

CPM RESTful API

API Version: 2.2.0

Table of Contents

1. Overview . . . 1
   1.1. API Endpoints . . . 1
   1.2. Authentication . . . 1
   1.3. Permissions . . . 2
   1.4. Timezone . . . 2
   1.5. Media Type . . . 2
   1.6. Versioning . . . 2
   1.7. Pagination . . . 3
   1.8. Filtering . . . 3
   1.9. Ordering . . . 4
   1.10. Errors . . . 4
2. Examples . . . 6
   2.1. Schedules APIs . . . 6
   2.2. Logs APIs . . . 9
   2.3. Reports APIs . . . 10
   2.4. Python Script . . . 10
3. Cloud Provider APIs . . . 15
   3.1. General APIs . . . 15
   3.2. APIs for Amazon Web Services . . . 15
   3.3. APIs for Microsoft Azure . . . 16
4. Version History . . . 17
   4.1. Version 2.2.0 . . . 17
   4.2. Version 2.1.0 . . . 20
   4.3. Version 2.0.0 . . . 24
   4.4. Version 1.7.0 . . . 28
   4.5. Version 1.6.0 . . . 28
   4.6. Version 1.5.0 . . . 29
   4.7. Version 1.4.0 . . . 30
   4.8. Version 1.3.0 . . . 34
   4.9. Version 1.2.0 . . . 36
   4.10. Version 1.1.0 . . . 37
   4.11. Version 1.0.0 . . . 40
5. AWS Accounts . . . 44
   5.1. List N2WS accounts . . . 45
   5.2. Create a N2WS backup account . . . 48
   5.3. List N2WS backup accounts . . . 53

5.4. List all Clones of a Network Item for a specific account. . . . 56
5.5. Retrieve the details of a log of a Network Item's Clone operation. . . . 58
5.6. Download logs for the selected Network Item clone. . . . 60
5.7. Retrieve a N2WS backup account . . . 62
5.8. Update a N2WS backup account . . . 65
5.9. Delete a N2WS backup account . . . 69
5.10. Check AWS permissions for selected backup account . . . 70
5.11. Download a CSV file containing the checking of AWS permissions for selected backup account . . . 72
5.12. Run clone TGW for selected backup account . . . 73
5.13. Run clone VPC for selected backup account . . . 76
5.14. Download logs for the last VPC clone. . . . 79
5.15. Delete all snapshots of a N2WS backup account . . . 81
5.16. Create a N2WS DR account . . . 82
5.17. List N2WS DR accounts . . . 86
5.18. Retrieve a N2WS DR account . . . 89
5.19. Update a N2WS DR account . . . 92
5.20. Delete a N2WS DR account . . . 96
5.21. Check AWS permissions for selected DR account . . . 97
5.22. Download a CSV file containing the checking of AWS permissions for selected DR account . . . 99
5.23. Download a CSV format report containing results of the Secured DR Account check for a DR account . . . 100
5.24. Retrieve a N2WS DR account's vault data . . . 101
5.25. Update vault data of a N2WS DR account . . . 103
5.26. Delete all snapshots of a N2WS DR account . . . 106
5.27. Retrieve a N2WS account . . . 107
5.28. Delete a N2WS account . . . 110
5.29. Delete all snapshots of a N2WS account . . . 111
6. AWS Backups . . . 112
6.1. List N2WS backup records . . . 113
6.2. Abort an on going backup copy to S3 . . . 119
6.3. List the script logs of the selected backup record . . . 120
6.4. Retrieve a script log of a backup record . . . 122
6.5. List backup snapshots . . . 124
6.6. Delete all snapshots of a backup record . . . 126
6.7. List the S3 copies of a backup record . . . 127
6.8. Retrieve a S3 copy of a backup record . . . 131
6.9. List the DocumentDB cluster snapshots of a backup record . . . 134
6.10. Retrieve a DocumentDB cluster snapshot of a backup record . . . 138
6.11. Delete a DocumentDB cluster snapshot of a backup record . . . 141

6.12. Recover DocumentDB cluster from backup . . . 142
6.13. List the DR DocumentDB cluster snapshots of a backup record . . . 148
6.14. Retrieve a DR DocumentDB cluster snapshot of a backup record . . . 152
6.15. Delete a DR DocumentDB cluster snapshot of a backup record . . . 155
6.16. Recover DR DocumentDB cluster from backup . . . 156
6.17. List Elastic File System (EFS) DR backups of a backup record . . . 162
6.18. Retrieve an Elastic File System (EFS) DR backup of a backup record . . . 166
6.19. Delete an Elastic File System (EFS) DR backup of a backup record . . . 169
6.20. Recover Elastic File System (EFS) from DR backup . . . 170
6.21. List FSx File System DR backups of a backup record . . . 175
6.22. Retrieve an FSx File System DR backup of a backup record . . . 179
6.23. Delete an FSx File System DR backup of a backup record . . . 183
6.24. Recover FSx File System from DR backup . . . 184
6.25. List the DR `Initial AMI` snapshots of a given backup record . . . 191
6.26. Retrieve a DR `Initial AMI` snapshot of a given backup record . . . 193
6.27. Delete the `Initial AMI` snapshot of a backup record . . . 195
6.28. List the DR RDS cluster snapshots of a backup record . . . 196
6.29. Retrieve a DR RDS cluster snapshot of a backup record . . . 200
6.30. Delete a DR RDS cluster snapshot of a backup record . . . 204
6.31. Recover DR RDS cluster from backup . . . 205
6.32. List the DR RDS snapshots of a backup record . . . 212
6.33. Retrieve a DR RDS snapshot of a backup record . . . 216
6.34. Delete a DR RDS snapshot of backup record . . . 219
6.35. Recover DR RDS databases from backup . . . 220
6.36. List the DR Redshift cluster snapshots of a backup record . . . 226
6.37. Retrieve a DR Redshift cluster snapshot of a backup record . . . 230
6.38. Delete a DR Redshift cluster snapshot of a backup record . . . 233
6.39. Recover DR Redshift cluster from backup . . . 234
6.40. List the DR volume snapshots of a backup record . . . 239
6.41. Retrieve a DR volume snapshot of a backup record . . . 243
6.42. Delete a DR volume snapshot of a backup record . . . 246
6.43. Recover DR volume from backup . . . 247
6.44. List the DynamoDB table snapshots of a backup record . . . 252
6.45. Retrieve a DynamoDB table snapshot of a backup record . . . 255
6.46. Delete a DynamoDB table snapshot of a backup record . . . 258
6.47. Recover DynamoDB table from backup . . . 259
6.48. List Elastic File System (EFS) backups of a backup record . . . 264
6.49. Retrieve an Elastic File System (EFS) backup of a backup record . . . 268

6.50. Delete an Elastic File System (EFS) backup of a backup record . . . 271
6.51. Recover Elastic File System (EFS) from backup . . . 272
6.52. List File System (FSx) volume backups of a backup record . . . 277
6.53. Retrieve an File System (FSx) volume backup of a backup record . . . 281
6.54. Delete an File System (FSx) volume backup of a backup record . . . 284
6.55. Recover File System (FSx) volume from backup . . . 285
6.56. List File System (FSx) backups of a backup record . . . 290
6.57. Retrieve an File System (FSx) backup of a backup record . . . 295
6.58. Delete an File System (FSx) backup of a backup record . . . 299
6.59. Recover File System (Windows or Lustre) (FSx) from backup . . . 300
6.60. List the `Initial AMI` snapshots of a given backup record . . . 307
6.61. Retrieve the `Initial AMI` snapshots of a given backup record . . . 309
6.62. Delete the `Initial AMI` snapshots of a given backup record . . . 311
6.63. List all instances of a backup record . . . 312
6.64. Retrieve an instance of a backup record . . . 315
6.65. Return AMI of instance of a backup record . . . 318
6.66. List AWS additional nics for instance . . . 320
6.67. Return similar AMI of instance of a backup record . . . 322
6.68. Recover instance from backup . . . 324
6.69. Recover instance from S3 . . . 333
6.70. Recover Sap Hana DB from backup . . . 344
6.71. Recover Sap Hana DB from backup . . . 349
6.72. List the `AMIs Only` snapshots of a backup record . . . 354
6.73. Retrieve an `AMIs Only` snapshot of a backup record . . . 356
6.74. Delete an `AMIs Only` snapshot of a backup record . . . 358
6.75. List the DR `AMIs Only` snapshots of a backup record . . . 359
6.76. Retrieve an DR `AMIs Only` snapshot of a backup record . . . 361
6.77. Delete a DR `AMIs Only` snapshot of a backup record . . . 363
6.78. List the RDS cluster snapshots of a backup record . . . 364
6.79. Retrieve a RDS cluster snapshot of a backup record . . . 368
6.80. Delete a RDS cluster snapshot of a backup record . . . 372
6.81. Recover RDS cluster from backup . . . 373
6.82. List the RDS snapshots of a backup record . . . 380
6.83. Retrieve a RDS snapshot of a backup record . . . 384
6.84. Delete a RDS snapshot of a backup record . . . 387
6.85. Recover RDS databases from backup . . . 388
6.86. List the Redshift cluster snapshots of a backup record . . . 394
6.87. Retrieve a Redshift cluster snapshot of a backup record . . . 398

6.88. Delete a Redshift cluster snapshot of a backup record . . . 401
6.89. Recover Redshift cluster from backup . . . 402
6.90. List the S3 RDS snapshots of a backup record . . . 407
6.91. Retrieve a S3 RDS snapshots of a backup record . . . 411
6.92. Recover RDS database from a snapshot stored in S3 . . . 415
6.93. List the Sap Hana DB snapshots of a backup record . . . 422
6.94. Retrieve a Sap Hana DB snapshot of a backup record . . . 425
6.95. Delete a Sap Hana DB snapshot of a backup record . . . 428
6.96. List the volume snapshots of a backup record . . . 429
6.97. Retrieve a volume snapshot of a backup record . . . 433
6.98. Delete a volume snapshot of a backup record . . . 436
6.99. Recover volume from backup . . . 437
6.100. Recover s3 volume from backup . . . 442
6.101. Move a backup record to the freezer . . . 449
6.102. Retrieve a N2WS backup record . . . 452
6.103. Update a N2WS freezer backup record . . . 456
6.104. Delete a N2WS freezer backup record . . . 460
6.105. List the selected logs - backup record . . . 461
7. AWS Captured Tgws . . . 463
7.1. List captured Transit Gateways . . . 464
8. AWS Captured Vpcs . . . 466
8.1. List captured VPCs . . . 467
8.2. List the selected logs - last captured vpc . . . 469
8.3. Retrieve a captured VPC . . . 470
8.4. Download a VPC’s CloudFormation template . . . 472
8.5. Download a Transit Gateway’s CloudFormation template . . . 473
8.6. Download a VPC’s CloudFormation template . . . 474
9. AWS Cost Explorer . . . 475
9.1. List blended costs for storage of backup target snapshots in the given time frame for several policies . . . 476
9.2. Test cost explorer for storage of backup target snapshots for last week . . . 478
9.3. Retrieve policy’s blended costs for storage of backup target snapshots in the given time frame . . . 480
9.4. Refresh cached predicted hourly cost of all resource control groups . . . 482
9.5. List cached monthly savings predictions per resource control group . . . 483
9.6. Retrieve a cached monthly savings prediction for a resource control group . . . 485
9.7. Refresh cached predicted hourly cost of a resource control group . . . 487
10. AWS Explore Sessions . . . 488
10.1. Create an explore session . . . 489
10.2. List explore sessions . . . 492

10.3. Expire all running explore sessions . . . 495
10.4. Retrieve the maximum available generations for explore session . . . 496
10.5. Prepare list of files and folders to be downloaded . . . 498
10.6. Archive and download list of files and folders as a zip file . . . 500
10.7. List file system entries via POST request . . . 502
10.8. List file system entries via GET request . . . 505
10.9. Reset the backup explore session timeout countdown . . . 508
10.10. Retrieve an explore session . . . 509
10.11. Expire an explore session . . . 511
11. AWS Network Configuration Captures . . . 512
11.1. List all Captures of the Network Configurations. . . . 513
11.2. Retrieve the details of a log of a Capture Network Configurations operation. . . . 515
11.3. Download logs for the selected Capture Network Configurations operation. . . . 517
12. AWS Policies . . . 519
12.1. Create a N2WS policy . . . 520
12.2. List N2WS policies . . . 524
12.3. Retrieve a N2WS policy . . . 528
12.4. Update a N2WS policy . . . 531
12.5. Delete a N2WS policy . . . 535
12.6. Create a N2WS policy backup ASAP . . . 536
12.7. Show 'Copy to S3 repository' options of a N2WS policy . . . 538
12.8. Update 'Copy to S3 repository' options of a N2WS policy . . . 542
12.9. Retrieve DR options of a N2WS policy . . . 548
12.10. Update DR options of a N2WS policy . . . 550
12.11. Invoke a N2WS Importer policy . . . 553
12.12. Invoke a N2WS Importer policy Dry Run . . . 557
12.13. List the selected logs - policy import . . . 558
12.14. Retrieve an Import Parameters definition. . . . 560
12.15. Update a N2WS Import Parameters definition . . . 562
12.16. Retrieve options of a N2WS policy . . . 564
12.17. Update options of a N2WS policy . . . 566
12.18. Pause an Import operation of a N2WS Importer policy . . . 569
12.19. Delete all snapshots of a N2WS policy . . . 573
12.20. Delete all native snapshots of a N2WS policy . . . 574
12.21. Delete all native snapshots, S3 backup and Glacier archive copies of a N2WS policy . . . 575
12.22. Abort an on-going archive of backups in policy . . . 576
12.23. Abort an on going policy cleanup on S3 . . . 577
12.24. Create a Custom Tag . . . 578

12.25. List Custom Tags . . . 580
12.26. Retrieve a Custom Tag . . . 582
12.27. Delete a Custom Tag . . . 584
12.28. List a policy's future scheduled run times . . . 585
12.29. Abort any on-going s3 operation in policy . . . 587
12.30. List all the targets associated with a N2WS policy . . . 588
12.31. Add a DocumentDB cluster to a N2WS policy . . . 591
12.32. List the protected DocumentDB clusters of a N2WS policy . . . 593
12.33. Retrieve a protected DocumentDB cluster of a N2WS policy . . . 595
12.34. Delete a DocumentDB cluster from a N2WS policy . . . 597
12.35. Add a DynamoDB table to a N2WS policy . . . 598
12.36. List the protected DynamoDB tables of a N2WS policy . . . 600
12.37. Retrieve a DynamoDB table of a N2WS policy . . . 602
12.38. Delete a DynamoDB table from a N2WS policy . . . 604
12.39. Add an Elastic File System (EFS) to a N2WS policy . . . 605
12.40. List the protected Elastic File Systems (EFS) of a N2WS policy . . . 609
12.41. Retrieve a protected Elastic File System (EFS) of a N2WS policy . . . 612
12.42. Update an Elastic File System (EFS) of a N2WS policy . . . 615
12.43. Delete an Elastic File System (EFS) from a N2WS policy . . . 619
12.44. Add a File System (FSx) to a N2WS policy . . . 620
12.45. List the protected File Systems (FSx) of a N2WS policy . . . 624
12.46. Add an FSX volume to a N2WS policy . . . 627
12.47. List the protected FSX volumes of a N2WS policy . . . 629
12.48. Retrieve a protected FSX volume of a N2WS policy . . . 631
12.49. Delete an FSX volume from a N2WS policy . . . 633
12.50. Retrieve a protected File System (FSx) of a N2WS policy . . . 634
12.51. Update a File System (FSx) of a N2WS policy . . . 637
12.52. Delete an File System (FSx) from a N2WS policy . . . 641
12.53. Add an EC2 instance to a N2WS policy . . . 642
12.54. List the protected EC2 instances of a N2WS policy . . . 647
12.55. Retrieve a protected EC2 instance of a N2WS policy . . . 650
12.56. Update an EC2 instance of a N2WS policy . . . 653
12.57. Delete an EC2 instance from a N2WS policy . . . 658
12.58. Add a SAP HANA DB to a N2WS policy . . . 659
12.59. List the protected SAP HANA DBs of a N2WS policy . . . 661
12.60. Retrieve a protected SAP HANA DB of a N2WS policy . . . 663
12.61. Update a SAP HANA DB of a N2WS policy . . . 665
12.62. Delete a SAP HANA DB from a N2WS policy . . . 667

12.63. Add an EC2 volume to a N2WS policy instance . . . 668
12.64. List the protected EC2 volumes of a N2WS policy instance . . . 671
12.65. Retrieve a protected EC2 volume of a N2WS policy instance . . . 673
12.66. Delete an EC2 volume from a N2WS policy instance . . . 675
12.67. Add a RDS cluster to a N2WS policy . . . 676
12.68. List the protected RDS clusters of a N2WS policy . . . 678
12.69. Retrieve a protected RDS cluster of a N2WS policy . . . 680
12.70. Delete a RDS cluster from a N2WS policy . . . 682
12.71. Add a RDS database to a N2WS policy . . . 683
12.72. List the protected RDS databases of a N2WS policy . . . 687
12.73. Retrieve a protected RDS database of a N2WS policy . . . 690
12.74. Update an RDS Database of a N2WS policy . . . 693
12.75. Delete a RDS database from a N2WS policy . . . 697
12.76. Add a Redshift cluster to a N2WS policy . . . 698
12.77. List the protected Redshift clusters of a N2WS policy . . . 700
12.78. Retrieve a protected Redshift cluster of a N2WS policy . . . 702
12.79. Delete a Redshift cluster from a N2WS policy . . . 704
12.80. Add a S3 Sync target to N2WS policy . . . 705
12.81. List S3 sync targets of N2WS policy . . . 708
12.82. Retrieve a S3 Sync target of a N2WS policy . . . 710
12.83. Update a S3 Sync target to N2WS policy . . . 712
12.84. Delete a S3 Sync target from N2WS policy . . . 715
12.85. Add an EC2 volume to a N2WS policy . . . 716
12.86. List the protected EC2 volumes of a N2WS policy . . . 719
12.87. Retrieve a protected EC2 volume of a N2WS policy . . . 721
12.88. Delete an EC2 volume from a N2WS policy . . . 723
13. AWS Prohibited Permissions . . . 724
13.1. List initial Prohibited Permissions of Users and Roles of DR Accounts. . . . 725
14. AWS Recoveries . . . 726
14.1. List N2WS recovery records . . . 727
14.2. Retrieve a N2WS recovery record . . . 732
14.3. Delete a N2WS recovery record . . . 736
14.4. List the selected logs - recovery record . . . 737
14.5. Abort an on going recovery from S3 . . . 739
15. AWS Recovery Scenarios . . . 740
15.1. Create a N2WS recovery scenario . . . 741
15.2. List N2WS recovery scenarios . . . 744
15.3. List N2WS recovery scenario records . . . 747

15.4. Retrieve a N2WS recovery scenario record . . . 750
15.5. Delete a N2WS recovery scenario record . . . 752
15.6. List of recovery scenario record logs. . . . 753
15.7. Retrieve a N2WS recovery scenario . . . 755
15.8. Update a N2WS recovery scenario . . . 757
15.9. Delete a N2WS recovery scenario . . . 760
15.10. Run a N2WS recovery scenario . . . 761
15.11. Create a N2WS recovery scenario target . . . 763
15.12. List N2WS recovery scenario targets . . . 766
15.13. Retrieve a N2WS recovery scenario target . . . 769
15.14. Update a N2WS recovery scenario target . . . 771
15.15. Delete a N2WS recovery scenario target . . . 774
16. AWS Regions . . . 775
16.1. List enabled DR target regions . . . 776
17. AWS Resource Control . . . 778
17.1. Create a N2WS resource control group . . . 779
17.2. List N2WS resource control groups . . . 782
17.3. Create a N2WS resource control group schedule . . . 785
17.4. List N2WS resource control group schedules . . . 788
17.5. Retrieve a N2WS resource control group schedule . . . 791
17.6. Delete a N2WS resource control group schedule . . . 793
17.7. List all the targets associated with a N2WS resource control group . . . 794
17.8. Add an EC2 instance to a N2WS resource control group . . . 796
17.9. List the EC2 instances of a resource control group . . . 798
17.10. Retrieve an EC2 instance of a N2WS resource control group . . . 800
17.11. Delete an EC2 instance from a N2WS resource control group . . . 802
17.12. Add an RDS database to a N2WS resource control group . . . 803
17.13. List the RDS databases of a resource control group . . . 806
17.14. Retrieve an RDS database of a N2WS resource control group . . . 808
17.15. Delete an RDS database from a N2WS resource control group . . . 810
17.16. Retrieve a N2WS resource control group . . . 811
17.17. Update a N2WS resource control group . . . 813
17.18. Delete a N2WS resource control group . . . 816
17.19. Execute a N2WS resource control group ASAP . . . 817
17.20. Stop execute a N2WS resource control group ASAP . . . 818
17.21. List N2WS resource control records . . . 819
17.22. Retrieve a N2WS resource control record . . . 822
17.23. Delete a N2WS resource control record . . . 824

17.24. List the selected logs - resource control records . . . 825
18. AWS Resource Types . . . 827
18.1. List target resource types . . . 828
19. AWS S3 Repositories . . . 830
19.1. Create a S3 repository . . . 831
19.2. List S3 repositories . . . 834
19.3. Retrieve a S3 repository . . . 836
19.4. Update a S3 repository . . . 838
19.5. Delete a S3 repository . . . 840
19.6. Delete a S3 repository, even if deleting the actual data from the repository is not possible. . . . 841
20. AWS Settings . . . 842
20.1. Change N2WS capture VPC settings . . . 843
20.2. Retrieve N2WS capture VPC settings . . . 845
20.3. List the selected logs - capture vpc record . . . 847
20.4. Run the capture VPC operation . . . 848
20.5. Change N2WS cost explorer settings . . . 849
20.6. Retrieve the N2WS cost explorer settings . . . 851
20.7. Change N2WS file level recovery settings . . . 852
20.8. Get N2WS file level recovery settings . . . 854
20.9. Change N2WS Secured DR Account check settings . . . 856
20.10. Retrieve N2WS Secured DR Account check settings . . . 858
20.11. List the selected logs - dr vault check record . . . 860
20.12. Run the Secured DR Account check operation . . . 861
20.13. Change N2WS watermark settings . . . 862
20.14. Retrieve the N2WS watermark settings . . . 864
21. AWS System . . . 865
21.1. List volumes occupied percent. . . . 866
22. AWS Worker Tags . . . 869
22.1. Create a worker tag . . . 870
22.2. List worker tags . . . 872
22.3. Retrieve a worker tag . . . 874
22.4. Update a worker tag . . . 876
22.5. Delete a worker tag . . . 878
23. AWS Workers . . . 879
23.1. Create a worker configuration . . . 880
23.2. List worker configurations . . . 883
23.3. Start a worker configuration test session . . . 886
23.4. List worker configuration test sessions . . . 889

23.5. Retrieve a worker configuration test session . . . 892
23.6. List workers test session logs . . . 895
23.7. Retrieve a worker configuration . . . 897
23.8. Update worker configuration . . . 899
23.9. Delete a worker configuration . . . 902
24. Agents . . . 903
24.1. List N2WS agents . . . 904
24.2. Configure multiple agents . . . 906
25. Alerts . . . 908
25.1. Get N2WS alerts list . . . 909
25.2. Delete all N2WS alerts . . . 911
25.3. Retrieve a N2WS alert . . . 912
25.4. Delete a N2WS alert . . . 914
26. Aws . . . 915
26.1. List AWS clouds . . . 916
27. Azure Accounts . . . 917
27.1. Create a N2WS Azure account . . . 918
27.2. List N2WS Azure accounts . . . 921
27.3. Retrieve a N2WS Azure account . . . 923
27.4. Update a N2WS Azure account . . . 925
27.5. Delete a N2WS Azure account . . . 928
27.6. Check Azure permissions for selected backup account . . . 929
27.7. Download a CSV file containing the checking of Azure permissions for selected account . . . 931
27.8. Delete all snapshots of a N2WS account . . . 932
28. Azure Backups . . . 933
28.1. List N2WS Azure backup records . . . 934
28.2. List backup snapshots . . . 937
28.3. Delete all snapshots of a backup record . . . 939
28.4. List the disk snapshots of a backup record . . . 940
28.5. Retrieve a disk snapshot of a backup record . . . 944
28.6. Delete a disk snapshot of a backup record . . . 947
28.7. Recover disk from backup . . . 948
28.8. List the DR disk snapshots of a backup record . . . 951
28.9. Retrieve a DR disk snapshot of a backup record . . . 955
28.10. Delete a DR disk snapshot of a backup record . . . 959
28.11. Recover DR disk from backup . . . 960
28.12. List all SQL databases of a backup record . . . 963
28.13. Retrieve an SQL database of a backup record . . . 966

28.14. Delete an SQL database snapshot of a backup record . . . 969
28.15. Recover SQL database from backup . . . 970
28.16. List all SQL servers of a backup record . . . 974
28.17. Retrieve an SQL server of a backup record . . . 977
28.18. Recover SQL server from backup . . . 980
28.19. List all virtual machines of a backup record . . . 986
28.20. Retrieve an virtual machine of a backup record . . . 989
28.21. Recover virtual machine from backup . . . 991
28.22. Move a backup record to the freezer . . . 995
28.23. Retrieve a N2WS Azure backup record . . . 997
28.24. Update a N2WS Azure freezer backup record . . . 999
28.25. Delete an Azure N2WS freezer Azure backup record . . . 1002
28.26. List the selected logs - azure backup record . . . 1003
29. Azure Cost Explorer . . . 1005
29.1. List blended costs for storage of backup target snapshots in the given time frame for several policies . . . 1006
29.2. Test cost explorer for storage of backup target snapshots for last week . . . 1009
29.3. Retrieve policy’s blended costs for storage of backup target snapshots in the given time frame . . . 1011
30. Azure Explore Sessions . . . 1013
30.1. Create an explore session . . . 1014
30.2. List explore sessions . . . 1017
30.3. Expire all running explore sessions . . . 1020
30.4. Retrieve the maximum available generations for explore session . . . 1021
30.5. Prepare list of files and folders to be downloaded . . . 1023
30.6. Archive and download list of files and folders as a zip file . . . 1025
30.7. List file system entries via POST request . . . 1027
30.8. List file system entries via GET request . . . 1030
30.9. Reset the backup explore session timeout countdown . . . 1033
30.10. Retrieve an explore session . . . 1034
30.11. Expire an explore session . . . 1036
31. Azure Policies . . . 1037
31.1. Create an Azure Policy . . . 1038
31.2. List Azure Policies . . . 1041
31.3. Retrieve an Azure Policy . . . 1044
31.4. Update an Azure Policy . . . 1046
31.5. Delete an Azure Policy . . . 1049
31.6. Create a N2WS policy backup ASAP . . . 1050
31.7. Show 'Copy to Storage Account repository' options of a N2WS policy . . . 1052
31.8. Update 'Copy to Storage Account repository' options of a N2WS policy . . . 1054

31.9. Retrieve DR options of a N2WS policy . . . 1056
31.10. Update DR options of a N2WS policy . . . 1058
31.11. Retrieve options of a N2WS policy . . . 1060
31.12. Update options of a N2WS policy . . . 1062
31.13. Delete all snapshots of a N2WS policy . . . 1064
31.14. List a policy's future scheduled run times . . . 1065
31.15. List all the targets associated with a policy . . . 1067
31.16. Add a disk to a N2WS Azure policy . . . 1069
31.17. List the protected disks of a N2WS Azure policy . . . 1071
31.18. Retrieve a protected disk of a N2WS Azure policy . . . 1073
31.19. Delete a disk from a N2WS Azure policy . . . 1075
31.20. Add a SQL server to a N2WS policy . . . 1076
31.21. List the protected SQL servers of a N2WS policy . . . 1079
31.22. Retrieve a protected SQL server of a N2WS policy . . . 1081
31.23. Update a SQL server of a N2WS policy . . . 1083
31.24. Delete a SQL server from a N2WS policy . . . 1086
31.25. Add a database selected for a SQL server backup target to a N2WS policy . . . 1087
31.26. List the databases selected for a SQL server backup target of a N2WS policy . . . 1089
31.27. Retrieve a database selected for a SQL server backup target of a N2WS policy . . . 1091
31.28. Delete a database selected for a SQL server backup target from a N2WS policy . . . 1093
31.29. Add a virtual machine to a N2WS policy . . . 1094
31.30. List the protected virtual machines of a N2WS policy . . . 1096
31.31. Retrieve a protected virtual machine of a N2WS policy . . . 1098
31.32. Update a virtual machine of a N2WS policy . . . 1100
31.33. Delete a virtual machine from a N2WS policy . . . 1102
31.34. Add a disk selected for a virtual machine backup target to a N2WS policy . . . 1103
31.35. List the disks selected for a virtual machine backup target of a N2WS policy . . . 1105
31.36. Retrieve a disk selected for a virtual machine backup target of a N2WS policy . . . 1107
31.37. Delete a disk selected for a virtual machine backup target from a N2WS policy . . . 1109
32. Azure Recoveries . . . 1110
32.1. List N2WS recovery records . . . 1111
32.2. Retrieve a N2WS recovery record . . . 1114
32.3. Delete a N2WS recovery record . . . 1117
32.4. List the selected logs - recovery record . . . 1118
33. Azure Recovery Scenarios . . . 1120
33.1. Create a N2WS recovery scenario . . . 1121
33.2. List N2WS recovery scenarios . . . 1124
33.3. List N2WS recovery scenario records . . . 1127

33.4. Retrieve a N2WS recovery scenario record . . . 1130
33.5. Delete a N2WS recovery scenario record . . . 1132
33.6. List of recovery scenario record logs. . . . 1133
33.7. Retrieve a N2WS recovery scenario . . . 1135
33.8. Update a N2WS recovery scenario . . . 1137
33.9. Delete a N2WS recovery scenario . . . 1140
33.10. Run a N2WS recovery scenario . . . 1141
33.11. Create a N2WS recovery scenario target . . . 1143
33.12. List N2WS recovery scenario targets . . . 1146
33.13. Retrieve a N2WS recovery scenario target . . . 1149
33.14. Update a N2WS recovery scenario target . . . 1151
33.15. Delete a N2WS recovery scenario target . . . 1154
34. Azure Reports . . . 1155
34.1. Azure Backup report . . . 1156
34.2. Azure protected resources report . . . 1159
34.3. Snapshots report . . . 1161
34.4. Summary report . . . 1164
34.5. Account usage report . . . 1167
34.6. Anonymized account usage report . . . 1169
34.7. User/Account detailed usage reports . . . 1171
34.8. User/Account detailed anonymous usage reports . . . 1174
34.9. User/Account summary usage reports . . . 1177
34.10. User/Account anonymous summary usage reports . . . 1179
35. Azure Resource Types . . . 1181
35.1. List target resource types . . . 1182
36. Azure Storage Account Repositories . . . 1184
36.1. Create a Storage Account . . . 1185
36.2. List Storage Account Repositories . . . 1188
36.3. Retrieve a Storage Account . . . 1191
36.4. Update a Storage Account . . . 1193
36.5. Delete a Storage Account . . . 1196
36.6. Delete a Storage Account, even if deleting the actual data from the storage account repository is not possible. . . . 1197
37. Azure Worker Tags . . . 1198
37.1. Create a worker tag . . . 1199
37.2. List worker tags . . . 1201
37.3. Retrieve a worker tag . . . 1203
37.4. Update a worker tag . . . 1205

37.5. Delete a worker tag . . . 1207
38. Azure Workers . . . 1208
38.1. Create a worker configuration . . . 1209
38.2. List worker configurations . . . 1212
38.3. Start a worker configuration test session . . . 1215
38.4. List worker configuration test sessions . . . 1218
38.5. Retrieve a worker configuration test session . . . 1220
38.6. List workers test session logs . . . 1222
38.7. Retrieve a worker configuration . . . 1224
38.8. Update worker configuration . . . 1226
38.9. Delete a worker configuration . . . 1229
39. Cluster . . . 1230
39.1. List N2WS cluster nodes . . . 1231
39.2. List N2WS cluster tasks . . . 1233
40. Delegates . . . 1236
40.1. Create a N2WS delegate user . . . 1237
40.2. List N2WS delegate users . . . 1240
40.3. Retrieve a N2WS delegate user . . . 1243
40.4. Update a N2WS delegate user . . . 1245
40.5. Delete a N2WS delegate user . . . 1248
40.6. Reset a N2WS delegate user password . . . 1249
41. Freezer . . . 1251
41.1. List N2WS freezer records . . . 1252
42. Reports . . . 1255
42.1. Audit report . . . 1256
42.2. Backup report . . . 1259
42.3. Protected resources report . . . 1263
42.4. Protected RDS database configurations report . . . 1265
42.5. Resource Control operations report . . . 1267
42.6. Snapshots report . . . 1270
42.7. Summary report . . . 1273
42.8. Account usage report . . . 1276
42.9. Anonymized account usage report . . . 1279
42.10. User/Account detailed usage reports . . . 1281
42.11. User/Account detailed anonymous usage reports . . . 1284
42.12. User/Account summary usage reports . . . 1287
42.13. User/Account anonymous summary usage reports . . . 1290
42.14. Account volume usage report . . . 1293

43. Scheduled Reports . . . 1296
43.1. Create a scheduled report . . . 1297
43.2. List scheduled reports . . . 1303
43.3. Retrieve a scheduled report . . . 1307
43.4. Update a scheduled report . . . 1311
43.5. Delete a scheduled report . . . 1316
43.6. Run a scheduled report immediately . . . 1317
44. Schedules . . . 1318
44.1. Create a N2WS schedule . . . 1319
44.2. List N2WS schedules . . . 1324
44.3. Retrieve a N2WS schedule . . . 1328
44.4. Update a N2WS schedule . . . 1331
44.5. Delete a N2WS schedule . . . 1336
44.6. Add a disable time to a schedule . . . 1337
44.7. List the disable times of a schedule . . . 1339
44.8. Retrieve a disable time of a schedule . . . 1341
44.9. Delete a disable time from a schedule . . . 1343
44.10. List a schedule's future run times . . . 1344
45. Settings . . . 1346
45.1. Change N2WS activation key . . . 1347
45.2. Change N2WS cleanup settings . . . 1348
45.3. Retrieve N2WS cleanup settings . . . 1350
45.4. List cleanup logs . . . 1352
45.5. Run the cleanup operation . . . 1353
45.6. List S3 cleanup logs . . . 1354
45.7. Download N2WS's certificate . . . 1355
45.8. Update N2WS log mode settings . . . 1356
45.9. Retrieve N2WS log mode settings . . . 1358
45.10. Download N2WS's metadata . . . 1360
45.11. Create N2WS email identity settings . . . 1361
45.12. Retrieve the N2WS email identity settings . . . 1365
45.13. Send email verification request for N2WS email identity . . . 1367
45.14. Retrieve this email verification request status . . . 1368
45.15. Create N2WS identifier settings . . . 1369
45.16. Retrieve the N2WS identifier settings . . . 1371
45.17. Update N2WS identifier settings . . . 1372
45.18. Change N2WS identity provider settings . . . 1374
45.19. Retrieve the N2WS identity provider settings . . . 1377

45.20. Retrieve the N2WS IP and DNS addresses . . . 1379
45.21. List the settings for the N2WS identity provider's groups . . . 1380
45.22. Create a N2WS identity provider's group settings . . . 1383
45.23. List the settings for the N2WS identity provider's groups . . . 1385
45.24. Retrieve the settings for the N2WS identity provider's groups. . . . 1387
45.25. Update a N2WS identity provider's group settings . . . 1389
45.26. Delete a N2WS identity provider's group settings . . . 1391
45.27. Create a N2WS identity provider's group settings . . . 1392
45.28. List the settings for the N2WS identity provider's groups . . . 1396
45.29. Retrieve the settings for the N2WS identity provider's groups. . . . 1399
45.30. Update a N2WS identity provider's group settings . . . 1402
45.31. Delete a N2WS identity provider's group settings . . . 1406
45.32. Test the N2WS active directory connection . . . 1407
45.33. Create N2WS notifications settings . . . 1409
45.34. Get N2WS notifications settings . . . 1415
45.35. Retrieve a N2WS notifications settings . . . 1418
45.36. Change N2WS notifications settings . . . 1421
45.37. Test daily summary settings . . . 1427
45.38. Create N2WS password settings . . . 1428
45.39. Retrieve the N2WS password settings . . . 1431
45.40. Update N2WS password settings . . . 1433
45.41. Create N2WS password rules settings . . . 1436
45.42. Retrieve the N2WS password rules settings . . . 1439
45.43. Update N2WS password rules settings . . . 1441
45.44. Change N2WS proxy settings . . . 1444
45.45. Retrieve the N2WS proxy settings . . . 1446
45.46. Test the N2WS proxy settings connection . . . 1448
45.47. Create N2WS security settings . . . 1450
45.48. Retrieve the N2WS security settings . . . 1452
45.49. Change the N2WS tag scan settings . . . 1454
45.50. Retrieve the N2WS tag scan settings . . . 1456
45.51. List the selected logs - tag scan record . . . 1458
45.52. Run the tag scan operation . . . 1459
45.53. Upload a new upgrade N2WS patch . . . 1460
45.54. Retrieve a list of N2WS upgrade pathces . . . 1461
45.55. Create a resource . . . 1463
45.56. Retrieve a N2WS user default settings . . . 1465
45.57. Update N2WS user default settings . . . 1466

46. System . . . 1468
46.1. Information about recent backup activity of N2WS . . . 1469
46.2. Information about the protection provided N2WS. . . . 1471
46.3. Download a zipped file containing the N2WS server log . . . 1474
46.4. List N2WS long-running async tasks . . . 1476
46.5. Retrieve a N2WS long-running async task . . . 1478
46.6. Return N2WS supported time zones . . . 1480
46.7. Version information . . . 1481
47. Token . . . 1482
47.1. Generate `Access` & `Refresh` tokens . . . 1483
47.2. Refresh an `Access` token . . . 1485
48. Users . . . 1487
48.1. Create a N2WS user . . . 1488
48.2. List N2WS users . . . 1493
48.3. Change a N2WS user password . . . 1497
48.4. Retrieve a N2WS user . . . 1499
48.5. Update a N2WS user . . . 1502
48.6. Delete a N2WS user . . . 1507
48.7. Reset a N2WS user password . . . 1508

Chapter 1. Overview

This guide describes how to use the **CPM RESTful API**.

The RESTful API is part of the CPM server and is only accessible via HTTPS (port 443 by default). For more information regarding the setup of the CPM server, refer to the *CPM User Guide*.



The RESTful API works with CPM version **2.3.0** and above.

1.1. API Endpoints

CPM RESTful APIs have a base URL to which the endpoint paths are appended.
CPM base URL is: `https://<CPM Host>/<api>/`.
For example, the `/api/users/` endpoint refers to `https://<CPM Host>/<api>/users/`.

1.2. Authentication

The API authentication scheme requires passing an access token on each request. Without the access token, the request will be denied with the `HTTP 401 Unauthorized` error response and appropriate `WWW-Authenticate` header.

Before the RESTful API can be used, enable API access for the CPM user via the CPM management console. The user must log on to the CPM server, go to the **Notifications** menu, and click **Configure API Authentication Key**. Use this Authentication key to obtain an `Access` token and a `Refresh` token, both of which will be used for future API calls.

The `Obtain Token` API call returns two separate tokens: an `Access` token and a `Refresh` token. Every RESTful call requires an `Access` token. Access tokens are valid for 1 hour by default. When an Access token expires, call the `Refresh Token` API with a valid `Refresh` token to generate a new `Access` token. Refresh tokens are valid for 24 hours by default.

Obtain Tokens:

```
POST /api/token/obtain/api_key/
api_key=<The API Authentication Key>
```

Refresh Access Token:

```
POST /api/token/refresh/
refresh=<The Refresh Token>
```

Sample API Request with the Access Token:

```
GET /api/policies/
Authorization: Bearer <Access Token>
```



Without a valid authentication token, the API call will result in an HTTP response status of `401 Unauthorized`.

1.3. Permissions

Every endpoint in the API has a permission setting associated with it. Even if a user passes authentication, he/she still has to have valid permissions to make the API request. The permissions associated with an API call are the permissions of the user who created the Authentication Key from which the tokens were generated.

Most permissions are based on the CPM license that was purchased and the roles the CPM user is configured with, such as being a delegate and allowed to perform backup/restore.



Every API in this document lists the permissions it requires. Without proper permissions, the API call will result in an HTTP response status of `403 Forbidden`.

1.4. Timezone

All timezone related fields at CPM RESTful APIs are relative to GMT.

1.5. Media Type

CPM RESTful API supports 2 types of media types in the `Accept` header `application/json` and `text/csv`. `application/json` is supported by all API requests while `text/csv` is also supported for reports and logs.

1.6. Versioning

In order to support backward compatibility, the API is versioned.
To add a version into the HTTP request, specify the version as part of the media type in the `Accept` header. The version is included as a media type parameter that supplements the main media type.

Sample Request:

```
GET /api/policies/
Accept: application/json; version=<API version>
```

The version parameter is optional. If not specified, the API defaults to the latest version. If an invalid version is specified, the API call will result in an HTTP response status of `406 Not Acceptable`.

1.7. Pagination

The API output response may, in many instances, include large result sets. Pagination allows the caller to split those large sets into individual pages of data with “Previous/Next” links.

Most `GET` requests support automatic pagination. By default, pagination is turned off. It can be turned on when the API call passes `?page=XX&page_size=XX` as part of the query parameters in the URL.

Sample Request:

```
GET /api/policies/?page=3&page_size=20
```

Sample Response:

```
HTTP/1.1 200 OK
```

```
{
"count": 100,
"next": "https://<CPM HOST>/api/policies/?page=4&page_size=20",
"previous": "https://<CPM HOST>/api/policies/?page=2&page_size=20",

"results": [
        {
            "id": "1"
        },
                ...
        {
            "id": "20"
        }
    ]
}
```

Endpoints documented with `page` and `page_size` as query parameters support pagination.

1.8. Filtering

Most `GET` requests support filtering the API response.
Filtering can be performed against supported fields for exact matching or by using the `search` parameter to search for terms within supported fields.

Sample Request - Filter by 'account':

```
GET /api/policies/?account=1
```

Sample Request - Filter using 'search':

```
GET /api/users/?search=James
```



Endpoints documented with any field name as a query parameter or the `search` query parameter support filtering.

1.9. Ordering

Most `GET` requests support ordering the API response by one or more fields.

- Ascending order can be specified by passing `ordering` as a query parameter along with a field name.
- Descending order can be specified by passing the `ordering` parameter and a field name prefixed with '-'.

Sample Request - Ascending Ordering by 'username':

```
GET /api/users/?ordering=username
```

Sample Request - Descending Ordering by 'username':

```
GET /api/users/?ordering=-username
```

Sample Request - Multiple Ordering by 'every_unit' (Ascending) & 'every_how_many' (Descending):

```
GET /api/schedules/?ordering=every_unit,-every_how_many
```



Endpoints documented with `ordering` as a query parameter support ordering.

1.10. Errors

In case an error occurred during an API request, an appropriate error `message` is returned with a `code` and an appropriate HTTP response status.

Sample Response - Field Validation Errors

```
{
    "errors": [
        {
            "name": [
                {
                    "message": "This field may not be blank.",
                    "code": "blank"
                }
            ],
            "description": [
                {
                    "message": "This field contains invalid characters.",
                    "code": "invalid"
                }
            ]
        }
    ]
}
```

Common HTTP Response Codes

- `400` - Bad Request
- `401` - Unauthorized
- `403` - Forbidden
- `404` - Not Found
- `406` - Not Acceptable
- `500` - Internal Server Error



Each endpoint is documented with its possible HTTP response codes.

Chapter 2. Examples

Below are sample cURL commands which use the following variables:

Variable	Description
$HOST	RESTful API server host.
$TOKEN	Access token for authentication.

2.1. Schedules APIs

Below are sample cURL commands to create a schedule, update it, show a list of schedules, and delete the created schedule.

2.1.1. Create a CPM Schedule

This sample shows how to create a weekly CPM schedule for the *root* user.

Sample Request:

```
curl -X POST https://$HOST/api/schedules/ \
  -H 'Accept: application/json;' \
  -H 'Authorization: Bearer $TOKEN' \
  -H 'Content-Type: application/json' \
  -d '{
    "name": "sample",
    "every_unit": "W",
    "every_how_many": 1,
    "user": 1
  }'
```

Sample Response:

```
{
    "id": 1,
    "name": "sample",
    "description": null,
    "user": 1,
    "every_unit": "W",
    "every_how_many": 1,
    "start_date": "2018-08-01T12:00:00.000000Z",
    "end_date": null,
    "last_modified": "2018-08-01T12:00:00.000000Z",
    "disable_times": []
}
```

2.1.2. Update a CPM Schedule

This sample shows how to update a CPM schedule with *id=1* to run once a month.

Sample Request:

```
curl -X PUT https://$HOST/api/schedules/1/ \
  -H 'Accept: application/json;' \
  -H 'Authorization: Bearer $TOKEN' \
  -H 'Content-Type: application/json' \
  -d '{
    "name": "sample",
    "every_unit": "O",
    "every_how_many": 1
  }'
```

Sample Response:

```
{
    "id": 1,
    "name": "sample",
    "description": null,
    "user": 1,
    "every_unit": "O",
    "every_how_many": 1,
    "start_date": "2018-08-01T12:00:00.000000Z",
    "end_date": null,
    "last_modified": "2018-08-01T13:00:00.000000Z",
    "disable_times": []
}
```

2.1.3. List CPM Schedules

This sample shows how to get a list of all CPM schedules ordered by the scheduling frequency.

Sample Request:

```
curl -X GET 'https://$HOST/api/schedules/?ordering=every_unit,every_how_many' \
  -H 'Accept: application/json;' \
  -H 'Authorization: Bearer $TOKEN'
```

Sample Response:

```
[
    {
        "id": 2,
```

```
        "name": "5minutes",
        "description": "",
        "user": 1,
        "every_unit": "M",
        "every_how_many": 5,
        "start_date": "2018-08-20T12:50:00Z",
        "end_date": null,
        "last_modified": "2018-08-20T11:50:35Z",
        "allow_on_sunday": true,
        "allow_on_monday": true,
        "allow_on_tuesday": true,
        "allow_on_wednesday": true,
        "allow_on_thursday": true,
        "allow_on_friday": true,
        "allow_on_saturday": true,
        "disable_times": []
    },
    {
        "id": 5,
        "name": "10hours",
        "description": "",
        "user": 1,
        "every_unit": "H",
        "every_how_many": 10,
        "start_date": "2018-08-20T13:11:00Z",
        "end_date": null,
        "last_modified": "2018-08-20T12:11:21Z",
        "allow_on_sunday": true,
        "allow_on_monday": true,
        "allow_on_tuesday": true,
        "allow_on_wednesday": true,
        "allow_on_thursday": true,
        "allow_on_friday": true,
        "allow_on_saturday": true,
        "disable_times": []
    },
    {
        "id": 4,
        "name": "7weeks",
        "description": "",
        "user": 1,
        "every_unit": "W",
        "every_how_many": 7,
        "start_date": "2018-08-20T12:50:00Z",
        "end_date": null,
        "last_modified": "2018-08-20T11:51:03Z",
        "disable_times": []
    },
```

```
    {
        "id": 1,
        "name": "1month",
        "description": "",
        "user": 1,
        "every_unit": "0",
        "every_how_many": 1,
        "start_date": "2018-08-20T14:43:56Z",
        "end_date": null,
        "last_modified": "2018-08-20T11:43:56Z",
        "disable_times": []
    },
    {
        "id": 3,
        "name": "2months",
        "description": "",
        "user": 1,
        "every_unit": "0",
        "every_how_many": 2,
        "start_date": "2018-08-20T12:50:00Z",
        "end_date": null,
        "last_modified": "2018-08-20T11:50:50Z",
        "disable_times": []
    }
]
```


2.1.4. Delete a CPM Schedule

This sample shows how to delete a CPM schedule with *id=1*.

Sample Request:

```
curl -X DELETE https://$HOST/api/schedules/1/ \
  -H 'Accept: application/json;' \
  -H 'Authorization: Bearer $TOKEN'
```

2.2. Logs APIs

2.2.1. Download Support Logs

This sample downloads support logs as *bz2* file into current working directory.

Sample Request:

```
curl -OJ -X GET https://$HOST/api/system/support_logs/ \
  -H 'Accept: application/json;' \
  -H 'Authorization: Bearer $TOKEN'
```

2.2.2. Download Cleanup Logs

This sample downloads cleanup logs as *CSV* file into current working directory.

Sample Request:

```
curl -OJ -X GET https://$HOST/api/settings/cleanup/logs/ \
  -H 'Accept: text/csv;' \
  -H 'Authorization: Bearer $TOKEN'
```

2.3. Reports APIs

2.3.1. Download Snapshots Report

This sample downloads snapshots report as *CSV* file into current working directory.

Sample Request:

```
curl -OJ -X GET \
  'https://$HOST/api/reports/snapshots/' \
  -H 'Accept: text/csv;' \
  -H 'Authorization: Bearer $TOKEN'
```

2.3.2. Download Backups Report

This sample downloads backups report with *backup_id=1* as *CSV* file into current working directory.

Sample Request:

```
curl -OJ -X GET \
  'https://$HOST/api/reports/backups/?backup_id=1' \
  -H 'Accept: text/csv;' \
  -H 'Authorization: Bearer $TOKEN'
```

2.4. Python Script

Below is a sample Python 2 script using the CPM RESTful API.

The script does the following:

- Obtains `Access Token` and `Refresh Token` by using `API Authentication Key`.
- Gets the list of CPM users using the `Access Token`.
- Creates a new `Access Token` using the `Refresh Token`.
- Gets the list of CPM users using the new `Access Token`.

```
import sys
import requests

VERIFY_SSL = True
URL_API = "https://{host}/api/"
URL_TOKEN_OBTAIN = URL_API + "token/obtain/api_key/"
URL_TOKEN_REFRESH = URL_API + "token/refresh/"
URL_API_USERS = URL_API + "users/"

HEADER_ACCEPT = "application/json; version=1.0"
HEADER_AUTHORIZATION = "Bearer {access_token}"


def post_obtain_token(host, api_key):
    """
    Obtain `Access Token` and `Refresh Token` by using `API Authentication Key`.

    :param host: The HOST of the RESTful API server.
    :param api_key: API authentication key generated in the CPM UI
    :return: Tuple of `Access Token` and `Refresh Token`.
    """
    url = URL_TOKEN_OBTAIN.format(host=host)
    headers = {'Accept': HEADER_ACCEPT}
    data = {'api_key': api_key}
    response = requests.post(url=url, headers=headers, data=data, verify=VERIFY_SSL)
    assert response.status_code == 200
    response_json = response.json()
    access_token = response_json['access']
    refresh_token = response_json['refresh']
    return access_token, refresh_token


def get_users(host, access_token):
    """
    Get list of CPM users.

    :param host: The HOST of the RESTful API server.
    :param access_token: The access token for the API.
    :return: List of dictionaries. Each dictionary represents a CPM user.
    """
    url = URL_API_USERS.format(host=host)
    authorization = HEADER_AUTHORIZATION.format(access_token=access_token)
    headers = {'Accept': HEADER_ACCEPT, 'Authorization': authorization}
    response = requests.get(url=url, headers=headers, verify=VERIFY_SSL)
    assert response.status_code == 200
    response_json = response.json()
    return response_json
```

```
def post_refresh_token(host, refresh_token):
    """
    Create a new `Access Token` using the `Refresh Token`.

    :param host: The HOST of the RESTful API server.
    :param refresh_token: A refresh token.
    :return: 'Access Token' with new expiration date.
    """
    url = URL_TOKEN_REFRESH.format(host=host)
    headers = {'Accept': HEADER_ACCEPT}
    data = {'refresh': refresh_token}
    response = requests.post(url=url, headers=headers, data=data, verify=VERIFY_SSL)
    assert response.status_code == 200
    response_json = response.json()
    access_token = response_json['access']
    return access_token


def run_demo(host, api_key):
    """
    Running a demo for accessing CPM RESTful API.

    * Obtain `Access Token` and `Refresh Token` by using `API Authentication Key`.
    * Get list of CPM users using the `Access Token`.
    * Create a new `Access Token` using the `Refresh Token`.
    * Get list of CPM users using the new `Access Token`.

    :param host: The HOST of the RESTful API server.
    :param api_key: API authentication key generated in the CPM UI
    :return: None
    """
    access_token, refresh_token = post_obtain_token(host=host, api_key=api_key)

    # Getting list of users with the first access token
    users1 = get_users(host=host, access_token=access_token)
    print users1

    access_token = post_refresh_token(host=host, refresh_token=refresh_token)

    # Getting list of users with the second access token
    users2 = get_users(host=host, access_token=access_token)
    print users2

    assert users1 == users2
```

```
if __name__ == '__main__':
    """
    :param sys.argv[1]: The HOST of the RESTful API server.
    :param sys.argv[2]: API authentication key generated in the CPM UI.
    """
    host = sys.argv[1]
    api_key = sys.argv[2]
    run_demo(host, api_key)
```

Chapter 3. Cloud Provider APIs

This chapter lists CPM Restful APIs per cloud provider.

3.1. General APIs

CPM Restful APIs which are needed to work with any cloud provider.

- Freezer
- System
- Schedules
- Alerts
- Reports
- Scheduled Reports
- Cluster
- Agents
- Delegates
- Settings
- Token
- Users

3.2. APIs for Amazon Web Services

CPM Restful APIs for working with AWS cloud.

- System
- Recoveries
- Workers
- Explore Sessions
- Backups
- Network Configuration Captures
- Cost Explorer
- Prohibited Permissions
- Settings
- Worker Tags
- Regions

- Captured Vpcs
- Policies
- Resource Control
- Accounts
- Captured Tgws
- S3 Repositories
- Recovery Scenarios
- Resource Types

3.3. APIs for Microsoft Azure

CPM Restful APIs for working with Azure cloud.

- Accounts
- Storage Account Repositories
- Recoveries
- Policies
- Workers
- Recovery Scenarios
- Resource Types
- Worker Tags
- Backups
- Explore Sessions
- Cost Explorer
- Reports

Chapter 4. Version History

This chapter lists the version history of CPM Restful API.

API Version	Released in CPM Version
2.2.0	4.2.0
2.1.0	4.1.0
2.0.0	4.0.0
1.7.0	3.2.1
1.6.0	3.2.0
1.5.0	3.1.0
1.4.0	3.0.0
1.3.0	2.6.0
1.2.0	2.5.0
1.1.0	2.4.0
1.0.0	2.3.0

4.1. Version 2.2.0

4.1.1. New APIs

- GET /aws/backups/{backup_id}/snapshots/document_db_clusters/
- GET /aws/backups/{backup_id}/snapshots/document_db_clusters/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/document_db_clusters/{id}/
- POST /aws/backups/{backup_id}/snapshots/document_db_clusters/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/dr_document_db_clusters/
- GET /aws/backups/{backup_id}/snapshots/dr_document_db_clusters/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/dr_document_db_clusters/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_document_db_clusters/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/dr_fsx/
- GET /aws/backups/{backup_id}/snapshots/dr_fsx/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/dr_fsx/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_fsx/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/dr_redshift_clusters/
- GET /aws/backups/{backup_id}/snapshots/dr_redshift_clusters/{id}/

- DELETE /aws/backups/{backup_id}/snapshots/dr_redshift_clusters/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_redshift_clusters/{snapshot_record_id}/recover/
- GET /aws/policies/{policy_id}/targets/document_db_clusters/
- POST /aws/policies/{policy_id}/targets/document_db_clusters/
- GET /aws/policies/{policy_id}/targets/document_db_clusters/{id}/
- DELETE /aws/policies/{policy_id}/targets/document_db_clusters/{id}/
- GET /aws/system/volumes/occupied_percent/
- GET /aws/workers/{configuration_id}/test/
- GET /azure/cost_explorer/backup_costs/
- GET /azure/cost_explorer/backup_costs/test_root_cost_explorer/
- GET /azure/cost_explorer/backup_costs/{id}/
- GET /azure/explore_sessions/
- POST /azure/explore_sessions/
- DELETE /azure/explore_sessions/
- POST /azure/explore_sessions/max_generations/
- GET /azure/explore_sessions/{explore_session_id}/download/
- POST /azure/explore_sessions/{explore_session_id}/download/
- GET /azure/explore_sessions/{explore_session_id}/file_system_entries/
- POST /azure/explore_sessions/{explore_session_id}/file_system_entries/
- POST /azure/explore_sessions/{explore_session_id}/keep_alive/
- GET /azure/explore_sessions/{id}/
- DELETE /azure/explore_sessions/{id}/
- GET /azure/policies/{policy_id}/targets/
- GET /azure/storage_account_repositories/
- POST /azure/storage_account_repositories/
- GET /azure/storage_account_repositories/{id}/
- GET /azure/worker_tags/
- POST /azure/worker_tags/
- GET /azure/worker_tags/{id}/
- PUT /azure/worker_tags/{id}/
- DELETE /azure/worker_tags/{id}/
- GET /azure/workers/{configuration_id}/test/

- GET /cluster/nodes/
- GET /cluster/tasks/
- GET /reports/volume_usage/

4.1.2. Modified APIs

- GET /aws/accounts/
- GET /aws/accounts/backup/
- POST /aws/accounts/backup/
- GET /aws/accounts/backup/{id}/
- PUT /aws/accounts/backup/{id}/
- GET /aws/accounts/{id}/
- GET /aws/backups/{backup_id}/snapshots/copy_to_s3/
- GET /aws/backups/{backup_id}/snapshots/copy_to_s3/{id}/
- GET /aws/backups/{backup_id}/snapshots/dr_volumes/
- GET /aws/backups/{backup_id}/snapshots/dr_volumes/{id}/
- GET /aws/backups/{backup_id}/snapshots/fsxs/
- GET /aws/backups/{backup_id}/snapshots/fsxs/{id}/
- GET /aws/backups/{backup_id}/snapshots/instances/{id}/
- POST /aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recover_from_s3/
- POST /aws/backups/{backup_id}/snapshots/s3_rds_databases/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/volumes/
- GET /aws/backups/{backup_id}/snapshots/volumes/{id}/
- POST /aws/backups/{backup_id}/snapshots/volumes/{snapshot_record_id}/recover_from_s3/
- GET /aws/policies/
- POST /aws/policies/
- GET /aws/policies/{id}/
- GET /aws/policies/{id}/copy_to_s3/
- PUT /aws/policies/{id}/copy_to_s3/
- GET /aws/policies/{policy_id}/targets/fsxs/
- GET /aws/policies/{policy_id}/targets/fsxs/{id}/
- PUT /aws/policies/{policy_id}/targets/fsxs/{id}/
- GET /aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/
- POST /aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/

- GET /aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/{id}/
- DELETE /aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/{id}/
- GET /aws/recovery_scenarios/
- POST /aws/recovery_scenarios/
- GET /aws/recovery_scenarios/{id}/
- PUT /aws/recovery_scenarios/{id}/
- GET /aws/recovery_scenarios/{scenario_id}/targets/
- POST /aws/recovery_scenarios/{scenario_id}/targets/
- GET /aws/recovery_scenarios/{scenario_id}/targets/{id}/
- PUT /aws/recovery_scenarios/{scenario_id}/targets/{id}/
- GET /aws/workers/
- POST /aws/workers/
- GET /aws/workers/{id}/
- PUT /aws/workers/{id}/
- POST /azure/backups/{backup_id}/snapshots/virtual_machines/{snapshot_record_id}/recover/
- GET /azure/policies/{id}/dr/
- PUT /azure/policies/{id}/dr/
- GET /azure/recovery_scenarios/
- GET /azure/recovery_scenarios/{id}/
- GET /azure/recovery_scenarios/{scenario_id}/targets/
- POST /azure/recovery_scenarios/{scenario_id}/targets/
- GET /azure/recovery_scenarios/{scenario_id}/targets/{id}/
- PUT /azure/recovery_scenarios/{scenario_id}/targets/{id}/
- DELETE /azure/recovery_scenarios/{scenario_id}/targets/{id}/
- GET /reports/snapshots/

4.2. Version 2.1.0

4.2.1. New APIs

- GET /aws/accounts/backup/{account_id}/network_item_clones/
- GET /aws/accounts/backup/{account_id}/network_item_clones/{id}/
- GET /aws/accounts/backup/{account_id}/network_item_clones/{id}/logs/
- POST /aws/accounts/backup/{id}/clone_tgw/

- GET /aws/backups/{backup_id}/snapshots/fsx_volumes/
- GET /aws/backups/{backup_id}/snapshots/fsx_volumes/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/fsx_volumes/{id}/
- POST /aws/backups/{backup_id}/snapshots/fsx_volumes/{snapshot_record_id}/recover/
- POST /aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recover_sap_hana_dbs/
- POST /aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recoveries/{recovery_id}/recover_sap_hana_dbs/
- GET /aws/backups/{backup_id}/snapshots/s3_rds_databases/
- GET /aws/backups/{backup_id}/snapshots/s3_rds_databases/{id}/
- GET /aws/backups/{backup_id}/snapshots/sap_hana_dbs/
- GET /aws/backups/{backup_id}/snapshots/sap_hana_dbs/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/sap_hana_dbs/{id}/
- GET /aws/captured_tgws/
- GET /aws/captured_vpcs/{id}/cloudformation_template/tgw/
- GET /aws/captured_vpcs/{id}/cloudformation_template/vpc/
- GET /aws/cost_explorer/backup_costs/test_root_cost_explorer/
- GET /aws/network_configuration_captures/
- GET /aws/network_configuration_captures/{id}/
- GET /aws/network_configuration_captures/{id}/logs/
- GET /aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/
- POST /aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/
- GET /aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/{id}/
- DELETE /aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/{id}/
- GET /aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/
- POST /aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/
- GET /aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
- PUT /aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
- DELETE /aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
- GET /azure/backups/{backup_id}/snapshots/dr_disks/
- GET /azure/backups/{backup_id}/snapshots/dr_disks/{id}/
- DELETE /azure/backups/{backup_id}/snapshots/dr_disks/{id}/
- POST /azure/backups/{backup_id}/snapshots/dr_disks/{snapshot_record_id}/recover/

- GET /azure/backups/{backup_id}/snapshots/sql_databases/
- GET /azure/backups/{backup_id}/snapshots/sql_databases/{id}/
- DELETE /azure/backups/{backup_id}/snapshots/sql_databases/{id}/
- POST /azure/backups/{backup_id}/snapshots/sql_databases/{snapshot_record_id}/recover/
- GET /azure/backups/{backup_id}/snapshots/sql_servers/
- GET /azure/backups/{backup_id}/snapshots/sql_servers/{id}/
- POST /azure/backups/{backup_id}/snapshots/sql_servers/{snapshot_record_id}/recover/
- GET /azure/policies/{id}/copy_to_storage_account/
- PUT /azure/policies/{id}/copy_to_storage_account/
- GET /azure/policies/{id}/dr/
- PUT /azure/policies/{id}/dr/
- GET /azure/policies/{policy_id}/targets/sql_servers/
- POST /azure/policies/{policy_id}/targets/sql_servers/
- GET /azure/policies/{policy_id}/targets/sql_servers/{id}/
- PUT /azure/policies/{policy_id}/targets/sql_servers/{id}/
- DELETE /azure/policies/{policy_id}/targets/sql_servers/{id}/
- GET /azure/policies/{policy_id}/targets/sql_servers/{sql_server_id}/databases/
- POST /azure/policies/{policy_id}/targets/sql_servers/{sql_server_id}/databases/
- GET /azure/policies/{policy_id}/targets/sql_servers/{sql_server_id}/databases/{id}/
- DELETE /azure/policies/{policy_id}/targets/sql_servers/{sql_server_id}/databases/{id}/
- GET /azure/recovery_scenarios/
- POST /azure/recovery_scenarios/
- GET /azure/recovery_scenarios/records/
- GET /azure/recovery_scenarios/records/{id}/
- DELETE /azure/recovery_scenarios/records/{id}/
- GET /azure/recovery_scenarios/records/{id}/logs/
- GET /azure/recovery_scenarios/{id}/
- PUT /azure/recovery_scenarios/{id}/
- DELETE /azure/recovery_scenarios/{id}/
- POST /azure/recovery_scenarios/{scenario_id}/recover/
- GET /azure/recovery_scenarios/{scenario_id}/targets/
- POST /azure/recovery_scenarios/{scenario_id}/targets/

- GET /azure/recovery_scenarios/{scenario_id}/targets/{id}/
- PUT /azure/recovery_scenarios/{scenario_id}/targets/{id}/
- DELETE /azure/recovery_scenarios/{scenario_id}/targets/{id}/
- PUT /azure/storage_account_repositories/{id}/
- DELETE /azure/storage_account_repositories/{id}/
- DELETE /azure/storage_account_repositories/{id}/force/
- GET /azure/workers/
- POST /azure/workers/
- POST /azure/workers/{configuration_id}/test/
- GET /azure/workers/{configuration_id}/test/{id}/
- GET /azure/workers/{configuration_id}/test/{id}/logs/
- GET /azure/workers/{id}/
- PUT /azure/workers/{id}/
- DELETE /azure/workers/{id}/
- GET /settings/password/
- POST /settings/password/
- PUT /settings/password/
- GET /settings/password_rules/
- POST /settings/password_rules/
- PUT /settings/password_rules/
- GET /settings/user_ui_defaults/
- PUT /settings/user_ui_defaults/

4.2.2. Modified APIs

- GET /aws/backups/{backup_id}/snapshots/dr_efs/
- GET /aws/backups/{backup_id}/snapshots/dr_efs/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_efs/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/dr_rds_clusters/
- GET /aws/backups/{backup_id}/snapshots/dr_rds_clusters/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_rds_clusters/{snapshot_record_id}/recover/
- POST /aws/backups/{backup_id}/snapshots/efs/{snapshot_record_id}/recover/
- DELETE /aws/backups/{backup_id}/snapshots/fsxs/{id}/
- POST /aws/backups/{backup_id}/snapshots/fsxs/{snapshot_record_id}/recover/

- GET /aws/backups/{backup_id}/snapshots/rds_clusters/
- GET /aws/backups/{backup_id}/snapshots/rds_clusters/{id}/
- POST /aws/backups/{backup_id}/snapshots/rds_clusters/{snapshot_record_id}/recover/
- GET /aws/backups/{id}/logs/
- GET /aws/policies/{id}/dr/
- PUT /aws/policies/{id}/dr/
- GET /aws/policies/{policy_id}/targets/instances/
- GET /aws/policies/{policy_id}/targets/instances/{id}/
- GET /azure/backups/{id}/logs/
- GET /settings/tagscan/logs/

4.2.3. Deprecated APIs

- GET /aws/captured_vpcs/{id}/cloudformation_template/

4.3. Version 2.0.0

4.3.1. New APIs

- GET /aws/accounts/backup/
- GET /aws/accounts/backup/{id}/
- POST /aws/backups/{backup_id}/snapshots/s3_rds_databases/{snapshot_record_id}/recover/
- GET /aws/clouds/
- PUT /aws/policies/{policy_id}/targets/rds_databases/{id}/
- GET /azure/accounts/
- POST /azure/accounts/
- GET /azure/accounts/{id}/
- PUT /azure/accounts/{id}/
- DELETE /azure/accounts/{id}/
- GET /azure/accounts/{id}/check_azure_permissions/
- GET /azure/accounts/{id}/check_azure_permissions/download/
- DELETE /azure/accounts/{id}/snapshots/
- GET /azure/backups/
- GET /azure/backups/{backup_id}/snapshots/
- GET /azure/backups/{backup_id}/snapshots/disks/

- GET /azure/backups/{backup_id}/snapshots/disks/{id}/
- DELETE /azure/backups/{backup_id}/snapshots/disks/{id}/
- POST /azure/backups/{backup_id}/snapshots/disks/{snapshot_record_id}/recover/
- GET /azure/backups/{backup_id}/snapshots/virtual_machines/
- GET /azure/backups/{backup_id}/snapshots/virtual_machines/{id}/
- POST /azure/backups/{backup_id}/snapshots/virtual_machines/{snapshot_record_id}/recover/
- POST /azure/backups/{backup_id}/to_freezer/
- GET /azure/backups/{id}/
- PUT /azure/backups/{id}/
- DELETE /azure/backups/{id}/
- GET /azure/backups/{id}/logs/
- GET /azure/policies/
- POST /azure/policies/
- GET /azure/policies/{id}/
- PUT /azure/policies/{id}/
- DELETE /azure/policies/{id}/
- POST /azure/policies/{id}/backups/
- GET /azure/policies/{id}/options/
- PUT /azure/policies/{id}/options/
- GET /azure/policies/{policy_id}/targets/disks/
- POST /azure/policies/{policy_id}/targets/disks/
- GET /azure/policies/{policy_id}/targets/disks/{id}/
- DELETE /azure/policies/{policy_id}/targets/disks/{id}/
- GET /azure/policies/{policy_id}/targets/virtual_machines/
- POST /azure/policies/{policy_id}/targets/virtual_machines/
- GET /azure/policies/{policy_id}/targets/virtual_machines/{id}/
- PUT /azure/policies/{policy_id}/targets/virtual_machines/{id}/
- DELETE /azure/policies/{policy_id}/targets/virtual_machines/{id}/
- GET /azure/policies/{policy_id}/targets/virtual_machines/{virtual_machine_id}/disks/
- POST /azure/policies/{policy_id}/targets/virtual_machines/{virtual_machine_id}/disks/
- GET /azure/policies/{policy_id}/targets/virtual_machines/{virtual_machine_id}/disks/{id}/
- DELETE /azure/policies/{policy_id}/targets/virtual_machines/{virtual_machine_id}/disks/{id}/

- GET /azure/reports/backups/
- GET /azure/reports/usage/detailed/
- GET /azure/reports/usage/detailed/anonymous/
- GET /azure/reports/usage/summary/
- GET /azure/reports/usage/summary/anonymous/
- GET /azure/resource_types/
- GET /reports/protected_resources/rds_databases/config/
- GET /reports/snapshots/

4.3.2. Modified APIs

- GET /aws/accounts/dr/
- POST /aws/accounts/dr/
- GET /aws/accounts/dr/{id}/
- GET /aws/backups/{backup_id}/snapshots/dr_initial_amis/
- GET /aws/backups/{backup_id}/snapshots/dr_initial_amis/{id}/
- GET /aws/backups/{backup_id}/snapshots/dr_rds_databases/
- GET /aws/backups/{backup_id}/snapshots/dr_rds_databases/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_rds_databases/{snapshot_record_id}/recover/
- POST /aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/only_dr_amis/
- GET /aws/backups/{backup_id}/snapshots/only_dr_amis/{id}/
- GET /aws/backups/{backup_id}/snapshots/rds_databases/
- GET /aws/backups/{backup_id}/snapshots/rds_databases/{id}/
- POST /aws/backups/{backup_id}/snapshots/rds_databases/{snapshot_record_id}/recover/
- GET /aws/explore_sessions/
- POST /aws/explore_sessions/
- GET /aws/explore_sessions/{explore_session_id}/file_system_entries/
- POST /aws/explore_sessions/{explore_session_id}/file_system_entries/
- GET /aws/explore_sessions/{id}/
- POST /aws/policies/{policy_id}/targets/instances/
- PUT /aws/policies/{policy_id}/targets/instances/{id}/
- GET /aws/policies/{policy_id}/targets/rds_clusters/
- GET /aws/policies/{policy_id}/targets/rds_clusters/{id}/

- GET /aws/policies/{policy_id}/targets/rds_databases/
- POST /aws/policies/{policy_id}/targets/rds_databases/
- GET /aws/policies/{policy_id}/targets/rds_databases/{id}/
- GET /aws/regions/
- GET /aws/resource_control/groups/{group_id}/schedules/
- GET /aws/resource_control/groups/{group_id}/schedules/{id}/
- GET /aws/resource_types/
- DELETE /azure/policies/{id}/snapshots/
- GET /azure/policies/{policy_id}/run_times/
- GET /azure/recoveries/
- GET /azure/recoveries/{id}/
- GET /azure/reports/protected_resources/
- GET /azure/reports/snapshots/
- GET /azure/reports/summary/
- GET /azure/reports/usage/
- GET /azure/reports/usage/anonymized/
- GET /reports/audit/
- GET /reports/backups/
- GET /reports/protected_resources/
- GET /reports/resource_control_operations/
- GET /reports/summary/
- GET /reports/usage/
- GET /reports/usage/anonymized/
- GET /reports/usage/detailed/
- GET /reports/usage/detailed/anonymous/
- GET /reports/usage/summary/
- GET /reports/usage/summary/anonymous/
- GET /settings/cleanup/
- POST /settings/cleanup/

4.3.3. Deprecated APIs

- GET /azure/reports/usage/

4.4. Version 1.7.0

4.4.1. New APIs

- POST /aws/explore_sessions/max_generations/
- GET /aws/policies/{id}/import_logs/
- GET /aws/policies/{id}/import_parameters/
- PUT /aws/policies/{id}/import_parameters/
- GET /aws/workers/{configuration_id}/test/{id}/logs/

4.4.2. Modified APIs

- POST /aws/backups/{backup_id}/snapshots/volumes/{snapshot_record_id}/recover/
- POST /aws/policies/{id}/import/
- GET /aws/policies/{id}/import_dry_run/
- POST /aws/policies/{id}/pause_import/
- POST /aws/workers/{configuration_id}/test/
- GET /aws/workers/{configuration_id}/test/{id}/

4.5. Version 1.6.0

4.5.1. New APIs

- GET /aws/accounts/dr/{id}/check_secured_dr_account_and_report/
- GET /aws/accounts/dr/{id}/secured_dr_account/
- PUT /aws/accounts/dr/{id}/secured_dr_account/
- GET /aws/backups/{backup_id}/snapshots/fsxs/
- GET /aws/backups/{backup_id}/snapshots/fsxs/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/fsxs/{id}/
- POST /aws/backups/{backup_id}/snapshots/fsxs/{snapshot_record_id}/recover/
- DELETE /aws/explore_sessions/
- GET /aws/explore_sessions/{explore_session_id}/download/
- POST /aws/explore_sessions/{explore_session_id}/file_system_entries/
- GET /aws/policies/{policy_id}/targets/fsxs/
- POST /aws/policies/{policy_id}/targets/fsxs/
- GET /aws/policies/{policy_id}/targets/fsxs/{id}/

- PUT /aws/policies/{policy_id}/targets/fsxs/{id}/
- DELETE /aws/policies/{policy_id}/targets/fsxs/{id}/
- GET /aws/prohibited_permissions/
- GET /aws/settings/secured_dr_account_check/
- POST /aws/settings/secured_dr_account_check/
- GET /aws/settings/secured_dr_account_check/logs/
- POST /aws/settings/secured_dr_account_check/run/
- GET /aws/settings/watermark/
- POST /aws/settings/watermark/
- GET /system/tasks/
- GET /system/tasks/{id}/

4.5.2. Modified APIs

- POST /aws/accounts/backup/{id}/clone_vpc/
- GET /aws/backups/{backup_id}/snapshots/
- POST /aws/explore_sessions/{explore_session_id}/download/

4.6. Version 1.5.0

4.6.1. New APIs

- GET /aws/backups/{backup_id}/snapshots/dr_efs/
- GET /aws/backups/{backup_id}/snapshots/dr_efs/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/dr_efs/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_efs/{snapshot_record_id}/recover/
- POST /aws/cost_explorer/resource_control_savings/
- PUT /aws/cost_explorer/resource_control_savings/{id}/
- GET /aws/policies/{policy_id}/custom_tags/
- POST /aws/policies/{policy_id}/custom_tags/
- GET /aws/policies/{policy_id}/custom_tags/{id}/
- DELETE /aws/policies/{policy_id}/custom_tags/{id}/
- GET /aws/policies/{policy_id}/targets/s3syncs/
- POST /aws/policies/{policy_id}/targets/s3syncs/
- GET /aws/policies/{policy_id}/targets/s3syncs/{id}/

- PUT /aws/policies/{policy_id}/targets/s3syncs/{id}/
- DELETE /aws/policies/{policy_id}/targets/s3syncs/{id}/
- DELETE /aws/s3_repositories/{id}/force/
- GET /aws/settings/cost_explorer/
- POST /aws/settings/cost_explorer/
- GET /aws/worker_tags/
- POST /aws/worker_tags/
- GET /aws/worker_tags/{id}/
- PUT /aws/worker_tags/{id}/
- DELETE /aws/worker_tags/{id}/
- PUT /settings/notifications/{id}/

4.6.2. Modified APIs

- GET /aws/backups/
- GET /aws/policies/{policy_id}/targets/dynamodb_tables/
- GET /aws/policies/{policy_id}/targets/dynamodb_tables/{id}/
- GET /aws/policies/{policy_id}/targets/efs/{id}/
- GET /aws/policies/{policy_id}/targets/redshift_clusters/
- GET /aws/policies/{policy_id}/targets/redshift_clusters/{id}/
- GET /delegates/
- POST /delegates/
- GET /delegates/{id}/
- PUT /delegates/{id}/
- GET /schedules/
- GET /schedules/{id}/

4.7. Version 1.4.0

4.7.1. New APIs

- POST /agents/configuration/
- POST /aws/accounts/backup/
- PUT /aws/accounts/backup/{id}/
- GET /aws/accounts/backup/{id}/check_aws_permissions/

- GET /aws/accounts/backup/{id}/check_aws_permissions/download/
- GET /aws/accounts/backup/{id}/clone_vpc_log/
- GET /aws/accounts/dr/{id}/check_aws_permissions/
- GET /aws/accounts/dr/{id}/check_aws_permissions/download/
- GET /aws/backups/{backup_id}/script_logs/
- GET /aws/backups/{backup_id}/script_logs/{id}/
- GET /aws/captured_vpcs/
- GET /aws/captured_vpcs/logs/
- GET /aws/captured_vpcs/{id}/
- GET /aws/captured_vpcs/{id}/cloudformation_template/
- GET /aws/cost_explorer/backup_costs/
- GET /aws/cost_explorer/backup_costs/{id}/
- GET /aws/cost_explorer/resource_control_savings/
- GET /aws/cost_explorer/resource_control_savings/{id}/
- GET /aws/policies/
- POST /aws/policies/
- GET /aws/policies/{id}/
- POST /aws/policies/{policy_id}/archive/abort/
- POST /aws/policies/{policy_id}/cleanup_s3/abort/
- POST /aws/policies/{policy_id}/s3_operations/abort/
- GET /aws/recovery_scenarios/
- POST /aws/recovery_scenarios/
- GET /aws/recovery_scenarios/records/
- GET /aws/recovery_scenarios/records/{id}/
- DELETE /aws/recovery_scenarios/records/{id}/
- GET /aws/recovery_scenarios/records/{id}/logs/
- GET /aws/recovery_scenarios/{id}/
- PUT /aws/recovery_scenarios/{id}/
- DELETE /aws/recovery_scenarios/{id}/
- POST /aws/recovery_scenarios/{scenario_id}/recover/
- GET /aws/recovery_scenarios/{scenario_id}/targets/
- POST /aws/recovery_scenarios/{scenario_id}/targets/

- GET /aws/recovery_scenarios/{scenario_id}/targets/{id}/
- PUT /aws/recovery_scenarios/{scenario_id}/targets/{id}/
- DELETE /aws/recovery_scenarios/{scenario_id}/targets/{id}/
- GET /aws/resource_types/
- POST /aws/workers/{configuration_id}/test/
- GET /aws/workers/{configuration_id}/test/{id}/
- GET /reports/usage/detailed/anonymous/
- GET /reports/usage/summary/anonymous/
- GET /schedules/{schedule_id}/run_times/
- POST /settings/activation_key/
- GET /settings/cleanup/s3_logs/
- POST /settings/email_identity/verify/
- GET /settings/email_identity/verify_status/
- PUT /settings/identifier/
- GET /settings/identity_provider/cpm_addresses/
- GET /settings/identity_provider/groups/delegates/
- GET /settings/identity_provider/groups/delegates/{id}/
- PUT /settings/identity_provider/groups/delegates/{id}/
- GET /settings/identity_provider/groups/users/
- GET /settings/identity_provider/groups/users/{id}/
- PUT /settings/identity_provider/groups/users/{id}/
- GET /settings/notifications/{id}/
- POST /settings/notifications/{id}/test_daily_summary/
- GET /settings/upgrade_patches/
- POST /settings/upgrade_patches/
- GET /system/dashboard/activity/
- GET /system/dashboard/state/
- GET /system/timezones/
- GET /system/version/

4.7.2. Modified APIs

- POST /aws/backups/{backup_id}/snapshots/dr_volumes/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/dynamodb_tables/

- GET /aws/backups/{backup_id}/snapshots/dynamodb_tables/{id}/
- POST /aws/backups/{backup_id}/snapshots/dynamodb_tables/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/efs/
- GET /aws/backups/{backup_id}/snapshots/efs/{id}/
- GET /aws/backups/{backup_id}/snapshots/initial_amis/
- DELETE /aws/backups/{backup_id}/snapshots/initial_amis/{id}/
- GET /aws/backups/{backup_id}/snapshots/instances/
- GET /aws/backups/{backup_id}/snapshots/only_amis/
- GET /aws/backups/{backup_id}/snapshots/only_amis/{id}/
- GET /aws/backups/{backup_id}/snapshots/redshift_clusters/
- GET /aws/backups/{backup_id}/snapshots/redshift_clusters/{id}/
- POST /aws/backups/{backup_id}/snapshots/redshift_clusters/{snapshot_record_id}/recover/
- POST /aws/policies/{id}/backups/
- GET /aws/policies/{policy_id}/run_times/
- GET /aws/policies/{policy_id}/targets/efs/
- POST /aws/resource_control/groups/
- POST /aws/resource_control/groups/{group_id}/schedules/
- GET /aws/resource_control/records/
- POST /schedules/
- PUT /schedules/{id}/
- GET /settings/cpm_metadata/
- POST /settings/identifier/
- GET /settings/identity_provider/
- POST /settings/identity_provider/
- POST /settings/identity_provider/groups/delegates/
- POST /settings/identity_provider/groups/users/
- POST /settings/identity_provider/test_connection/
- GET /settings/notifications/
- POST /settings/notifications/
- GET /system/support_logs/
- GET /users/
- POST /users/

- GET /users/{id}/
- PUT /users/{id}/

4.7.3. Deprecated APIs

- GET /aws/settings/file_level_recovery/
- POST /aws/settings/file_level_recovery/

4.8. Version 1.3.0

4.8.1. New APIs

- POST /aws/accounts/backup/{id}/clone_vpc/
- DELETE /aws/accounts/{id}/
- DELETE /aws/accounts/{id}/snapshots/
- POST /aws/backups/{backup_id}/copy_to_s3/abort/
- GET /aws/backups/{backup_id}/snapshots/efs/
- GET /aws/backups/{backup_id}/snapshots/efs/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/efs/{id}/
- POST /aws/backups/{backup_id}/snapshots/efs/{snapshot_record_id}/recover/
- POST /aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recover/
- POST /aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recover_from_s3/
- GET /aws/explore_sessions/
- POST /aws/explore_sessions/
- POST /aws/explore_sessions/{explore_session_id}/download/
- GET /aws/explore_sessions/{explore_session_id}/file_system_entries/
- POST /aws/explore_sessions/{explore_session_id}/keep_alive/
- GET /aws/explore_sessions/{id}/
- DELETE /aws/explore_sessions/{id}/
- DELETE /aws/policies/{id}/snapshots/native/
- DELETE /aws/policies/{id}/snapshots/s3/
- GET /aws/policies/{policy_id}/targets/efs/
- POST /aws/policies/{policy_id}/targets/efs/
- GET /aws/policies/{policy_id}/targets/efs/{id}/
- PUT /aws/policies/{policy_id}/targets/efs/{id}/

- DELETE /aws/policies/{policy_id}/targets/efs/{id}/
- POST /aws/recoveries/{recovery_id}/recover_from_s3/abort/
- GET /aws/settings/capture_vpc/
- POST /aws/settings/capture_vpc/
- GET /aws/settings/capture_vpc/logs/
- POST /aws/settings/capture_vpc/run/
- GET /reports/resource_control_operations/
- GET /reports/usage/detailed/
- GET /reports/usage/summary/
- GET /scheduled_reports/
- POST /scheduled_reports/
- GET /scheduled_reports/{id}/
- PUT /scheduled_reports/{id}/
- DELETE /scheduled_reports/{id}/
- POST /scheduled_reports/{scheduled_report_id}/run/
- GET /settings/cpm_log_mode/
- POST /settings/cpm_log_mode/
- GET /settings/email_identity/
- POST /settings/email_identity/
- POST /settings/proxy/test_connection/
- GET /settings/security/
- POST /settings/security/

4.8.2. Modified APIs

- GET /aws/backups/{id}/
- DELETE /aws/policies/{id}/snapshots/
- GET /aws/recoveries/
- GET /aws/recoveries/{id}/
- GET /aws/s3_repositories/
- GET /aws/s3_repositories/{id}/

4.8.3. Deprecated APIs

- GET /reports/usage/

4.9. Version 1.2.0

4.9.1. New APIs

- GET /alerts/
- DELETE /alerts/
- GET /alerts/{id}/
- DELETE /alerts/{id}/
- GET /aws/accounts/
- GET /aws/accounts/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_volumes/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/instances/
- GET /aws/backups/{backup_id}/snapshots/instances/{id}/
- GET /aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/ami/
- GET /aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/aws_additional_nics/
- GET /aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/find_similar_ami/
- POST /aws/backups/{backup_id}/snapshots/volumes/{snapshot_record_id}/recover/
- POST /aws/backups/{backup_id}/snapshots/volumes/{snapshot_record_id}/recover_from_s3/
- POST /aws/policies/{policy_id}/targets/instances/
- PUT /aws/policies/{policy_id}/targets/instances/{id}/
- GET /aws/resource_control/groups/
- POST /aws/resource_control/groups/
- GET /aws/resource_control/groups/{group_id}/schedules/
- POST /aws/resource_control/groups/{group_id}/schedules/
- GET /aws/resource_control/groups/{group_id}/schedules/{id}/
- DELETE /aws/resource_control/groups/{group_id}/schedules/{id}/
- GET /aws/resource_control/groups/{group_id}/targets/
- GET /aws/resource_control/groups/{group_id}/targets/instances/
- POST /aws/resource_control/groups/{group_id}/targets/instances/
- GET /aws/resource_control/groups/{group_id}/targets/instances/{id}/
- DELETE /aws/resource_control/groups/{group_id}/targets/instances/{id}/
- GET /aws/resource_control/groups/{group_id}/targets/rds_databases/
- POST /aws/resource_control/groups/{group_id}/targets/rds_databases/

- GET /aws/resource_control/groups/{group_id}/targets/rds_databases/{id}/
- DELETE /aws/resource_control/groups/{group_id}/targets/rds_databases/{id}/
- GET /aws/resource_control/groups/{id}/
- PUT /aws/resource_control/groups/{id}/
- DELETE /aws/resource_control/groups/{id}/
- POST /aws/resource_control/groups/{id}/start/
- POST /aws/resource_control/groups/{id}/stop/
- GET /aws/resource_control/records/
- GET /aws/resource_control/records/{id}/
- DELETE /aws/resource_control/records/{id}/
- GET /aws/resource_control/records/{id}/logs/
- GET /aws/settings/file_level_recovery/
- POST /aws/settings/file_level_recovery/
- GET /schedules/{schedule_id}/disable_times/
- POST /schedules/{schedule_id}/disable_times/
- GET /schedules/{schedule_id}/disable_times/{id}/
- DELETE /schedules/{schedule_id}/disable_times/{id}/
- GET /settings/cpm_certificate/
- GET /settings/cpm_metadata/
- POST /settings/identity_provider/test_connection/
- GET /settings/notifications/
- POST /settings/notifications/
- POST /settings/tagscan/run/

4.9.2. Modified APIs

- DELETE /aws/policies/{policy_id}/targets/instances/{id}/

4.10. Version 1.1.0

4.10.1. New APIs

- GET /agents/
- GET /aws/backups/
- GET /aws/backups/{backup_id}/snapshots/

- GET /aws/backups/{backup_id}/snapshots/copy_to_s3/
- GET /aws/backups/{backup_id}/snapshots/copy_to_s3/{id}/
- GET /aws/backups/{backup_id}/snapshots/dr_initial_amis/
- GET /aws/backups/{backup_id}/snapshots/dr_initial_amis/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/dr_initial_amis/{id}/
- GET /aws/backups/{backup_id}/snapshots/dr_rds_clusters/
- GET /aws/backups/{backup_id}/snapshots/dr_rds_clusters/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/dr_rds_clusters/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_rds_clusters/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/dr_rds_databases/
- GET /aws/backups/{backup_id}/snapshots/dr_rds_databases/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/dr_rds_databases/{id}/
- POST /aws/backups/{backup_id}/snapshots/dr_rds_databases/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/dr_volumes/
- GET /aws/backups/{backup_id}/snapshots/dr_volumes/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/dr_volumes/{id}/
- GET /aws/backups/{backup_id}/snapshots/dynamodb_tables/
- GET /aws/backups/{backup_id}/snapshots/dynamodb_tables/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/dynamodb_tables/{id}/
- POST /aws/backups/{backup_id}/snapshots/dynamodb_tables/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/initial_amis/
- GET /aws/backups/{backup_id}/snapshots/initial_amis/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/initial_amis/{id}/
- GET /aws/backups/{backup_id}/snapshots/only_amis/
- GET /aws/backups/{backup_id}/snapshots/only_amis/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/only_amis/{id}/
- GET /aws/backups/{backup_id}/snapshots/only_dr_amis/
- GET /aws/backups/{backup_id}/snapshots/only_dr_amis/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/only_dr_amis/{id}/
- GET /aws/backups/{backup_id}/snapshots/rds_clusters/
- GET /aws/backups/{backup_id}/snapshots/rds_clusters/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/rds_clusters/{id}/

- POST /aws/backups/{backup_id}/snapshots/rds_clusters/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/rds_databases/
- GET /aws/backups/{backup_id}/snapshots/rds_databases/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/rds_databases/{id}/
- POST /aws/backups/{backup_id}/snapshots/rds_databases/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/redshift_clusters/
- GET /aws/backups/{backup_id}/snapshots/redshift_clusters/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/redshift_clusters/{id}/
- POST /aws/backups/{backup_id}/snapshots/redshift_clusters/{snapshot_record_id}/recover/
- GET /aws/backups/{backup_id}/snapshots/volumes/
- GET /aws/backups/{backup_id}/snapshots/volumes/{id}/
- DELETE /aws/backups/{backup_id}/snapshots/volumes/{id}/
- GET /aws/backups/{id}/
- PUT /aws/backups/{id}/
- DELETE /aws/backups/{id}/
- GET /aws/backups/{id}/logs/
- GET /aws/policies/{id}/copy_to_s3/
- PUT /aws/policies/{id}/copy_to_s3/
- GET /aws/policies/{policy_id}/targets/
- GET /aws/policies/{policy_id}/targets/dynamodb_tables/
- POST /aws/policies/{policy_id}/targets/dynamodb_tables/
- GET /aws/policies/{policy_id}/targets/dynamodb_tables/{id}/
- DELETE /aws/policies/{policy_id}/targets/dynamodb_tables/{id}/
- GET /aws/policies/{policy_id}/targets/rds_clusters/
- POST /aws/policies/{policy_id}/targets/rds_clusters/
- GET /aws/policies/{policy_id}/targets/rds_clusters/{id}/
- DELETE /aws/policies/{policy_id}/targets/rds_clusters/{id}/
- GET /aws/policies/{policy_id}/targets/redshift_clusters/
- POST /aws/policies/{policy_id}/targets/redshift_clusters/
- GET /aws/policies/{policy_id}/targets/redshift_clusters/{id}/
- DELETE /aws/policies/{policy_id}/targets/redshift_clusters/{id}/
- GET /aws/s3_repositories/

- POST /aws/s3_repositories/
- GET /aws/s3_repositories/{id}/
- PUT /aws/s3_repositories/{id}/
- DELETE /aws/s3_repositories/{id}/
- GET /aws/workers/
- POST /aws/workers/
- GET /aws/workers/{id}/
- PUT /aws/workers/{id}/
- DELETE /aws/workers/{id}/
- GET /settings/cleanup/
- POST /settings/cleanup/
- GET /settings/cleanup/logs/
- POST /settings/cleanup/run/
- GET /settings/identifier/
- POST /settings/identifier/
- GET /settings/identity_provider/groups/
- POST /settings/identity_provider/groups/delegates/
- DELETE /settings/identity_provider/groups/delegates/{id}/
- POST /settings/identity_provider/groups/users/
- DELETE /settings/identity_provider/groups/users/{id}/
- GET /settings/tagscan/
- POST /settings/tagscan/
- GET /settings/tagscan/logs/
- GET /system/support_logs/

4.10.2. Deprecated APIs

- GET /freezer/

4.11. Version 1.0.0

4.11.1. New APIs

- DELETE /aws/accounts/backup/{id}/
- DELETE /aws/accounts/backup/{id}/snapshots/

- GET /aws/accounts/dr/
- POST /aws/accounts/dr/
- GET /aws/accounts/dr/{id}/
- PUT /aws/accounts/dr/{id}/
- DELETE /aws/accounts/dr/{id}/
- DELETE /aws/accounts/dr/{id}/snapshots/
- DELETE /aws/backups/{backup_id}/snapshots/
- POST /aws/backups/{backup_id}/to_freezer/
- PUT /aws/policies/{id}/
- DELETE /aws/policies/{id}/
- POST /aws/policies/{id}/backups/
- GET /aws/policies/{id}/dr/
- PUT /aws/policies/{id}/dr/
- POST /aws/policies/{id}/import/
- GET /aws/policies/{id}/import_dry_run/
- GET /aws/policies/{id}/options/
- PUT /aws/policies/{id}/options/
- POST /aws/policies/{id}/pause_import/
- DELETE /aws/policies/{id}/snapshots/
- GET /aws/policies/{policy_id}/run_times/
- GET /aws/policies/{policy_id}/targets/instances/
- GET /aws/policies/{policy_id}/targets/instances/{id}/
- DELETE /aws/policies/{policy_id}/targets/instances/{id}/
- GET /aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/
- POST /aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/
- GET /aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/{id}/
- DELETE /aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/{id}/
- GET /aws/policies/{policy_id}/targets/rds_databases/
- POST /aws/policies/{policy_id}/targets/rds_databases/
- GET /aws/policies/{policy_id}/targets/rds_databases/{id}/
- DELETE /aws/policies/{policy_id}/targets/rds_databases/{id}/
- GET /aws/policies/{policy_id}/targets/volumes/

- POST /aws/policies/{policy_id}/targets/volumes/
- GET /aws/policies/{policy_id}/targets/volumes/{id}/
- DELETE /aws/policies/{policy_id}/targets/volumes/{id}/
- GET /aws/recoveries/
- GET /aws/recoveries/{id}/
- DELETE /aws/recoveries/{id}/
- GET /aws/recoveries/{id}/logs/
- GET /aws/regions/
- DELETE /azure/backups/{backup_id}/snapshots/
- DELETE /azure/policies/{id}/snapshots/
- GET /azure/policies/{policy_id}/run_times/
- GET /azure/recoveries/
- GET /azure/recoveries/{id}/
- DELETE /azure/recoveries/{id}/
- GET /azure/recoveries/{id}/logs/
- GET /azure/reports/protected_resources/
- GET /azure/reports/snapshots/
- GET /azure/reports/summary/
- GET /azure/reports/usage/
- GET /azure/reports/usage/anonymized/
- GET /delegates/
- POST /delegates/
- GET /delegates/{id}/
- PUT /delegates/{id}/
- DELETE /delegates/{id}/
- POST /delegates/{id}/reset_password/
- GET /freezer/
- GET /reports/audit/
- GET /reports/backups/
- GET /reports/protected_resources/
- GET /reports/summary/
- GET /reports/usage/

- GET /reports/usage/anonymized/
- GET /schedules/
- POST /schedules/
- GET /schedules/{id}/
- PUT /schedules/{id}/
- DELETE /schedules/{id}/
- GET /settings/identity_provider/
- POST /settings/identity_provider/
- GET /settings/proxy/
- POST /settings/proxy/
- POST /settings/user_ui_defaults/
- POST /token/obtain/api_key/
- POST /token/refresh/
- GET /users/
- POST /users/
- POST /users/me/change_password/
- GET /users/{id}/
- PUT /users/{id}/
- DELETE /users/{id}/
- POST /users/{id}/reset_password/

Chapter 5. AWS Accounts

5.1. List N2WS accounts

```
GET /api/aws/accounts/
```

5.1.1. Description

This endpoint returns a list of N2WS accounts.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own accounts.
* Root user can also get the accounts of the managed users.
* Delegates can get the accounts of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `2.2.0`

5.1.2. Parameters

Type	Name	Description	Schema
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**name** *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * authentication * name * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * Name * AWS access key	string
Query	**user** *optional*	ID of the owner user.	string

5.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_accounts_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_list

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
capture_vpcs *optional*	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean

Name	Description	Schema
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
scan_regions *optional*	Region in which to scan resources. If not set, a `default` region will be applied.	< integer > array
scan_resource_types *optional*	Resource types to scan in selected regions. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
use_accurate_volume_usage *optional*	Whether the current account accurate volume usage is enabled.	boolean
user *optional*	ID of the owner user.	integer

5.1.4. Produces

- `application/json`

5.2. Create a N2WS backup account

```
POST /api/aws/accounts/backup/
```

5.2.1. Description

This endpoint creates a new backup account.

Permissions and Restrictions:
* Any authenticated user with 'allow_account_changes' can create new accounts for himself.
* Root user can also create account for the managed users.
* Only the root user and his delegates can create account with authentication of `IAM Role`.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can create a new account for his original user.
* All users are limited to the maximum number of allowed accounts according to the license.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

5.2.2. Parameters

Type	Name	Schema
Body	**data_aws_accounts_backup_create** *required*	data_aws_accounts_backup_create

data_aws_accounts_backup_create

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
assume_from_account *optional*	Account that will assume the role.	integer

Name	Description	Schema
authentication *required*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User) * R (CPM Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
aws_secret_key *optional*	AWS secret key - Part of AWS credentials.	string
capture_vpcs *optional*	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
cloud *optional*	Cloud name. **Allowed Enum Values** * aws (Amazon Web Services) * azure (Microsoft Azure)	enum (aws, azure)
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
role_name *optional*	Role name, not the full ARN of the role.	string
scan_regions *optional*	Region in which to scan resources. If not set, a `default` region will be applied.	< integer > array

Name	Description	Schema
scan_resource_types *optional*	Resource types to scan in selected regions. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
use_accurate_volume_usage *optional*	Whether the current account accurate volume usage is enabled.	boolean
user *required*	ID of the owner user.	integer

5.2.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_accounts_backup_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_backup_create

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)

Name	Description	Schema
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
capture_vpcs *optional*	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
scan_regions *optional*	Region in which to scan resources. If not set, a `default` region will be applied.	< integer > array
scan_resource_types *optional*	Resource types to scan in selected regions. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
use_accurate_volume_usage *optional*	Whether the current account accurate volume usage is enabled.	boolean
user *optional*	ID of the owner user.	integer

5.2.4. Consumes

- `application/json`

5.2.5. Produces

- `application/json`

5.3. List N2WS backup accounts

```
GET /api/aws/accounts/backup/
```

5.3.1. Description

This endpoint returns a list of N2WS backup accounts.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own accounts.
* Root user can also get the accounts of the managed users.
* Delegates can get the accounts of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.2.0`

5.3.2. Parameters

Type	Name	Description	Schema
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**name** *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * authentication * name * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * Name * AWS access key	string
Query	**user** *optional*	ID of the owner user.	string

5.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_accounts_backup_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_backup_list

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
capture_vpcs *optional*	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean

Name	Description	Schema
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
scan_regions *optional*	Region in which to scan resources. If not set, a `default` region will be applied.	< integer > array
scan_resource_types *optional*	Resource types to scan in selected regions. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
use_accurate_volume_usage *optional*	Whether the current account accurate volume usage is enabled.	boolean
user *optional*	ID of the owner user.	integer

5.3.4. Produces

- `application/json`

5.4. List all Clones of a Network Item for a specific account.

```
GET /api/aws/accounts/backup/{account_id}/network_item_clones/
```

5.4.1. Description

This endpoint returns the list of all Clones of a Network Item for a specific account.

Optional `pagination` parameters are listed below.

Permissions and Restrictions:
* Any user with IsAllowPerformRecovery permission can get the list of Network Item Clones.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

5.4.2. Parameters

Type	Name	Description	Schema
Path	**account_id** *required*		string
Query	**aws_id** *optional*	None	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

5.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_accounts_backup_network_item_clones_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_backup_network_item_clones_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_id *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
operation_type *optional*	Operation that the user performed on the 'Clone VPC Entities' page.	string
region *optional*		string
start_time *optional*		string

5.4.4. Produces

- `application/json`

5.5. Retrieve the details of a log of a Network Item's Clone operation.

```
GET /api/aws/accounts/backup/{account_id}/network_item_clones/{id}/
```

5.5.1. Description

This endpoint returns the details of a log of a Network Item's Clone operation for the account ID and Network Item AWS ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any user with IsAllowPerformRecovery permission can get the list of Network Item Clones.
* Root user can also get the data of the managed users.
* Delegates can get the data of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

5.5.2. Parameters

Type	Name	Schema
Path	**account_id** *required*	string
Path	**id** *required*	string

5.5.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_accounts_backup_network_item_clones_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_accounts_backup_network_item_clones_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_id *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
operation_type *optional*	Operation that the user performed on the 'Clone VPC Entities' page.	string
region *optional*		string
start_time *optional*		string

5.5.4. Produces

- `application/json`

5.6. Download logs for the selected Network Item clone.

```
GET /api/aws/accounts/backup/{account_id}/network_item_clones/{id}/logs/
```

5.6.1. Description

This endpoint downloads the logs for the selected Network Item clone.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

5.6.2. Parameters

Type	Name	Schema
Path	**account_id** *required*	string
Path	**id** *required*	string

5.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_accounts_backup_network_item_clones_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_backup_network_item_clones_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

5.6.4. Produces

- `application/json`
- `text/csv`

5.7. Retrieve a N2WS backup account

```
GET /api/aws/accounts/backup/{id}/
```

5.7.1. Description

This endpoint returns the N2WS backup account for the ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own accounts.
* Root user can also get the accounts of the managed users.
* Delegates can get the accounts of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.2.0`

5.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_accounts_backup_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_accounts_backup_read

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array

Name	Description	Schema
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
capture_vpcs *optional*	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
scan_regions *optional*	Region in which to scan resources. If not set, a `default` region will be applied.	< integer > array

Name	Description	Schema
scan_resource_types *optional*	Resource types to scan in selected regions. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
use_accurate_volume_usage *optional*	Whether the current account accurate volume usage is enabled.	boolean
user *optional*	ID of the owner user.	integer

5.7.4. Produces

- `application/json`

5.8. Update a N2WS backup account

```
PUT /api/aws/accounts/backup/{id}/
```

5.8.1. Description

This endpoint updates the backup account for the ID passed in the URL path.

Permissions and Restrictions:
* Cross-account authorization must be enabled in the license.
* Any authenticated user with `allow_account_changes` can update accounts.
* Root user can also update accounts for the managed users.
* Only the root user and his delegates can update accounts with authentication of `IAM Role`.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can update accounts for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

5.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_accounts_backup_update** *required*	data_aws_accounts_backup_update

data_aws_accounts_backup_update

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
assume_from_account *optional*	Account that will assume the role.	integer

Name	Description	Schema
authentication *required*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User) * R (CPM Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_secret_key *optional*	AWS secret key - Part of AWS credentials.	string
capture_vpcs *optional*	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
cloud *optional*	Cloud name. **Allowed Enum Values** * aws (Amazon Web Services) * azure (Microsoft Azure)	enum (aws, azure)
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
role_name *optional*	Role name, not the full ARN of the role.	string
scan_regions *optional*	Region in which to scan resources. If not set, a `default` region will be applied.	< integer > array
scan_resource_types *optional*	Resource types to scan in selected regions. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
use_accurate_volume_usage *optional*	Whether the current account accurate volume usage is enabled.	boolean

5.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_accounts_backup_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_accounts_backup_update

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)

Name	Description	Schema
capture_vpcs *optional*	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
scan_regions *optional*	Region in which to scan resources. If not set, a `default` region will be applied.	< integer > array
scan_resource_types *optional*	Resource types to scan in selected regions. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
use_accurate_volume_usage *optional*	Whether the current account accurate volume usage is enabled.	boolean
user *optional*	ID of the owner user.	integer

5.8.4. Consumes

- `application/json`

5.8.5. Produces

- `application/json`

5.9. Delete a N2WS backup account

```
DELETE /api/aws/accounts/backup/{id}/
```

5.9.1. Description

This endpoint deletes the N2WS backup account for the ID passed in the URL path. The snapshots associated with the deleted account will **not be deleted**.

Permissions and Restrictions:
* Any authenticated regular user can delete his own accounts.
* Root user can also delete accounts for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can delete the account for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

5.9.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.9.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

5.10. Check AWS permissions for selected backup account

```
GET /api/aws/accounts/backup/{id}/check_aws_permissions/
```

5.10.1. Description

This endpoint checks AWS permissions for this backup account.

Permissions and Restrictions:
* Any authenticated user can check his account AWS permissions.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

5.10.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.10.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_accounts_backup_check_aws_permissions > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_backup_check_aws_permissions

Name	Description	Schema
account_name *optional*	Account name for checking AWS permissions.	string
account_number *optional*	Account number for checking AWS permissions.	string
connection *optional*	Connection of the account for checking AWS permissions.	string
groups *optional*	Groups of the account for checking AWS permissions.	< object > array

5.10.4. Produces

- `application/json`

5.11. Download a CSV file containing the checking of AWS permissions for selected backup account

```
GET /api/aws/accounts/backup/{id}/check_aws_permissions/download/
```

5.11.1. Description

This endpoint downloads a CSV file containing the checking AWS permissions for this backup account.

Permissions and Restrictions:
* Any authenticated user can check his account AWS permissions.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

5.11.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.11.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

5.11.4. Produces

- `text/csv`

5.12. Run clone TGW for selected backup account

```
POST /api/aws/accounts/backup/{id}/clone_tgw/
```

5.12.1. Description

This endpoint runs clone TGW for this backup account.

Permissions and Restrictions:
* Any authenticated user with VPC license with permissions to recover can run clone TGW.



This is async operation and its progress can be tracked using the ID provided in the response.
See `GET /api/system/tasks/{id}/` for more information.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

5.12.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_accounts_backup_clone_tgw** *required*	data_aws_accounts_backup_clone_tgw

data_aws_accounts_backup_clone_tgw

Name	Description	Schema
bucket_name *optional*	Name of an existing S3 bucket on the clone target region.	string
from_tgw *required*	ID of the source Transit Gateway.	integer
to_account *required*	Destination account ID for VPC clone operation.	integer
to_region *required*	Destination region for VPC clone operation.	string
to_tgw *required*	Newly cloned Transit Gateway name.	string

5.12.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_accounts_backup_clone_tgw
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_backup_clone_tgw

Name	Description	Schema
end_time *optional*	Time the task ended.	string
global_session_id *optional*	Global session ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Task name.	string
process_record_id *optional*	Process recode ID.	string
result *optional*	The result of the task operation.	object
start_time *optional*	Time the task started.	string
status *optional*	Task status. **Allowed Enum Values** * W (Waiting) * P (In Progress) * R (Received Result) * D (Done) * T (Timed Out)	enum (W, P, R, D, T)
type *optional*	Task type.	string

5.12.4. Consumes

- `application/json`

5.12.5. Produces

- `application/json`

5.13. Run clone VPC for selected backup account

```
POST /api/aws/accounts/backup/{id}/clone_vpc/
```

5.13.1. Description

This endpoint runs clone VPC for this backup account.

Permissions and Restrictions:
* Any authenticated user with VPC license with permissions to recover can run clone VPC.



This is async operation and its progress can be tracked using the ID provided in the response.
See `GET /api/system/tasks/{id}/` for more information.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.6.0`

5.13.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_accounts_backup_clone_vpc** *required*	data_aws_accounts_backup_clone_vpc

data_aws_accounts_backup_clone_vpc

Name	Description	Schema
bucket_name *optional*	Name of an existing S3 bucket on the clone target region.	string
from_vpc *required*	ID of the source VPC.	integer
to_account *required*	Destination account ID for VPC clone operation.	integer
to_region *required*	Destination region for VPC clone operation.	string
to_vpc *required*	Newly cloned VPC name.	string

5.13.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_accounts_backup_clone_vpc
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_backup_clone_vpc

Name	Description	Schema
end_time *optional*	Time the task ended.	string
global_session_id *optional*	Global session ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Task name.	string
process_record_id *optional*	Process recode ID.	string
result *optional*	The result of the task operation.	object
start_time *optional*	Time the task started.	string
status *optional*	Task status. **Allowed Enum Values** * W (Waiting) * P (In Progress) * R (Received Result) * D (Done) * T (Timed Out)	enum (W, P, R, D, T)
type *optional*	Task type.	string

5.13.4. Consumes

- `application/json`

5.13.5. Produces

- application/json

5.14. Download logs for the last VPC clone.

```
GET /api/aws/accounts/backup/{id}/clone_vpc_log/
```

5.14.1. Description

This endpoint downloads the logs for the last VPC clone.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

5.14.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**from_region** *required*	Source AWS region name.	string
Query	**to_account** *required*	Destination account ID.	number
Query	**to_region** *required*	Destination AWS region name.	string
Query	**to_vpc** *required*	New VPC name.	string

5.14.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_accounts_backup_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_backup_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

5.14.4. Produces

- `text/csv`

5.15. Delete all snapshots of a N2WS backup account

```
DELETE /api/aws/accounts/backup/{id}/snapshots/
```

5.15.1. Description

This endpoint deletes all snapshots of the N2WS backup account whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshots.
* Root user can also delete snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can delete the snapshots for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

5.15.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.15.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

5.16. Create a N2WS DR account

```
POST /api/aws/accounts/dr/
```

5.16.1. Description

This endpoint creates a new DR account.

Permissions and Restrictions:
* Cross-account authorization must be enabled in the license.
* Any authenticated user with 'allow_account_changes' can create new accounts for himself.
* Root user can also create a new account for a managed user.
* Only the root user and his delegates can create a new account with authentication of `IAM Role`.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can create a new account for his original user.
* All users are limited to the maximum number of allowed accounts according to the license.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

5.16.2. Parameters

Type	Name	Schema
Body	**data_aws_accounts_dr_create** *required*	data_aws_accounts_dr_create

data_aws_accounts_dr_create

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
allow_deleting_snapshots *optional*	Delete snapshots in the `DR` account.	boolean
assume_from_account *optional*	Account that will assume the role.	integer

Name	Description	Schema
authentication *required*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User) * R (CPM Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
aws_secret_key *optional*	AWS secret key - Part of AWS credentials.	string
cloud *optional*	Cloud name. **Allowed Enum Values** * aws (Amazon Web Services) * azure (Microsoft Azure)	enum (aws, azure)
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
role_name *optional*	Role name, not the full ARN of the role.	string
user *required*	ID of the owner user.	integer

5.16.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_accounts_dr_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_dr_create

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
allow_deleting_snapshots *optional*	Delete snapshots in the `DR` account.	boolean
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)

Name	Description	Schema
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
use_secured_dr_account *optional*	Whether the current account uses the Secured DR Account abilities.	boolean
user *optional*	ID of the owner user.	integer

5.16.4. Consumes

- `application/json`

5.16.5. Produces

- `application/json`

5.17. List N2WS DR accounts

```
GET /api/aws/accounts/dr/
```

5.17.1. Description

This endpoint returns a list of N2WS DR accounts.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own accounts.
* Root user can also get the accounts of the managed users.
* Delegates can get the accounts of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

5.17.2. Parameters

Type	Name	Description	Schema
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**name** *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * authentication * name * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * Name * AWS access key	string
Query	**user** *optional*	ID of the owner user.	string

5.17.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_accounts_dr_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_dr_list

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
allow_deleting_snapshots *optional*	Delete snapshots in the `DR` account.	boolean
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)

Name	Description	Schema
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
use_secured_dr_account *optional*	Whether the current account uses the Secured DR Account abilities.	boolean
user *optional*	ID of the owner user.	integer

5.17.4. Produces

- `application/json`

5.18. Retrieve a N2WS DR account

```
GET /api/aws/accounts/dr/{id}/
```

5.18.1. Description

This endpoint returns the N2WS DR account for the ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own accounts.
* Root user can also get the accounts of the managed users.
* Delegates can get the accounts of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

5.18.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.18.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_accounts_dr_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_accounts_dr_read

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
allow_deleting_snapshots *optional*	Delete snapshots in the `DR` account.	boolean

Name	Description	Schema
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
use_secured_dr_account *optional*	Whether the current account uses the Secured DR Account abilities.	boolean

Name	Description	Schema
user *optional*	ID of the owner user.	integer

5.18.4. Produces

- `application/json`

5.19. Update a N2WS DR account

```
PUT /api/aws/accounts/dr/{id}/
```

5.19.1. Description

This endpoint updates the N2WS DR account for the ID passed in the URL path.

Permissions and Restrictions:
* Cross-account authorization must be enabled in the license.
* Any authenticated user with `allow_account_changes` can update his own accounts.
* Root user can also update accounts for the managed users.
* Only the root user and his delegates can update accounts with authentication of `IAM Role`.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can update accounts for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

5.19.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_accounts_dr_update** *required*	data_aws_accounts_dr_update

data_aws_accounts_dr_update

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
allow_deleting_snapshots *optional*	Delete snapshots in the `DR` account.	boolean
assume_from_account *optional*	Account that will assume the role.	integer

Name	Description	Schema
authentication *required*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User) * R (CPM Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_secret_key *optional*	AWS secret key - Part of AWS credentials.	string
cloud *optional*	Cloud name. **Allowed Enum Values** * aws (Amazon Web Services) * azure (Microsoft Azure)	enum (aws, azure)
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
role_name *optional*	Role name, not the full ARN of the role.	string

5.19.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_accounts_dr_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_accounts_dr_update

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
allow_deleting_snapshots *optional*	Delete snapshots in the `DR` account.	boolean
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

Name	Description	Schema
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
use_secured_dr_account *optional*	Whether the current account uses the Secured DR Account abilities.	boolean
user *optional*	ID of the owner user.	integer

5.19.4. Consumes

- `application/json`

5.19.5. Produces

- `application/json`

5.20. Delete a N2WS DR account

```
DELETE /api/aws/accounts/dr/{id}/
```

5.20.1. Description

This endpoint deletes the N2WS DR account for the ID passed in the URL path. The snapshots associated with the deleted account will **not be deleted**.

Permissions and Restrictions:
* Any authenticated regular user can delete his own accounts.
* Root user can also delete accounts for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can delete the account for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

5.20.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.20.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

5.21. Check AWS permissions for selected DR account

```
GET /api/aws/accounts/dr/{id}/check_aws_permissions/
```

5.21.1. Description

This endpoint checks AWS permissions for this DR account.

Permissions and Restrictions:
* Any authenticated user can check his DR account AWS permissions.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

5.21.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.21.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_accounts_dr_check_aws_permissions > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_accounts_dr_check_aws_permissions

Name	Description	Schema
account_name *optional*	Account name for checking AWS permissions.	string
account_number *optional*	Account number for checking AWS permissions.	string
connection *optional*	Connection of the account for checking AWS permissions.	string
groups *optional*	Groups of the account for checking AWS permissions.	< object > array

5.21.4. Produces

- application/json

5.22. Download a CSV file containing the checking of AWS permissions for selected DR account

```
GET /api/aws/accounts/dr/{id}/check_aws_permissions/download/
```

5.22.1. Description

This endpoint downloads a CSV file containing the checking of AWS permissions for this DR account.

Permissions and Restrictions:
* Any authenticated user can check his DR account AWS permissions.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

5.22.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.22.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

5.22.4. Produces

- `text/csv`

5.23. Download a CSV format report containing results of the Secured DR Account check for a DR account.

```
GET /api/aws/accounts/dr/{id}/check_secured_dr_account_and_report/
```

5.23.1. Description

This endpoint downloads a CSV file containing the results of Secured DR Account permissions check for a DR account.

Permissions and Restrictions:
* Any authenticated user can download the Secured DR Account report for a DR account.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

5.23.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.23.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

5.23.4. Produces

- `text/csv`

5.24. Retrieve a N2WS DR account's vault data

```
GET /api/aws/accounts/dr/{id}/secured_dr_account/
```

5.24.1. Description

This endpoint returns the N2WS DR account's vault data for the ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his vault data.
* Root user can also get the vault data of the managed users.
* Delegates can get the DR accounts' vault data of their original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

5.24.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.24.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_accounts_dr_secured_dr_account_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_accounts_dr_secured_dr_account_read

Name	Description	Schema
check_secured_dr_account_periodically *optional*	Perform a periodical Secured DR Account check for this Account.	boolean

Name	Description	Schema
prohibited_permissions *optional*		< response_aws_accounts_dr_secured_dr_account_read_prohibited_permissions > array
use_secured_dr_account *optional*	Whether the current account uses the Secured DR Account abilities.	boolean

response_aws_accounts_dr_secured_dr_account_read_prohibited_permissions

Name	Description	Schema
active *optional*	Whether the prohibited permission is active or not.	boolean
name *optional*	Name of the prohibited permission.	string

5.24.4. Produces

- `application/json`

5.25. Update vault data of a N2WS DR account

```
PUT /api/aws/accounts/dr/{id}/secured_dr_account/
```

5.25.1. Description

This endpoint updates the vault data of a DR account for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user with `allow_account_changes` can update vault data.
* Root user can also update vault data for the managed users.
* Only the root user and his delegates can update vault data with authentication of `IAM Role`.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can update vault data for his original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

5.25.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_accounts_dr_secured_dr_account_update** *required*	data_aws_accounts_dr_secured_dr_account_update

data_aws_accounts_dr_secured_dr_account_update

Name	Description	Schema
check_secured_dr_account_periodically *optional*	Perform a periodical Secured DR Account check for this Account.	boolean
prohibited_permissions *required*		< data_aws_accounts_dr_secured_dr_account_update_prohibited_permissions > array

Name	Description	Schema
use_secured_dr_account *optional*	Whether the current account uses the Secured DR Account abilities.	boolean

data_aws_accounts_dr_secured_dr_account_update_prohibited_permissions

Name	Description	Schema
active *required*	Whether the prohibited permission is active or not.	boolean
name *required*	Name of the prohibited permission.	string

5.25.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_accounts_dr_secured_dr_account_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_accounts_dr_secured_dr_account_update

Name	Description	Schema
check_secured_dr_account_periodically *optional*	Perform a periodical Secured DR Account check for this Account.	boolean
prohibited_permissions *optional*		< response_aws_accounts_dr_secured_dr_account_update_prohibited_permissions > array
use_secured_dr_account *optional*	Whether the current account uses the Secured DR Account abilities.	boolean

response_aws_accounts_dr_secured_dr_account_update_prohibited_permissions

Name	Description	Schema
active *optional*	Whether the prohibited permission is active or not.	boolean
name *optional*	Name of the prohibited permission.	string

5.25.4. Consumes

- `application/json`

5.25.5. Produces

- `application/json`

5.26. Delete all snapshots of a N2WS DR account

```
DELETE /api/aws/accounts/dr/{id}/snapshots/
```

5.26.1. Description

This endpoint deletes all snapshots of the N2WS DR account whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshots.
* Root user can also delete snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can delete the snapshots for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

5.26.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.26.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

5.27. Retrieve a N2WS account

```
GET /api/aws/accounts/{id}/
```

5.27.1. Description

This endpoint returns the N2WS account for the ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own accounts.
* Root user can also get the accounts of the managed users.
* Delegates can get the accounts of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `2.2.0`

5.27.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.27.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_accounts_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_accounts_read

Name	Description	Schema
account_number *optional*	`12-digit` account for target account.	string
associated_repositories *optional*	List of the account`s associated repositories ID's.	< integer > array

Name	Description	Schema
assume_from_account *optional*	Account that will assume the role.	integer
authentication *optional*	N2WS supports 3 methods of authentication: `IAM User` - Authentication uses IAM credentials, access and secret keys. `N2WS instance IAM Role` - Only the root user or his delegates are allowed to use this IAM Role. `Assume Role` - Requires another AWS account already configured in N2WS. In order to use one account to access another, define a cross-account role in the target account and allow access from the first one. **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_cloud *optional*	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...). **Allowed Enum Values** * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
capture_vpcs *optional*	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
external_id *optional*	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_dr_account *optional*	Whether the current account is of type DR or regular backup.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*	List of the account`s related policies ID's.	< integer > array
role_name *optional*	Role name, not the full ARN of the role.	string
scan_regions *optional*	Region in which to scan resources. If not set, a `default` region will be applied.	< integer > array

Name	Description	Schema
scan_resource_types *optional*	Resource types to scan in selected regions. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
use_accurate_volume_usage *optional*	Whether the current account accurate volume usage is enabled.	boolean
user *optional*	ID of the owner user.	integer

5.27.4. Produces

- `application/json`

5.28. Delete a N2WS account

```
DELETE /api/aws/accounts/{id}/
```

5.28.1. Description

This endpoint deletes the N2WS account for the ID passed in the URL path. The snapshots associated with the deleted account will **not be deleted**.

Permissions and Restrictions:
* Any authenticated regular user can delete his own accounts.
* Root user can also delete accounts for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can delete the account for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

5.28.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.28.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

5.29. Delete all snapshots of a N2WS account

```
DELETE /api/aws/accounts/{id}/snapshots/
```

5.29.1. Description

This endpoint deletes all snapshots of the N2WS account whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshots.
* Root user can also delete snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can delete the snapshots for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

5.29.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

5.29.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Chapter 6. AWS Backups

6.1. List N2WS backup records

```
GET /api/aws/backups/
```

6.1.1. Description

This endpoint returns a list of N2WS backup records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own backups.
* Root user can also get the backup records of the managed users.
* Delegates can get the backup records of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.5.0`

6.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this backup is associated with.	string
Query	**dr_status** *optional*	Backup's DR status.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**is_freezer_item** *optional*	Whether this backup item was moved to freezer or not.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * dr_status * end_time * is_freezer_item * policy * s3_copy_status * start_time * status * user	string

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	Policy that the backup is associated with.	string
Query	**s3_copy_status** *optional*	Copy to S3 status (license dependent).	string
Query	**search** *optional*	Search term to look for in the fields: * name * description	string
Query	**search_by_aurora** *optional*	Return records of backups which targeted an Aurora cluster with an AWS ID or tag value which includes the given search term	string
Query	**search_by_dynamo_db** *optional*	Return records of backups which targeted a DynamoDB table with a name or tag value which includes the given search term	string
Query	**search_by_efs** *optional*	Return records of backups which targeted an Elastic File System with an AWS ID or tag value which includes the given search term	string
Query	**search_by_fsx** *optional*	Return records of backups which targeted an FSx with an AWS ID or Name-tag value which includes the given search term.	string
Query	**search_by_instance** *optional*	Return records of backups which targeted an instance with an AWS ID or tag value which includes the given search term	string
Query	**search_by_rds** *optional*	Return records of backups which targeted an RDS database with an AWS ID or tag value which includes the given search term	string
Query	**search_by_redshift** *optional*	Return records of backups which targeted a Redshift cluster with an AWS ID which includes the given search term	string
Query	**search_by_s3_sync** *optional*	Return records of backups which targeted an S3 bucket with a name which includes the given search term	string
Query	**search_by_volume** *optional*	Return records of backups which targeted a volume with an AWS ID or tag value which includes the given search term	string
Query	**start_time** *optional*	Backup's start time.	string

Type	Name	Description	Schema
Query	**status** *optional*	Backup's status.	string
Query	**tracker_id** *optional*	Tracker ID of backup record progress.	string
Query	**user** *optional*	ID of the owner user.	string

6.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_list

Name	Description	Schema
account *optional*	ID of the account this backup is associated with.	integer
cloud *optional*		string
description *optional*	Description for the resource.	string
dr_account_regions *optional*	Target regions in the DR account to copy to. Can be one or multiple regions.	string
dr_regions *optional*	DR region.	string
dr_status *optional*	Backup's DR status. **Allowed Enum Values** * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
end_time *optional*	Backup's end time.	string

Name	Description	Schema
glacier_archive_status *optional*	Status of the archive to Glacier.	response_aws_backups_list_glacier_archive_status
id *optional*	Unique ID of the resource in N2WS.	integer
is_backup_record_empty *optional*	Does this backup have snapshots?	boolean
is_freezer_item *optional*	Whether this backup item was moved to freezer or not.	boolean
is_recoverable *optional*	Can this backup be recovered.	boolean
is_retry *optional*	Whether this backup is a retry attempt or not.	boolean
marked_for_deletion *optional*	Whether this backup is marked for deletion or not.	boolean
move_to_freezer_enabled *optional*		boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
performed_quiecse *optional*	Whether quiesce was performed or not.	boolean
policy *optional*	Policy that the backup is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean
s3_copy_status *optional*	Copy to S3 status (license dependent).	response_aws_backups_list_s3_copy_status
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup's status. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Backup Successful) * A (Backup Partially Successful) * S (Not All Snapshots Succeeded) * D (All Snapshots Deleted) * F (Backup Failed) * M (Moved to storage repository) * G (Moved to archive within storage repository)	enum (I, P, B, A, S, D, F, M, G)
user *optional*	ID of the owner user.	integer

response_aws_backups_list_glacier_archive_status

Name	Description	Schema
progress_percent *optional*		string
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_list_s3_copy_status

Name	Description	Schema
progress_percent *optional*		integer

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.1.4. Produces

- `application/json`

6.2. Abort an on going backup copy to S3

```
POST /api/aws/backups/{backup_id}/copy_to_s3/abort/
```

6.2.1. Description

This endpoint aborts an on going backup copy to S3.

Permissions and Restrictions:
* Any authenticated user with change backup and copy to S3 permissions can run abort.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

6.2.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string

6.2.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

6.3. List the script logs of the selected backup record

```
GET /api/aws/backups/{backup_id}/script_logs/
```

6.3.1. Description

This endpoint returns a list of script logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

6.3.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

6.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_script_logs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_script_logs_list

Name	Description	Schema
log *optional*	Log the output the scripts related to a backup data.	string

Name	Description	Schema
title *optional*	Title of the log.	string

6.3.4. Produces

- `application/json`

6.4. Retrieve a script log of a backup record

```
GET /api/aws/backups/{backup_id}/script_logs/{id}/
```

6.4.1. Description

This endpoint returns the script log of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own script logs of backup record.
* Root user can also get the script logs of backup record of the managed users.
* Delegates can get the script logs of backup record of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

6.4.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_script_logs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_script_logs_read

Name	Description	Schema
log *optional*	Log the output the scripts related to a backup data.	string
title *optional*	Title of the log.	string

6.4.4. Produces

- `application/json`

6.5. List backup snapshots

```
GET /api/aws/backups/{backup_id}/snapshots/
```

6.5.1. Description

This endpoint returns a list of snapshot records.

Optional `filters` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user and his delegates can also get the snapshots of managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.6.0`

6.5.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string

6.5.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_read_0 > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_read_0

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Account Name	string

Name	Description	Schema
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean

6.5.4. Produces

- `application/json`

6.6. Delete all snapshots of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/
```

6.6.1. Description

This endpoint deletes all snapshots of the backup record whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete all his own snapshots.
* Root user can also delete all snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete all snapshots for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

6.6.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string

6.6.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.7. List the S3 copies of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/copy_to_s3/
```

6.7.1. Description

This endpoint returns a list of the S3 copies of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

6.7.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number

Type	Name	Description	Schema
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.7.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_copy_to_s3_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_copy_to_s3_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
archive_status *optional*	Status of snapshot's Archive operation, if performed.	string
aws_account_number *optional*	Associated account's AWS account number.	string
azure_repository_id *optional*	ID of the Azure Storage Account Repository where snapshot is stored.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
capacity *optional*	Capacity of the volume (Gib).	integer
deletion_time *optional*	Time of the snapshot's deletion.	string
device *optional*	Device of volume.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
encryption_key_alias *optional*	Alias for the snapshot's encryption key, relevant if encrypted.	string

Name	Description	Schema
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
repository_id *optional*	ID of the S3 Repository where snapshot is stored.	string
retrieve_expiration *optional*	If archived snapshot was retrieved backup to S3 in order to restrore, this is the retrieved data's expiration date.	string
retrieve_status *optional*	Status of archived snapshot's Retrieve operation, if performed.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	string
tags *optional*	Tags of the resource.	string
throughput *optional*	The throughput that the volume can support.	integer

Name	Description	Schema
tier *optional*	Current snapshot life-cycle tier. **Allowed Enum Values** * S (S3) * A (Archived)	enum (S, A)
type *optional*	Volume type.	string
username *optional*	Associated user's username.	string
zone *optional*	Volume zone.	string

6.7.4. Produces

- `application/json`

6.8. Retrieve a S3 copy of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/copy_to_s3/{id}/
```

6.8.1. Description

This endpoint returns the S3 copy of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of backup record.
* Root user can also get the snapshots of backup record of the managed users.
* Delegates can get the snapshots of backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

6.8.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_copy_to_s3_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_copy_to_s3_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
archive_status *optional*	Status of snapshot's Archive operation, if performed.	string
aws_account_number *optional*	Associated account's AWS account number.	string
azure_repository_id *optional*	ID of the Azure Storage Account Repository where snapshot is stored.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
capacity *optional*	Capacity of the volume (Gib).	integer
deletion_time *optional*	Time of the snapshot's deletion.	string
device *optional*	Device of volume.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
encryption_key_alias *optional*	Alias for the snapshot's encryption key, relevant if encrypted.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
repository_id *optional*	ID of the S3 Repository where snapshot is stored.	string

Name	Description	Schema
retrieve_expiration *optional*	If archived snapshot was retrieved backup to S3 in order to restrore, this is the retrieved data's expiration date.	string
retrieve_status *optional*	Status of archived snapshot's Retrieve operation, if performed.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	string
tags *optional*	Tags of the resource.	string
throughput *optional*	The throughput that the volume can support.	integer
tier *optional*	Current snapshot life-cycle tier. **Allowed Enum Values** * S (S3) * A (Archived)	enum (S, A)
type *optional*	Volume type.	string
username *optional*	Associated user's username.	string
zone *optional*	Volume zone.	string

6.8.4. Produces

- `application/json`

6.9. List the DocumentDB cluster snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/document_db_clusters/
```

6.9.1. Description

This endpoint returns a list of the DocumentDB cluster snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.9.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

6.9.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_document_db_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_document_db_clusters_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_protection *optional*	Protects DocumentDB cluster from being accidentally deleted.	boolean

Name	Description	Schema
deletion_time *optional*	Time of the snapshot's deletion.	string
edition *optional*	The DB edition of the DB cluster.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
parameter_group *optional*	DocumentDB DB Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
region *optional*	Snapshot's region ID.	string
security_groups *optional*	DocumentDB Security groups list .	< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup status.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user’s username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.9.4. Produces

- `application/json`

6.10. Retrieve a DocumentDB cluster snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/document_db_clusters/{id}/
```

6.10.1. Description

This endpoint returns the DocumentDB cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.10.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.10.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_document_db_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_document_db_clusters_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_protection *optional*	Protects DocumentDB cluster from being accidentally deleted.	boolean
deletion_time *optional*	Time of the snapshot's deletion.	string
edition *optional*	The DB edition of the DB cluster.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
parameter_group *optional*	DocumentDB DB Parameter group.	string
policy_name *optional*	Associated policy name.	string

Name	Description	Schema
port *optional*	Port number on which the database accepts connections.	integer
region *optional*	Snapshot's region ID.	string
security_groups *optional*	DocumentDB Security groups list .	< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.10.4. Produces

- `application/json`

6.11. Delete a DocumentDB cluster snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/document_db_clusters/{id}/
```

6.11.1. Description

This endpoint deletes the DocumentDB cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.11.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.11.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.12. Recover DocumentDB cluster from backup

```
POST
/api/aws/backups/{backup_id}/snapshots/document_db_clusters/{snapshot_record_id}/recover/
```

6.12.1. Description

This endpoint recovers the DocumentDB cluster of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/DOCUMENT_DB_CLUSTERS/`

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.12.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_document_db_clusters_recover_create** *required*	data_aws_backups_snapshots_document_db_clusters_recover_create

data_aws_backups_snapshots_document_db_clusters_recover_create

Name	Description	Schema
aws_resource_id *required*	New unique identifier of the restored resource.	string

Name	Description	Schema
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_document_db_clusters_recover_create_credentials
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
db_parameter_group *optional*	Parameter group to configure the recovered DocumentDB cluster, default as the original DocumentDB.	string
deletion_protection *optional*	Protects DocumentDB cluster from being accidentally deleted.	boolean
instance_type *optional*	Contains the compute and memory capacity of the DB Instance.	string
parameter_group *optional*	Parameter group to configure the recovered DocumentDB cluster, default as the original DocumentDB.	string
port *optional*	Port number on which the database accepts connections.	integer
security_groups *optional*	Security groups to configure the recovered DocumentDB, default as the original DocumentDB.	< string > array
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*	List of tags to add to the new resource.	string
to_account *optional*	Restore to account.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_document_db_clusters_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.12.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_document_db_clusters_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_document_db_clusters_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_document_db_clusters_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer

Name	Description	Schema
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_document_db_clusters_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

Name	Description	Schema
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_document_db_clusters_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_document_db_clusters_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.12.4. Consumes

- `application/json`

6.12.5. Produces

- application/json

6.13. List the DR DocumentDB cluster snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_document_db_clusters/
```

6.13.1. Description

This endpoint returns a list of the DR DocumentDB cluster snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.13.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.13.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dr_document_db_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dr_document_db_clusters_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_protection *optional*	Protects DocumentDB cluster from being accidentally deleted.	boolean
deletion_time *optional*	Time of the snapshot's deletion.	string

Name	Description	Schema
dr_account *optional*	ID of DR Account.	string
edition *optional*	The DB edition of the DB cluster.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
original_snapshot_id *optional*	ID of original snapshot.	string
parameter_group *optional*	DocumentDB DB Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
region *optional*	Snapshot's region ID.	string
security_groups *optional*	DocumentDB Security groups list .	< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string

Name	Description	Schema
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.13.4. Produces

- `application/json`

6.14. Retrieve a DR DocumentDB cluster snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_document_db_clusters/{id}/
```

6.14.1. Description

This endpoint returns the DR DocumentDB cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.14.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.14.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dr_document_db_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dr_document_db_clusters_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_protection *optional*	Protects DocumentDB cluster from being accidentally deleted.	boolean
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	ID of DR Account.	string
edition *optional*	The DB edition of the DB cluster.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
original_snapshot_id *optional*	ID of original snapshot.	string

Name	Description	Schema
parameter_group *optional*	DocumentDB DB Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
region *optional*	Snapshot's region ID.	string
security_groups *optional*	DocumentDB Security groups list .	< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.14.4. Produces

- `application/json`

6.15. Delete a DR DocumentDB cluster snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dr_document_db_clusters/{id}/
```

6.15.1. Description

This endpoint deletes the DR DocumentDB cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.15.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.15.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.16. Recover DR DocumentDB cluster from backup

```
POST
/api/aws/backups/{backup_id}/snapshots/dr_document_db_clusters/{snapshot_record_id}/recover/
```

6.16.1. Description

This endpoint recovers the DR DocumentDB cluster of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/dr_document_db_clusters/`

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.16.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_dr_document_db_clusters_recover_create** *required*	data_aws_backups_snapshots_dr_document_db_clusters_recover_create

data_aws_backups_snapshots_dr_document_db_clusters_recover_create

Name	Description	Schema
aws_resource_id *required*	New unique identifier of the restored resource.	string

Name	Description	Schema
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_dr_document_db_clusters_recover_create_credentials
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
db_parameter_group *optional*	Parameter group to configure the recovered DocumentDB cluster, default as the original DocumentDB.	string
deletion_protection *optional*	Protects DocumentDB cluster from being accidentally deleted.	boolean
instance_type *optional*	Contains the compute and memory capacity of the DB Instance.	string
parameter_group *optional*	Parameter group to configure the recovered DocumentDB cluster, default as the original DocumentDB.	string
port *optional*	Port number on which the database accepts connections.	integer
security_groups *optional*	Security groups to configure the recovered DocumentDB, default as the original DocumentDB.	< string > array
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*	List of tags to add to the new resource.	string
to_account *optional*	Restore to account.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_dr_document_db_clusters_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.16.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_dr_document_db_clusters_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_dr_document_db_clusters_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_dr_document_db_clusters_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer

Name	Description	Schema
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_dr_document_db_clusters_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

Name	Description	Schema
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_dr_document_db_clusters_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_dr_document_db_clusters_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.16.4. Consumes

- `application/json`

6.16.5. Produces

- application/json

6.17. List Elastic File System (EFS) DR backups of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_efs/
```

6.17.1. Description

This endpoint returns a list of the EFS DR backups (recovery points) of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own recovery points.
* Root user can also get the recovery points of the managed users.
* Delegates can get the recovery points of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `2.1.0`

6.17.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	None	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	None	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.17.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dr_efs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dr_efs_list

Name	Description	Schema
account_id *optional*		integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Elastic File System (EFS) ID	string
backed_up_resource_name *optional*	Time of the snapshot's deletion.	string
backup_iam_role_arn *optional*		string
backup_id *optional*	Backup's ID.	string
backup_vault_name *optional*		string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	ID of DR Account.	string

Name	Description	Schema
end_time *optional*	Snapshot's end time.	string
expire_time *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
move_to_cold_storage_time *optional*		string
original_aws_availability_zone *optional*	Original Elastic File System's availability zone (relevant for One Zone class)	string
original_kms_key_id *optional*		string
original_region *optional*	Original snapshot's AWS text region	string
original_snapshot_id *optional*		string
performance_mode *optional*		string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*		string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	AWS Backup recovery point ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string

6.17.4. Produces

- `application/json`

6.18. Retrieve an Elastic File System (EFS) DR backup of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_efs/{id}/
```

6.18.1. Description

This endpoint returns the EFS DR backup (recovery point) of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own recovery points of a backup record.
* Root user can also get the recovery points of a backup record of the managed users.
* Delegates can get the recovery points of a backup record of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `2.1.0`

6.18.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.18.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dr_efs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dr_efs_read

Name	Description	Schema
account_id *optional*		integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Elastic File System (EFS) ID	string
backed_up_resource_name *optional*	Time of the snapshot's deletion.	string
backup_iam_role_arn *optional*		string
backup_id *optional*	Backup's ID.	string
backup_vault_name *optional*		string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	ID of DR Account.	string
end_time *optional*	Snapshot's end time.	string
expire_time *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
move_to_cold_storage_time *optional*		string
original_aws_availability_zone *optional*	Original Elastic File System's availability zone (relevant for One Zone class)	string
original_kms_key_id *optional*		string
original_region *optional*	Original snapshot's AWS text region	string

Name	Description	Schema
original_snapshot_id *optional*		string
performance_mode *optional*		string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot’s region ID.	string
snapshot_account_id *optional*		string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	AWS Backup recovery point ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup’s start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user’s username.	string

6.18.4. Produces

- `application/json`

6.19. Delete an Elastic File System (EFS) DR backup of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dr_efs/{id}/
```

6.19.1. Description

This endpoint deletes the EFS DR backup (recovery point) of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own recovery point of a backup record.
* Root user can also delete a recovery point of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the recovery point of a backup record for his original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

6.19.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.19.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.20. Recover Elastic File System (EFS) from DR backup

```
POST /api/aws/backups/{backup_id}/snapshots/dr_efs/{snapshot_record_id}/recover/
```

6.20.1. Description

This endpoint recovers Elastic File System (EFS) of a DR backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own backups.
* Root user can also recover the backups of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the backups for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/dr_efs/`

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `2.1.0`

6.20.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_dr_efs_recover_create** *required*	data_aws_backups_snapshots_dr_efs_recover_create

data_aws_backups_snapshots_dr_efs_recover_create

Name	Description	Schema
aws_availability_zone *optional*	Availability zone (relevant for One Zone class)	string
credentials *optional*		data_aws_backups_snapshots_dr_efs_recover_create_credentials

Name	Description	Schema
cross_account_copy_iam_role_arn *optional*	Cross account copy IAM role ARN	string
encryption_key *optional*	Encryption key ARN (relevant when recovering to new EFS)	string
iam_role_arn *optional*	Recovery IAM role ARN	string
items_to_restore *optional*	List of up to five strings where each string is a file path. Use ItemsToRestore to restore specific files or directories rather than the entire file system.	< string > array
performance_mode *optional*	Performance mode option (relevant when recovering to new EFS) **Allowed Enum Values** * generalPurpose (General Purpose) * maxIO (Max I/O)	enum (generalPurpose, maxIO)
preserve_tags *optional*	Whether to associate the same tags to the recovered EFS (relevant when recovering to new EFS)	boolean
tags *optional*	List of tags to add to the new resource.	string
target_efs *optional*	Recovery target - new Elastic File System (EFS) or original **Allowed Enum Values** * N (New) * O (Original)	enum (N, O)
to_account *optional*	Restore to account.	string

data_aws_backups_snapshots_dr_efs_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.20.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_dr_efs_recover_create

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_dr_efs_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_dr_efs_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string

Name	Description	Schema
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_dr_efs_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_dr_efs_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_dr_efs_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.20.4. Consumes

- `application/json`

6.20.5. Produces

- `application/json`

6.21. List FSx File System DR backups of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_fsx/
```

6.21.1. Description

This endpoint returns a list of the FSx DR backups of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own backups.
* Root user can also get the backups of the managed users.
* Delegates can get the backups of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.21.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	None	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number

Type	Name	Description	Schema
Query	**resource** *optional*	None	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.21.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dr_fsx_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dr_fsx_list

Name	Description	Schema
account_id *optional*		integer
account_name *optional*	Associated account name.	string
active_directory_id *optional*		string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_security_group_ids *optional*		< string > array
aws_subnet_ids *optional*		< string > array
backed_up_resource_id *optional*	File System (FSX) ID	string
backed_up_resource_name *optional*	Time of the snapshot's deletion.	string
backup_iam_role_arn *optional*		string
backup_id *optional*	Backup's ID.	string
backup_vault_name *optional*		string
deletion_time *optional*	Time of the snapshot's deletion.	string

Name	Description	Schema
deployment_type *optional*		string
dr_account *optional*	ID of DR Account.	string
end_time *optional*	Snapshot's end time.	string
expire_time *optional*		string
file_system_type *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
move_to_cold_storage_time *optional*		string
original_aws_svms *optional*		object
original_kms_key_id *optional*		string
original_region *optional*	Original snapshot's AWS text region	string
original_snapshot_id *optional*		string
policy_name *optional*	Associated policy name.	string
preferred_subnet_id *optional*		string
region *optional*	Snapshot's region ID.	string
self_managed_admin_group *optional*		string
self_managed_domain_name *optional*		string
self_managed_ip_addresses *optional*		< string > array

Name	Description	Schema
self_managed_organizational_unit_distinguished_name *optional*		string
self_managed_user_name *optional*		string
snapshot_account_id *optional*		string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	AWS FSx Backup ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
storage_type *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
throughput_capacity *optional*		string
username *optional*	Associated user's username.	string
using_awsbackup_service *optional*		boolean

6.21.4. Produces

- `application/json`

6.22. Retrieve an FSx File System DR backup of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_fsx/{id}/
```

6.22.1. Description

This endpoint returns the FSx DR backup of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own backups of a backup record.
* Root user can also get the backups of a backup record of the managed users.
* Delegates can get the backups of a backup record of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.22.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.22.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dr_fsx_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dr_fsx_read

Name	Description	Schema
account_id *optional*		integer

Name	Description	Schema
account_name *optional*	Associated account name.	string
active_directory_id *optional*		string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_security_group_ids *optional*		< string > array
aws_subnet_ids *optional*		< string > array
backed_up_resource_id *optional*	File System (FSX) ID	string
backed_up_resource_name *optional*	Time of the snapshot's deletion.	string
backup_iam_role_arn *optional*		string
backup_id *optional*	Backup's ID.	string
backup_vault_name *optional*		string
deletion_time *optional*	Time of the snapshot's deletion.	string
deployment_type *optional*		string
dr_account *optional*	ID of DR Account.	string
end_time *optional*	Snapshot's end time.	string
expire_time *optional*		string
file_system_type *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string

Name	Description	Schema
move_to_cold_storage_time *optional*		string
original_aws_svms *optional*		object
original_kms_key_id *optional*		string
original_region *optional*	Original snapshot's AWS text region	string
original_snapshot_id *optional*		string
policy_name *optional*	Associated policy name.	string
preferred_subnet_id *optional*		string
region *optional*	Snapshot's region ID.	string
self_managed_admin_group *optional*		string
self_managed_domain_name *optional*		string
self_managed_ip_addresses *optional*		< string > array
self_managed_organizational_unit_distinguished_name *optional*		string
self_managed_user_name *optional*		string
snapshot_account_id *optional*		string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	AWS FSx Backup ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup status.	string
storage_type *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
throughput_capacity *optional*		string
username *optional*	Associated user's username.	string
using_awsbackup_service *optional*		boolean

6.22.4. Produces

- `application/json`

6.23. Delete an FSx File System DR backup of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dr_fsx/{id}/
```

6.23.1. Description

This endpoint deletes the FSx DR backup of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own backup of a backup record.
* Root user can also delete a backup of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the backup of a backup record for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.23.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.23.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.24. Recover FSx File System from DR backup

```
POST /api/aws/backups/{backup_id}/snapshots/dr_fsx/{snapshot_record_id}/recover/
```

6.24.1. Description

This endpoint recovers FSx File System of a DR backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own backups.
* Root user can also recover the backups of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the backups for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/dr_fsx/`

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.24.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_dr_fsx_recover_create** *required*	data_aws_backups_snapshots_dr_fsx_recover_create

data_aws_backups_snapshots_dr_fsx_recover_create

Name	Description	Schema
active_directory_id *optional*	For Windows - Active Directory Id value for recovered FSx, default as the original FSx.	string
aws_security_group_ids *optional*	Security groups to configure the recovered FSx, default as the original FSx.	< string > array
aws_subnet_ids *optional*	Subnets to configure the recovered FSx, default as the original FSx.	< string > array

Name	Description	Schema
credentials *optional*		data_aws_backups_snapshots_dr_fsx_recover_create_credentials
cross_account_copy_iam_role_arn *optional*	Cross account copy IAM role ARN	string
fsx_admin_password *optional*	FSx administrative password.	string
fsx_name_tag *optional*	FSx name	string
fsx_svms *optional*	FSx SVMs to recover.	< data_aws_backups_snapshots_dr_fsx_recover_create_fsx_svms > array
fsx_volumes *optional*	FSx volumes to recover.	< data_aws_backups_snapshots_dr_fsx_recover_create_fsx_volumes > array
preferred_subnet_id *optional*	For Windows - Preferred subnet ID for recovered FSx, default as the original FSx.	string
preserve_tags *optional*	Whether to associate the same tags to the recovered FSx.	boolean
self_managed_ad *optional*	For Windows - self managed Active Directory configuration parameters.	data_aws_backups_snapshots_dr_fsx_recover_create_self_managed_ad
tags *optional*	List of tags to add to the new resource.	string

Name	Description	Schema
throughput_capacity *optional*	For Windows - Throuput capacity for recovered FSx, default as the original FSx. **Allowed Enum Values** * 8 (8 MB/s) * 16 (16 MB/s) * 32 (32 MB/s) * 64 (64 MB/s) * 128 (128 MB/s) * 256 (256 MB/s) * 512 (512 MB/s) * 1024 (1024 MB/s) * 2048 (2048 MB/s)	enum (8, 16, 32, 64, 128, 256, 512, 1024, 2048)
to_account *optional*	Restore to account.	string
volumes_only_recovery *optional*	'Volumes Only' recovery flag	boolean

data_aws_backups_snapshots_dr_fsx_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

data_aws_backups_snapshots_dr_fsx_recover_create_fsx_svms

Name	Description	Schema
aws_fsx_svm_id *optional*	FSx SVM ID.	string
fsx_admin_password *optional*	FSx SVM administrative password.	string
fsx_name_tag *optional*	FSx SVM name.	string
fsx_volumes *optional*	FSx volumes to recover.	< object > array
preserve_tags *optional*		boolean
self_managed_ad *optional*	Self managed Active Directory configuration parameters.	object

Name	Description	Schema
tags *optional*	List of tags to add to the new resource.	string

data_aws_backups_snapshots_dr_fsx_recover_create_fsx_volumes

Name	Description	Schema
aws_fsx_volume_id *optional*	FSx Volume ID.	string
existing_aws_svm_id *optional*	Existing FSx SVM ID.	string
fsx_name_tag *optional*	FSx Volume name.	string
preserve_tags *optional*		boolean
tags *optional*		string

data_aws_backups_snapshots_dr_fsx_recover_create_self_managed_ad

Name	Description	Schema
admin_group *optional*	For Windows - File system administrators group.	string
domain_name *optional*	For Windows - Domain nane.	string
ip_addresses *required*	For Windows - List of DNS IPs.	< string > array
organizational_unit_distinguished_name *optional*	For Windows - Self managed Active Directory organizational unit distinguished name.	string
password *optional*	For Windows - Self managed Active Directory password.	string
user_name *optional*	For Windows - User name.	string

6.24.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_dr_fsx_recover_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_dr_fsx_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_dr_fsx_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string

Name	Description	Schema
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_dr_fsx_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_dr_fsx_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_dr_fsx_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.24.4. Consumes

- `application/json`

6.24.5. Produces

- `application/json`

6.25. List the DR `Initial AMI` snapshots of a given backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_initial_amis/
```

6.25.1. Description

This endpoint returns a list of the DR `Initial AMI` snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own AMIs.
* Root user can also get the AMIs of the managed users.
* Delegates can get the AMIs of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

6.25.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**resource** *optional*	A full or partial resource ID to search by.	string

6.25.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dr_initial_amis_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dr_initial_amis_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Account Name	string
ami_account_id *optional*		integer
ami_account_name *optional*	Account Name	string
ami_aws_account_number *optional*	AWS Account Number	string
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	Name of the DR account this snapshot is associated with.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_image_id *optional*	Initial AMI ID.	string
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
status *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean
tags *optional*	Resource's tags.	string

6.25.4. Produces

- `application/json`

6.26. Retrieve a DR `Initial AMI` snapshot of a given backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_initial_amis/{id}/
```

6.26.1. Description

This endpoint returns the DR `Intial AMI` snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own AMIs.
* Root user can also get the AMIs of the managed users.
* Delegates can get the AMIs of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

6.26.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.26.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dr_initial_amis_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dr_initial_amis_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer

Name	Description	Schema
account_name *optional*	Account Name	string
ami_account_id *optional*		integer
ami_account_name *optional*	Account Name	string
ami_aws_account_number *optional*	AWS Account Number	string
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	Name of the DR account this snapshot is associated with.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_image_id *optional*	Initial AMI ID.	string
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
status *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean
tags *optional*	Resource's tags.	string

6.26.4. Produces

- `application/json`

6.27. Delete the `Initial AMI` snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dr_initial_amis/{id}/
```

6.27.1. Description

This endpoint deletes the `Initial AMI` snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own AMI.
* Root user can also delete AMI for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the AMI for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.27.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.27.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.28. List the DR RDS cluster snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_rds_clusters/
```

6.28.1. Description

This endpoint returns a list of the DR RDS cluster snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.1.0`

6.28.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.28.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dr_rds_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dr_rds_clusters_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	ID of DR Account.	string
edition *optional*	The DB edition of the DB cluster.	string

Name	Description	Schema
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_mode *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
original_snapshot_id *optional*	ID of original snapshot.	string
parameter_group *optional*	RDS DB Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
region *optional*	Snapshot's region ID.	string
security_groups *optional*	RDS Security groups list .	< string > array
serverless_auto_pause *optional*		boolean
serverless_max_capacity *optional*		integer
serverless_min_capacity *optional*		integer
serverless_seconds_until_auto_pause *optional*		integer
serverless_timeout_action *optional*		string

Name	Description	Schema
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.28.4. Produces

- `application/json`

6.29. Retrieve a DR RDS cluster snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_rds_clusters/{id}/
```

6.29.1. Description

This endpoint returns the DR RDS cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.1.0`

6.29.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.29.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dr_rds_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dr_rds_clusters_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer

Name	Description	Schema
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	ID of DR Account.	string
edition *optional*	The DB edition of the DB cluster.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_mode *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
original_snapshot_id *optional*	ID of original snapshot.	string
parameter_group *optional*	RDS DB Parameter group.	string

Name	Description	Schema
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
region *optional*	Snapshot's region ID.	string
security_groups *optional*	RDS Security groups list .	< string > array
serverless_auto_pause *optional*		boolean
serverless_max_capacity *optional*		integer
serverless_min_capacity *optional*		integer
serverless_seconds_until_auto_pause *optional*		integer
serverless_timeout_action *optional*		string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean

Name	Description	Schema
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.29.4. Produces

- `application/json`

6.30. Delete a DR RDS cluster snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dr_rds_clusters/{id}/
```

6.30.1. Description

This endpoint deletes the DR RDS cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.30.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.30.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.31. Recover DR RDS cluster from backup

```
POST /api/aws/backups/{backup_id}/snapshots/dr_rds_clusters/{snapshot_record_id}/recover/
```

6.31.1. Description

This endpoint recovers the DR RDS cluster of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/dr_rds_clusters/`

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.1.0`

6.31.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_dr_rds_clusters_recover_create** *required*	data_aws_backups_snapshots_dr_rds_clusters_recover_create

data_aws_backups_snapshots_dr_rds_clusters_recover_create

Name	Description	Schema
aws_dbinstance_id *optional*	New unique identifier of the restored RDS DB instance resource.	string
aws_resource_id *required*	New unique identifier of the restored resource.	string

Name	Description	Schema
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_dr_rds_clusters_recover_create_credentials
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
db_parameter_group *optional*	Parameter group to configure the recovered RDS DB of RDS cluster, default as the original RDS.	string
engine_mode *optional*	The DB engine mode of the DB cluster.	string
instance_type *optional*	Contains the compute and memory capacity of the DB Instance.	string
parameter_group *optional*	Parameter group to configure the recovered RDS cluster, default as the original RDS.	string
security_groups *optional*	Security groups to configure the recovered RDS, default as the original RDS.	< string > array
serverless_auto_pause *optional*	A value that indicates whether to allow or disallow automatic pause for an Aurora DB cluster in serverless DB engine mode. A DB cluster can be paused only when it's idle (it has no connections).	boolean
serverless_max_capacity *optional*	The maximum capacity for an Aurora DB cluster in serverless DB engine mode. **Allowed Enum Values** * 1 (2GiB RAM) * 2 (4GiB RAM) * 4 (8GiB RAM) * 8 (16GiB RAM) * 16 (32GiB RAM) * 32 (64GiB RAM) * 64 (122GiB RAM) * 128 (244GiB RAM) * 256 (488GiB RAM)	enum (1, 2, 4, 8, 16, 32, 64, 128, 256)

Name	Description	Schema
serverless_min_capacity *optional*	The minimum capacity for an Aurora DB cluster in serverless DB engine mode. **Allowed Enum Values** * 1 (2GiB RAM) * 2 (4GiB RAM) * 4 (8GiB RAM) * 8 (16GiB RAM) * 16 (32GiB RAM) * 32 (64GiB RAM) * 64 (122GiB RAM) * 128 (244GiB RAM) * 256 (488GiB RAM)	enum (1, 2, 4, 8, 16, 32, 64, 128, 256)
serverless_seconds_until_auto_pause *optional*	The time, in seconds, before an Aurora DB cluster in serverless mode is paused.	integer
serverless_timeout_action *optional*	The action to take when the timeout is reached, either ForceApplyCapacityChange or RollbackCapacityChange. **Allowed Enum Values** * RollbackCapacityChange (The default, ignores the capacity change if a scaling point isn't found in the timeout period.) * ForceApplyCapacityChange (Sets the capacity to the specified value as soon as possible.)	enum (RollbackCapacityChange, ForceApplyCapacityChange)
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*	List of tags to add to the new resource.	string
to_account *optional*	Restore to account.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_dr_rds_clusters_recover_create_credentials

Name	Schema
aws_access_key *optional*	string

Name	Schema
aws_secret_key *optional*	string

6.31.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_dr_rds_clusters_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_dr_rds_clusters_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_dr_rds_clusters_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string

Name	Description	Schema
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_dr_rds_clusters_recover_create_s3_recover_status

Name	Description	Schema
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_dr_rds_clusters_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_dr_rds_clusters_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.31.4. Consumes

- `application/json`

6.31.5. Produces

- `application/json`

6.32. List the DR RDS snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_rds_databases/
```

6.32.1. Description

This endpoint returns a list of the DR RDS snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

6.32.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number

Type	Name	Description	Schema
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.32.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dr_rds_databases_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dr_rds_databases_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	ID of DR Account.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
original_snapshot_id *optional*	ID of original snapshot.	string
parameter_group *optional*	RDS Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
region *optional*	Snapshot's region ID.	string
security_groups *optional*	RDS Security groups list .	< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string

Name	Description	Schema
storage_type *optional*	Storage type.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
throughput *optional*	The throughput that the storage can support.	integer
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.32.4. Produces

- `application/json`

6.33. Retrieve a DR RDS snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_rds_databases/{id}/
```

6.33.1. Description

This endpoint returns the DR RDS snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

6.33.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.33.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dr_rds_databases_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dr_rds_databases_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	ID of DR Account.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
original_snapshot_id *optional*	ID of original snapshot.	string
parameter_group *optional*	RDS Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer

Name	Description	Schema
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
region *optional*	Snapshot's region ID.	string
security_groups *optional*	RDS Security groups list .	< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
storage_type *optional*	Storage type.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
throughput *optional*	The throughput that the storage can support.	integer
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.33.4. Produces

- `application/json`

6.34. Delete a DR RDS snapshot of backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dr_rds_databases/{id}/
```

6.34.1. Description

This endpoint deletes the DR RDS snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.34.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.34.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.35. Recover DR RDS databases from backup

```
POST /api/aws/backups/{backup_id}/snapshots/dr_rds_databases/{snapshot_record_id}/recover/
```

6.35.1. Description

This endpoint recovers the DR RDS databases of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/dr_rds_databases/`

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

6.35.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_dr_rds_databases_recover_create** *required*	data_aws_backups_snapshots_dr_rds_databases_recover_create

data_aws_backups_snapshots_dr_rds_databases_recover_create

Name	Description	Schema
aws_resource_id *required*	New unique identifier of the restored resource.	string
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_dr_rds_databases_recover_create_credentials

Name	Description	Schema
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
parameter_group *optional*	Parameter group to configure the recovered RDS, default as the original RDS.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
security_groups *optional*	Security groups to configure the recovered RDS, default as the original RDS.	< string > array
storage_type *optional*	Storage type. If type is not 'io1' or 'io2' or 'gp3', iops = 0 **Allowed Enum Values** * standard (Magnetic) * io1 (Provisioned IOPS SSD (io1)) * io2 (Provisioned IOPS SSD (io2)) * gp2 (General Purpose SSD (gp2)) * gp3 (General Purpose SSD (gp3))	enum (standard, io1, io2, gp2, gp3)
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*	List of tags to add to the new resource.	string
throughput *optional*	The throughput that the storage can support.	integer
to_account *optional*	Restore to account.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_dr_rds_databases_recover_create_credentials

Name	Schema
aws_access_key *optional*	string

Name	Schema
aws_secret_key *optional*	string

6.35.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_dr_rds_databases_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_dr_rds_databases_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_dr_rds_databases_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string

Name	Description	Schema
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_dr_rds_databases_recover_create_s3_recover_status

Name	Description	Schema
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_dr_rds_databases_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_dr_rds_databases_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.35.4. Consumes

- `application/json`

6.35.5. Produces

- `application/json`

6.36. List the DR Redshift cluster snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_redshift_clusters/
```

6.36.1. Description

This endpoint returns a list of the DR Redshift cluster snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.36.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	None	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	None	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.36.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dr_redshift_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dr_redshift_clusters_list

Name	Description	Schema
account_id *optional*		integer
account_name *optional*		string
aws_account_number *optional*		string
aws_node_type *optional*		string
aws_nodes *optional*		integer
backed_up_resource_id *optional*		string
backed_up_resource_name *optional*		string
backup_id *optional*		string
cluster_id *optional*		string
deletion_time *optional*		string

Name	Description	Schema
dr_account *optional*		string
end_time *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*		string
instance_name *optional*		string
original_snapshot_id *optional*		string
policy_name *optional*		string
port *optional*		integer
publicly_accessible *optional*		boolean
region *optional*		string
snapshot_account_id *optional*		integer
snapshot_account_name *optional*		string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*		string
snapshot_type *optional*		string
start_time *optional*		string
status *optional*		string
subnet_group_name *optional*		string
succeeded *optional*		boolean

Name	Description	Schema
tags *optional*		string
username *optional*	Name of the owner user.	string
zone *optional*		string

6.36.4. Produces

- `application/json`

6.37. Retrieve a DR Redshift cluster snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_redshift_clusters/{id}/
```

6.37.1. Description

This endpoint returns the DR Redshift cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.37.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.37.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dr_redshift_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dr_redshift_clusters_read

Name	Description	Schema
account_id *optional*		integer
account_name *optional*		string
aws_account_number *optional*		string
aws_node_type *optional*		string
aws_nodes *optional*		integer
backed_up_resource_id *optional*		string
backed_up_resource_name *optional*		string
backup_id *optional*		string
cluster_id *optional*		string
deletion_time *optional*		string
dr_account *optional*		string
end_time *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*		string
instance_name *optional*		string
original_snapshot_id *optional*		string
policy_name *optional*		string
port *optional*		integer
publicly_accessible *optional*		boolean

Name	Description	Schema
region *optional*		string
snapshot_account_id *optional*		integer
snapshot_account_name *optional*		string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*		string
snapshot_type *optional*		string
start_time *optional*		string
status *optional*		string
subnet_group_name *optional*		string
succeeded *optional*		boolean
tags *optional*		string
username *optional*	Name of the owner user.	string
zone *optional*		string

6.37.4. Produces

- `application/json`

6.38. Delete a DR Redshift cluster snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dr_redshift_clusters/{id}/
```

6.38.1. Description

This endpoint deletes the DR Redshift cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a Redshift snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.38.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.38.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.39. Recover DR Redshift cluster from backup

```
POST
/api/aws/backups/{backup_id}/snapshots/dr_redshift_clusters/{snapshot_record_id}/recover/
```

6.39.1. Description

This endpoint recovers the DR Redshift cluster of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/dr_redshift_clusters/`

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

6.39.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_dr_redshift_clusters_recover_create** *required*	data_aws_backups_snapshots_dr_redshift_clusters_recover_create

data_aws_backups_snapshots_dr_redshift_clusters_recover_create

Name	Description	Schema
aws_resource_id *required*	New unique identifier of the restored resource.	string

Name	Description	Schema
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_dr_redshift_clusters_recover_create_credentials
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*	List of tags to add to the new resource.	string
to_account *optional*	Restore to account.	string
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_dr_redshift_clusters_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.39.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_dr_redshift_clusters_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_dr_redshift_clusters_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_dr_redshift_clusters_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string

Name	Description	Schema
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_dr_redshift_clusters_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_dr_redshift_clusters_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_dr_redshift_clusters_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.39.4. Consumes

- `application/json`

6.39.5. Produces

- `application/json`

6.40. List the DR volume snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_volumes/
```

6.40.1. Description

This endpoint returns a list of DR volume snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

6.40.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number

Type	Name	Description	Schema
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.40.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dr_volumes_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dr_volumes_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
capacity *optional*		integer
deletion_time *optional*	Time of the snapshot's deletion.	string
device *optional*		string
dr_account *optional*		string
encrypted *optional*		boolean
end_time *optional*	Snapshot's end time.	string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*		integer
original_snap *optional*		string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the volume.	string
throughput *optional*		integer
type *optional*		string
username *optional*	Associated user's username.	string

Name	Description	Schema
zone *optional*		string

6.40.4. Produces

- `application/json`

6.41. Retrieve a DR volume snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dr_volumes/{id}/
```

6.41.1. Description

This endpoint returns the DR volume snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

6.41.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.41.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dr_volumes_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dr_volumes_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
capacity *optional*		integer
deletion_time *optional*	Time of the snapshot's deletion.	string
device *optional*		string
dr_account *optional*		string
encrypted *optional*		boolean
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*		integer
original_snap *optional*		string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string

Name	Description	Schema
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the volume.	string
throughput *optional*		integer
type *optional*		string
username *optional*	Associated user's username.	string
zone *optional*		string

6.41.4. Produces

- `application/json`

6.42. Delete a DR volume snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dr_volumes/{id}/
```

6.42.1. Description

This endpoint deletes the DR volume snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.42.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.42.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.43. Recover DR volume from backup

```
POST /api/aws/backups/{backup_id}/snapshots/dr_volumes/{snapshot_record_id}/recover/
```

6.43.1. Description

This endpoint recovers the DR volume of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/dr_volumes/`

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

6.43.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_dr_volumes_recover_create** *required*	data_aws_backups_snapshots_dr_volumes_recover_create

data_aws_backups_snapshots_dr_volumes_recover_create

Name	Description	Schema
attach_behaviour *optional*	**Allowed Enum Values** * attach_free (Attach only if Device is Free.) * switch_no_delete (Switch Attached Volumes.) * switch_and_delete (Switch Attached Volumes and Delete Old Ones.)	enum (attach_free, switch_no_delete, switch_and_delete)

Name	Description	Schema
attach_to *optional*	AWS instance ID to attach the newly recovered volume.	string
aws_resource_type *optional*	Type of the EBS volume.	string
capacity *optional*	Capacity of a volume.	integer
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_dr_volumes_recover_create_credentials
device *optional*	Which device it will be attached as. This is only used if you choose to automatically attach the recovered volume to an instance.	string
iops *optional*	Number of IOPS.	integer
preserve_tags *optional*	Whether to associate the same tags (like the volume's name) to the recovered volume. Default is true.	boolean
tags *optional*		string
throughput *optional*	The throughput that the volume can support.	integer
to_account *optional*	Restore to account.	integer
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_dr_volumes_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.43.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_dr_volumes_recover_create

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_dr_volumes_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_dr_volumes_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string

Name	Description	Schema
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_dr_volumes_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_dr_volumes_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_dr_volumes_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.43.4. Consumes

- `application/json`

6.43.5. Produces

- `application/json`

6.44. List the DynamoDB table snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dynamodb_tables/
```

6.44.1. Description

This endpoint returns a list of the DynamoDB table snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

6.44.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	string
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

6.44.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_dynamodb_tables_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_dynamodb_tables_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string

6.44.4. Produces

- `application/json`

6.45. Retrieve a DynamoDB table snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/dynamodb_tables/{id}/
```

6.45.1. Description

This endpoint returns the DynamoDB table snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

6.45.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.45.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_dynamodb_tables_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_dynamodb_tables_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string

6.45.4. Produces

- `application/json`

6.46. Delete a DynamoDB table snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/dynamodb_tables/{id}/
```

6.46.1. Description

This endpoint deletes the DynamoDB table snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.46.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.46.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.47. Recover DynamoDB table from backup

```
POST /api/aws/backups/{backup_id}/snapshots/dynamodb_tables/{snapshot_record_id}/recover/
```

6.47.1. Description

This endpoint recovers the DynamoDB table of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/dynamodb_tables/`

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

6.47.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_dynamodb_tables_recover_create** *required*	data_aws_backups_snapshots_dynamodb_tables_recover_create

data_aws_backups_snapshots_dynamodb_tables_recover_create

Name	Description	Schema
aws_resource_name *required*	New resource name of the restored resource.	string
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_dynamodb_tables_recover_create_credentials

Name	Description	Schema
tags *optional*	List of tags to add to the new resource.	string

data_aws_backups_snapshots_dynamodb_tables_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.47.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_dynamodb_tables_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_dynamodb_tables_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string

Name	Description	Schema
glacier_retrieve_status *optional*		response_aws_backups_snapshots_dynamodb_tables_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string

Name	Description	Schema
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_dynamodb_tables_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_dynamodb_tables_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_dynamodb_tables_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.47.4. Consumes

- `application/json`

6.47.5. Produces

- `application/json`

6.48. List Elastic File System (EFS) backups of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/efs/
```

6.48.1. Description

This endpoint returns a list of the EFS backups (recovery points) of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own recovery points.
* Root user can also get the recovery points of the managed users.
* Delegates can get the recovery points of their original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.4.0`

6.48.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

6.48.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_efs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_efs_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_availability_zone *optional*	Backed-up Elastic File System's availability zone (relevant for One Zone class)	string
backed_up_resource_id *optional*	Elastic File System (EFS) ID	string
backed_up_resource_name *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_id *optional*	Backup's ID.	string
backup_vault_name *optional*	AWS Backup vault name	string

Name	Description	Schema
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
expire_time *optional*	AWS Backup recovery point expiration time (if defined)	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
move_to_cold_storage_time *optional*	AWS Backup recovery point transition to cold storage time (if defined)	string
original_kms_key_id *optional*	Backed-up Elastic File System's encryption key ID	string
performance_mode *optional*	Performance mode option	string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	AWS Backup recovery point ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean

Name	Description	Schema
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string

6.48.4. Produces

- `application/json`

6.49. Retrieve an Elastic File System (EFS) backup of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/efs/{id}/
```

6.49.1. Description

This endpoint returns the EFS backup (recovery point) of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own recovery points of a backup record.
* Root user can also get the recovery points of a backup record of the managed users.
* Delegates can get the recovery points of a backup record of their original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.4.0`

6.49.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.49.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_efs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_efs_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_availability_zone *optional*	Backed-up Elastic File System's availability zone (relevant for One Zone class)	string
backed_up_resource_id *optional*	Elastic File System (EFS) ID	string
backed_up_resource_name *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_id *optional*	Backup's ID.	string
backup_vault_name *optional*	AWS Backup vault name	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
expire_time *optional*	AWS Backup recovery point expiration time (if defined)	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
move_to_cold_storage_time *optional*	AWS Backup recovery point transition to cold storage time (if defined)	string
original_kms_key_id *optional*	Backed-up Elastic File System's encryption key ID	string
performance_mode *optional*	Performance mode option	string
policy_name *optional*	Associated policy name.	string

Name	Description	Schema
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	AWS Backup recovery point ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string

6.49.4. Produces

- `application/json`

6.50. Delete an Elastic File System (EFS) backup of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/efs/{id}/
```

6.50.1. Description

This endpoint deletes the EFS backup (recovery point) of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own recovery point of a backup record.
* Root user can also delete a recovery point of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the recovery point of a backup record for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

6.50.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.50.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.51. Recover Elastic File System (EFS) from backup

```
POST /api/aws/backups/{backup_id}/snapshots/efs/{snapshot_record_id}/recover/
```

6.51.1. Description

This endpoint recovers Elastic File System (EFS) of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own backups.
* Root user can also recover the backups of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the backups for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/efs/`

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.1.0`

6.51.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_efs_recover_create** *required*	data_aws_backups_snapshots_efs_recover_create

data_aws_backups_snapshots_efs_recover_create

Name	Description	Schema
aws_availability_zone *optional*	Availability zone (relevant for One Zone class)	string
credentials *optional*		data_aws_backups_snapshots_efs_recover_create_credentials

Name	Description	Schema
cross_account_copy_iam_role_arn *optional*	Cross account copy IAM role ARN	string
encryption_key *optional*	Encryption key ARN (relevant when recovering to new EFS)	string
iam_role_arn *optional*	Recovery IAM role ARN	string
items_to_restore *optional*	List of up to five strings where each string is a file path. Use ItemsToRestore to restore specific files or directories rather than the entire file system.	< string > array
performance_mode *optional*	Performance mode option (relevant when recovering to new EFS) **Allowed Enum Values** * generalPurpose (General Purpose) * maxIO (Max I/O)	enum (generalPurpose, maxIO)
preserve_tags *optional*	Whether to associate the same tags to the recovered EFS (relevant when recovering to new EFS)	boolean
tags *optional*	List of tags to add to the new resource.	string
target_efs *optional*	Recovery target - new Elastic File System (EFS) or original **Allowed Enum Values** * N (New) * O (Original)	enum (N, O)
to_account *optional*	Restore to account.	string

data_aws_backups_snapshots_efs_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.51.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_efs_recover_create

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_efs_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_efs_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string

Name	Description	Schema
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_efs_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_efs_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_efs_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.51.4. Consumes

- `application/json`

6.51.5. Produces

- `application/json`

6.52. List File System (FSx) volume backups of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/fsx_volumes/
```

6.52.1. Description

This endpoint returns a list of the FSx volume backups of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own FSx volume backups.
* Root user can also get the FSx volume backups of the managed users.
* Delegates can get the FSx volume backups of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.52.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_fsx_id** *optional*	File System (FSX) ID	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**file_system_type** *optional*	FSx file system type.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string

Type	Name	Description	Schema
Query	**fsx_backup_recordaws_fsx_id** optional__	None	string
Query	**fsx_backup_recordfile_system_type** optional__	None	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.52.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_fsx_volumes_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_fsx_volumes_list

Name	Description	Schema
account_id *optional*		integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_fsx_id *optional*	File System (FSX) ID	string

Name	Description	Schema
backed_up_resource_id *optional*	File System (FSx) Volume ID	string
backed_up_resource_name *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
backup_id *optional*	Backup's ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
file_system_type *optional*	FSx file system type.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
original_aws_svm_id *optional*	Original SVM AWS ID.	string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*		string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	Associated account's AWS account number.	string
snapshot_id *optional*	AWS FSx Volume Backup ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string

Name	Description	Schema
storage_type *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
username *optional*	Name of the owner user.	string

6.52.4. Produces

- `application/json`

6.53. Retrieve an File System (FSx) volume backup of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/fsx_volumes/{id}/
```

6.53.1. Description

This endpoint returns the FSx volume backup of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own FSx volume backups of a backup record.
* Root user can also get the FSx volume backups of a backup record of the managed users.
* Delegates can get the FSx volume backups of a backup record of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.53.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.53.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_fsx_volumes_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_fsx_volumes_read

Name	Description	Schema
account_id *optional*		integer

Name	Description	Schema
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_fsx_id *optional*	File System (FSX) ID	string
backed_up_resource_id *optional*	File System (FSx) Volume ID	string
backed_up_resource_name *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
backup_id *optional*	Backup's ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
file_system_type *optional*	FSx file system type.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
original_aws_svm_id *optional*	Original SVM AWS ID.	string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*		string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	Associated account's AWS account number.	string
snapshot_id *optional*	AWS FSx Volume Backup ID	string

Name	Description	Schema
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
storage_type *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
username *optional*	Name of the owner user.	string

6.53.4. Produces

- `application/json`

6.54. Delete an File System (FSx) volume backup of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/fsx_volumes/{id}/
```

6.54.1. Description

This endpoint deletes the FSx volume backup of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own FSx volume backup of a backup record.
* Root user can also delete a FSx volume backup of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the FSx volume backup of a backup record for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.54.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.54.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.55. Recover File System (FSx) volume from backup

```
POST /api/aws/backups/{backup_id}/snapshots/fsx_volumes/{snapshot_record_id}/recover/
```

6.55.1. Description

This endpoint recovers File System (FSx) volume of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own backups.
* Root user can also recover the backups of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the backups for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/fsx_volumes/`

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.55.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_fsx_volumes_recover_create** *required*	data_aws_backups_snapshots_fsx_volumes_recover_create

data_aws_backups_snapshots_fsx_volumes_recover_create

Name	Description	Schema
aws_fsx_volume_id *optional*	FSx Volume ID.	string
existing_aws_svm_id *optional*	Existing FSx SVM ID.	string
fsx_name_tag *optional*	FSx Volume name.	string

Name	Description	Schema
preserve_tags *optional*		boolean
tags *optional*		string

6.55.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_fsx_volumes_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_fsx_volumes_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_fsx_volumes_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string

Name	Description	Schema
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_fsx_volumes_recover_create_s3_recover_status

Name	Description	Schema
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_fsx_volumes_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_fsx_volumes_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.55.4. Consumes

- `application/json`

6.55.5. Produces

- `application/json`

6.56. List File System (FSx) backups of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/fsxs/
```

6.56.1. Description

This endpoint returns a list of the FSx backups of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own FSx backups.
* Root user can also get the FSx backups of the managed users.
* Delegates can get the FSx backups of their original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `2.2.0`

6.56.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**file_system_type** *optional*	FSx file system type.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**using_awsbackup_service** *optional*	None	string

6.56.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_fsxs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_fsxs_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
active_directory_id *optional*	Active Directory Id.	string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_security_group_ids *optional*		< string > array
aws_subnet_ids *optional*		< string > array
aws_vpc_id *optional*	VPC Id of the networking entities.	string

Name	Description	Schema
backed_up_resource_id *optional*	File System (FSX) ID	string
backed_up_resource_name *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
backup_iam_role_arn *optional*		string
backup_id *optional*	Backup's ID.	string
backup_vault_name *optional*		string
deletion_time *optional*	Time of the snapshot's deletion.	string
deployment_type *optional*	FSx deployment type.	string
end_time *optional*	Snapshot's end time.	string
expire_time *optional*		string
file_system_type *optional*	FSx file system type.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
move_to_cold_storage_time *optional*		string
original_aws_svms *optional*	Original SVMs configuration.	object
original_kms_key_id *optional*		string
policy_name *optional*	Associated policy name.	string
preferred_subnet_id *optional*	Preferred subnet Id.	string
region *optional*	Snapshot's region ID.	string

Name	Description	Schema
self_managed_admin_group *optional*	File system administrators group.	string
self_managed_domain_name *optional*	Domain nane.	string
self_managed_ip_addresses *optional*	List of DNS IPs.	< string > array
self_managed_organizational_unit_distinguished_name *optional*	Organizational unit distinguished name.	string
self_managed_user_name *optional*	User name.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	AWS FSx Backup ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup’s start time.	string
status *optional*	Backup status.	string
storage_type *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
throughput_capacity *optional*	Throughput capacity.	string
username *optional*	Associated user’s username.	string
using_awsbackup_service *optional*		boolean

6.56.4. Produces

- application/json

6.57. Retrieve an File System (FSx) backup of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/fsxs/{id}/
```

6.57.1. Description

This endpoint returns the FSx backup of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own FSx backups of a backup record.
* Root user can also get the FSx backups of a backup record of the managed users.
* Delegates can get the FSx backups of a backup record of their original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `2.2.0`

6.57.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.57.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_fsxs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_fsxs_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer

Name	Description	Schema
account_name *optional*	Associated account name.	string
active_directory_id *optional*	Active Directory Id.	string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_security_group_ids *optional*		< string > array
aws_subnet_ids *optional*		< string > array
aws_vpc_id *optional*	VPC Id of the networking entities.	string
backed_up_resource_id *optional*	File System (FSX) ID	string
backed_up_resource_name *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
backup_iam_role_arn *optional*		string
backup_id *optional*	Backup's ID.	string
backup_vault_name *optional*		string
deletion_time *optional*	Time of the snapshot's deletion.	string
deployment_type *optional*	FSx deployment type.	string
end_time *optional*	Snapshot's end time.	string
expire_time *optional*		string
file_system_type *optional*	FSx file system type.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string

Name	Description	Schema
move_to_cold_storage_time *optional*		string
original_aws_svms *optional*	Original SVMs configuration.	object
original_kms_key_id *optional*		string
policy_name *optional*	Associated policy name.	string
preferred_subnet_id *optional*	Preferred subnet Id.	string
region *optional*	Snapshot's region ID.	string
self_managed_admin_group *optional*	File system administrators group.	string
self_managed_domain_name *optional*	Domain nane.	string
self_managed_ip_addresses *optional*	List of DNS IPs.	< string > array
self_managed_organizational_unit_distinguished_name *optional*	Organizational unit distinguished name.	string
self_managed_user_name *optional*	User name.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	AWS FSx Backup ID	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
storage_type *optional*		string

Name	Description	Schema
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
throughput_capacity *optional*	Throughput capacity.	string
username *optional*	Associated user's username.	string
using_awsbackup_service *optional*		boolean

6.57.4. Produces

- `application/json`

6.58. Delete an File System (FSx) backup of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/fsxs/{id}/
```

6.58.1. Description

This endpoint deletes the FSx backup of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own FSx backup of a backup record.
* Root user can also delete a FSx backup of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the FSx backup of a backup record for his original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `2.1.0`

6.58.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.58.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.59. Recover File System (Windows or Lustre) (FSx) from backup

```
POST /api/aws/backups/{backup_id}/snapshots/fsxs/{snapshot_record_id}/recover/
```

6.59.1. Description

This endpoint recovers File System (Windows or Lustre) (FSx) of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own backups.
* Root user can also recover the backups of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the backups for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/fsxs/`

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `2.1.0`

6.59.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_fsxs_recover_create** *required*	data_aws_backups_snapshots_fsxs_recover_create

data_aws_backups_snapshots_fsxs_recover_create

Name	Description	Schema
active_directory_id *optional*	For Windows - Active Directory Id value for recovered FSx, default as the original FSx.	string
aws_security_group_ids *optional*	Security groups to configure the recovered FSx, default as the original FSx.	< string > array

Name	Description	Schema
aws_subnet_ids *optional*	Subnets to configure the recovered FSx, default as the original FSx.	< string > array
credentials *optional*		data_aws_backups_snapshots_fsxs_recover_create_credentials
cross_account_copy_iam_role_arn *optional*	Cross account copy IAM role ARN	string
fsx_admin_password *optional*	FSx administrative password.	string
fsx_name_tag *optional*	FSx name	string
fsx_svms *optional*	FSx SVMs to recover.	< data_aws_backups_snapshots_fsxs_recover_create_fsx_svms > array
fsx_volumes *optional*	FSx volumes to recover.	< data_aws_backups_snapshots_fsxs_recover_create_fsx_volumes > array
preferred_subnet_id *optional*	For Windows - Preferred subnet ID for recovered FSx, default as the original FSx.	string
preserve_tags *optional*	Whether to associate the same tags to the recovered FSx.	boolean
self_managed_ad *optional*	For Windows - self managed Active Directory configuration parameters.	data_aws_backups_snapshots_fsxs_recover_create_self_managed_ad
tags *optional*	List of tags to add to the new resource.	string

Name	Description	Schema
throughput_capacity *optional*	For Windows - Throuput capacity for recovered FSx, default as the original FSx. **Allowed Enum Values** * 8 (8 MB/s) * 16 (16 MB/s) * 32 (32 MB/s) * 64 (64 MB/s) * 128 (128 MB/s) * 256 (256 MB/s) * 512 (512 MB/s) * 1024 (1024 MB/s) * 2048 (2048 MB/s)	enum (8, 16, 32, 64, 128, 256, 512, 1024, 2048)
to_account *optional*	Restore to account.	string
volumes_only_recovery *optional*	'Volumes Only' recovery flag	boolean

data_aws_backups_snapshots_fsxs_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

data_aws_backups_snapshots_fsxs_recover_create_fsx_svms

Name	Description	Schema
aws_fsx_svm_id *optional*	FSx SVM ID.	string
fsx_admin_password *optional*	FSx SVM administrative password.	string
fsx_name_tag *optional*	FSx SVM name.	string
fsx_volumes *optional*	FSx volumes to recover.	< object > array
preserve_tags *optional*		boolean
self_managed_ad *optional*	Self managed Active Directory configuration parameters.	object

Name	Description	Schema
tags *optional*	List of tags to add to the new resource.	string

data_aws_backups_snapshots_fsxs_recover_create_fsx_volumes

Name	Description	Schema
aws_fsx_volume_id *optional*	FSx Volume ID.	string
existing_aws_svm_id *optional*	Existing FSx SVM ID.	string
fsx_name_tag *optional*	FSx Volume name.	string
preserve_tags *optional*		boolean
tags *optional*		string

data_aws_backups_snapshots_fsxs_recover_create_self_managed_ad

Name	Description	Schema
admin_group *optional*	For Windows - File system administrators group.	string
domain_name *optional*	For Windows - Domain nane.	string
ip_addresses *required*	For Windows - List of DNS IPs.	< string > array
organizational_unit_distinguished_name *optional*	For Windows - Self managed Active Directory organizational unit distinguished name.	string
password *optional*	For Windows - Self managed Active Directory password.	string
user_name *optional*	For Windows - User name.	string

6.59.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_fsxs_recover_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_fsxs_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_fsxs_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string

Name	Description	Schema
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_fsxs_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_fsxs_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_fsxs_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.59.4. Consumes

- `application/json`

6.59.5. Produces

- `application/json`

6.60. List the `Initial AMI` snapshots of a given backup record

```
GET /api/aws/backups/{backup_id}/snapshots/initial_amis/
```

6.60.1. Description

This endpoint returns a list of 'Initial AMI' snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own AMIs.
* Root user can also get the AMIs of the managed users.
* Delegates can get the AMIs of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

6.60.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**resource** *optional*	A full or partial resource ID to search by.	string

6.60.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_initial_amis_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_initial_amis_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Account Name	string
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean

6.60.4. Produces

- `application/json`

6.61. Retrieve the `Initial AMI` snapshots of a given backup record

```
GET /api/aws/backups/{backup_id}/snapshots/initial_amis/{id}/
```

6.61.1. Description

This endpoint returns the 'Initial AMI' snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own AMIs.
* Root user can also get the AMIs of the managed users.
* Delegates can get the AMIs of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.61.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.61.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_initial_amis_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_initial_amis_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer

Name	Description	Schema
account_name *optional*	Account Name	string
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean

6.61.4. Produces

- `application/json`

6.62. Delete the `Initial AMI` snapshots of a given backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/initial_amis/{id}/
```

6.62.1. Description

This endpoint deletes the `Initial AMI` snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own AMI.
* Root user can also delete AMI for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the AMI for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

6.62.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.62.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.63. List all instances of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/instances/
```

6.63.1. Description

This endpoint returns a list of instances of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own instances.
* Root user can also get the instances of the managed users.
* Delegates can get the instances of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

6.63.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**resource** *optional*	A full or partial resource ID to search by.	string

6.63.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_instances_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_instances_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
aws_architecture *optional*	Instance's AWS architecture.	string
aws_disable_api_termination *optional*	States whether terminating the instance by API is enabled or not. The default value will be as the backed-up instance.	boolean
aws_image_id *optional*	Initial AMI ID.	string
aws_instance_type *optional*	Instance's AWS type.	string
aws_ip_address *optional*	Instance's IP address.	string
aws_kernel_id *optional*	Will hold the kernel id of the backed-up instance.	string
aws_key_name *optional*	Instance's AWS key name.	string
aws_monitored *optional*	Is True if monitoring should be allowed for the new instance. The default will be the value in the backed-up instance.	boolean
aws_ram_disk_id *optional*	Will hold the RAM Disk id of the backed-up instance.	string
aws_root_device *optional*	Instance's root device.	string
aws_security_groups *optional*	Instance's AWS security groups.	< string > array
aws_shutdown_behaviour *optional*	By default it will have the value of the original instance. If the recovered instance is instance-store-based, this option is not used	string
aws_subnet_id *optional*	Instance's subnet ID.	string
aws_user_data *optional*	The text of the user data. Special encoding or using a file as the source is not currently supported from within N2WS.	string
aws_virtualization_type *optional*	AWS virtualization type.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
backed_up_resource_name *optional*	Instance's AWS name.	string

Name	Description	Schema
ebs_optimized *optional*	Is True to launch an EBS Optimized instance. The default will be the value from the backed-up instance.	boolean
ena_support *optional*	ENA option for this instance.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
instance_profile_arn *optional*	The ARN of the instance role (IAM Role) for the instance.The default will be the instance role of the backed-up instance, if it had one.	string
is_root_device_ebs *optional*	States whether instance's root device is based on EBS.	boolean
platform *optional*	Instance's platform.	string
region *optional*	Snapshot's DR region.	string
tags *optional*	Resource's tags.	string
tenancy *optional*	Tenancy option for this instance.	string

6.63.4. Produces

- `application/json`

6.64. Retrieve an instance of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/instances/{id}/
```

6.64.1. Description

This endpoint returns the instance of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own instance.
* Root user can also get the instance of the managed users.
* Delegates can get the instance of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `2.2.0`

6.64.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.64.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_instances_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_instances_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
aws_architecture *optional*	Instance's AWS architecture.	string

Name	Description	Schema
aws_disable_api_termination *optional*	States whether terminating the instance by API is enabled or not. The default value will be as the backed-up instance.	boolean
aws_image_id *optional*	Initial AMI ID.	string
aws_instance_type *optional*	Instance's AWS type.	string
aws_ip_address *optional*	Instance's IP address.	string
aws_kernel_id *optional*	Will hold the kernel id of the backed-up instance.	string
aws_key_name *optional*	Instance's AWS key name.	string
aws_monitored *optional*	Is True if monitoring should be allowed for the new instance. The default will be the value in the backed-up instance.	boolean
aws_ram_disk_id *optional*	Will hold the RAM Disk id of the backed-up instance.	string
aws_root_device *optional*	Instance's root device.	string
aws_security_groups *optional*	Instance's AWS security groups.	< string > array
aws_shutdown_behaviour *optional*	By default it will have the value of the original instance. If the recovered instance is instance-store-based, this option is not used	string
aws_subnet_id *optional*	Instance's subnet ID.	string
aws_user_data *optional*	The text of the user data. Special encoding or using a file as the source is not currently supported from within N2WS.	string
aws_virtualization_type *optional*	AWS virtualization type.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
backed_up_resource_name *optional*	Instance's AWS name.	string
ebs_optimized *optional*	Is True to launch an EBS Optimized instance. The default will be the value from the backed-up instance.	boolean

Name	Description	Schema
ena_support *optional*	ENA option for this instance.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
instance_profile_arn *optional*	The ARN of the instance role (IAM Role) for the instance.The default will be the instance role of the backed-up instance, if it had one.	string
is_root_device_ebs *optional*	States whether instance's root device is based on EBS.	boolean
platform *optional*	Instance's platform.	string
region *optional*	Snapshot's DR region.	string
tags *optional*	Resource's tags.	string
tenancy *optional*	Tenancy option for this instance.	string

6.64.4. Produces

- `application/json`

6.65. Return AMI of instance of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/ami/
```

6.65.1. Description

This endpoint returns AMI of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own instance's AMI.
* Root user can also get the instance's AMI of the managed users.
* Delegates can get the instance's AMI of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

6.65.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Path	**snapshot_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

6.65.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_instances_ami_list > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_instances_ami_list

Name	Description	Schema
aws_hypervisor *optional*	Instance's AMI AWS hypervisor.	string
aws_image_id *optional*	Instance's AMI AWS image ID.	string
aws_owner_alias *optional*	Instance's AMI AWS owner alias.	string
aws_owner_id *optional*	Instance's AMI AWS owner ID.	string
aws_region *optional*	Instance's AMI AWS region.	string
aws_virtualization_type *optional*	Instance's AMI AWS virtualization type.	string
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
root_device_name *optional*	Instance's AMI name of root device.	string
root_device_type *optional*	Instance's AMI type of root device.	string

6.65.4. Produces

- `application/json`

6.66. List AWS additional nics for instance

```
GET /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/aws_additional_nics/
```

6.66.1. Description

This endpoint returns a list of additional nics for this AWS resource.

Permissions and Restrictions:
* Any authenticated user can get his own instance's additional nics.
* Root user can also get the instance's additional nics of the managed users.
* Delegates can get the instance's additional nics of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

6.66.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Path	**snapshot_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

6.66.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_instances_aws_additional_nics_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_instances_aws_additional_nics_list

Name	Description	Schema
display_name *optional*	Display name of the resource.	string
id *optional*	Unique ID of the resource.	string

6.66.4. Produces

- `application/json`

6.67. Return similar AMI of instance of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/find_similar_ami/
```

6.67.1. Description

This endpoint returns similar AMI of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own instance's similar AMI.
* Root user can also get the instance's similar AMI of the managed users.
* Delegates can get the instance's similar AMI of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

6.67.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Path	**snapshot_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**aws_region** *optional*	Instance's AMI AWS region.	string
Query	**exact_match** *optional*	Instance's AMI exact match filter.	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

6.67.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_instances_find_similar_ami_list > array

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_instances_find_similar_ami_list

Name	Description	Schema
aws_hypervisor *optional*	Instance's AMI AWS hypervisor.	string
aws_image_id *optional*	Instance's AMI AWS image ID.	string
aws_region *optional*	Instance's AMI AWS region.	string
aws_virtualization_type *optional*	Instance's AMI AWS virtualization type.	string
description *optional*	Description for the resource.	string
kernel_id *optional*	Instance's AMI kernel ID.	string
match_type *optional*	**Allowed Enum Values** * E (Exact Match) * N (Same Name) * D (Same Description) * A (Similar Name) * S (Similar Description) * C (Same Name and Description)	enum (E, N, D, A, S, C)
name *optional*	Name of the resource.	string
ramdisk_id *optional*	Instance's AMI ramdisk ID.	string
root_device_name *optional*	Instance's AMI name of root device.	string
root_device_type *optional*	Instance's AMI type of root device.	string

6.67.4. Produces

- `application/json`

6.68. Recover instance from backup

```
POST /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recover/
```

6.68.1. Description

This endpoint recovers the instance of a backup record for the ID passed in the URL path.
if destination region is not given, recovery will be done to original region.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/instances/`

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.0.0`

6.68.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_instances_recover_create** *required*	data_aws_backups_snapshots_instances_recover_create

data_aws_backups_snapshots_instances_recover_create

Name	Description	Schema
additional_nics *optional*	AWS additional nics for instance.	< string > array

Name	Description	Schema
ami_handling *optional*	What to do with the registered new image If this instance is launched from a snapshot(S). **Allowed Enum Values** * D (De-register after Recovery.) * L (Leave Registered after Recovery.) * O (Create_ami without Recovery.)	enum (D, L, O)
architecture *optional*	You can choose between i386 which is x86 - 32 bits and x86-64 bits. **Allowed Enum Values** * i386 (Instance architecture - i386 which is x86 - 32 bits.) * x86_64 (Instance architecture - x86_64 which is x86-64 bits.) * arm64 (Instance architecture - arm64 which is ARM 64 bits.)	enum (i386, x86_64, arm64)
auto_assign_public_ip *optional*	Let you choose whether to assign a public IP to the new instance. This is for public subnets. By default it will behave as the subnet defines. **Allowed Enum Values** * default (Assign a public IP to the new instance if subnet defines.) * enable (Assign a public IP to the new instance.) * disable (Not Assign a public IP to the new instance.)	enum (default, enable, disable)
cpu_options *optional*	The CPU options for the instance.	data_aws_backups_snapshots_instances_recover_create_cpu_options
credentials *optional*		data_aws_backups_snapshots_instances_recover_create_credentials
disable_api_termination *optional*	States whether terminating the new instance by API is enabled or not. The default value will be as the backed-up instance.	boolean
ebs_optimized *optional*	Is True to launch an EBS Optimized instance. The default will be the value from the backed-up instance.	boolean

Name	Description	Schema
ena_support *optional*	ENA option for this instance.	boolean
enable_user_data *optional*	States whether to use user data for this instance launch. If True, User Data becomes relevant.	boolean
ephemeral_devices *optional*	List of ephemeral drives to add to the new instance. The number of ephemeral storage devices you can use depend on the instance type.	< data_aws_backups_snapshots_instances_recover_create_ephemeral_devices > array
from_account *optional*	Recover instance from this account.	integer
image_id *optional*	This is only relevant if Launch From is set to image, or if you are recovering a Windows instance.	string
instance_profile_arn *optional*	The ARN of the instance role (IAM Role) for the instance.The default will be the instance role of the backed-up instance, if it had one.	string
instance_type *optional*	Type of the new instance/s. By default the instance type of the backed-up instance will be chosen. If you specify an instance type that is incompatible with the image, the recovery operation will fail.	string
instance_volumes *optional*	List of all instance volumes to recover. root will be recovered even if not specified.	< data_aws_backups_snapshots_instances_recover_create_instance_volumes > array
kernel_id *optional*	Will hold the kernel id of the backed-up instance.	string
key_pair *optional*	The key (or key pair) you want to launch the instance with. The default is the key that the backed-up instance was created with.	string
monitored *optional*	Is True if monitoring should be allowed for the new instance. The default will be the value in the backed-up instance.	boolean
num_instances_to_recover *optional*	How many instances to launch from the image. The default is one.	integer
preserve_tags *optional*	By default this option is True. If True, all the tags that were associated with the backed-up instance at the time of the backup (like the instance's name) will also be associated with the new instance/s.	boolean

Name	Description	Schema
ram_disk_id *optional*	Will hold the RAM Disk id of the backed-up instance.	string
restore_from *optional*	Launch the boot device (image) from a snapshot(S) or use an existing image(I).For windows images we support only image based instances. **Allowed Enum Values** * S (Restore instance from snapshot.) * I (Restore instance from image.) * C (Restore instance from image and replace root volume.)	enum (S, I, C)
security_groups *optional*	Which security groups will be applied with the new instance. you can specify more than one. By default, the security groups of the backed-up instance will be chosen. Please note that security groups for VPC instances are different than groups of non-VPC instances.	< string > array
shutdown_behaviour *optional*	By default it will have the value of the original instance. If the recovered instance is instance-store-based, this option is not used **Allowed Enum Values** * stop (Behaviour on shutdown - stop.) * terminate (Behaviour on shutdown - terminate.)	enum (stop, terminate)
tags *optional*	List of tags to add to the new instance.	string
tenancy *optional*	Tenancy option for this instance. **Allowed Enum Values** * default (Instance tenancy shared.) * dedicated (Instance tenancy dedicated.) * host (Instance tenancy host.)	enum (default, dedicated, host)
to_account *optional*	Recover instance to this account.	integer
to_region *optional*	Target region for the instance recover.	integer
user_data *optional*	The text of the user data. Special encoding or using a file as the source is not currently supported from within N2WS.	string
vpc *optional*	You choose the VPC the instance is to be recovered to. By default it will contain the VPC the original instance belonged to.	< string > array

Name	Description	Schema
vpc_assign_ip *optional*	If the backed-up instance was in a VPC subnet, the default value will be the IP assigned to the original instance.Note that if that IP is still taken, it can fail the recovery operation. You can type a different IP here.When you begin recovery, N2WS will verify the IP belongs to the chosen subnet.If you leave this field empty, an IP address from the subnet will be automatically allocated for the new instance.	string
vpc_subnet_id *optional*	This will hold all the subnets in the currently selected VPC.	< string > array
zone *optional*	By default, if the backed-up instance was not in a VPC, it will have the same zone as the backed-up instance.	string

data_aws_backups_snapshots_instances_recover_create_cpu_options

Name	Description	Schema
core_count *optional*	The number of CPU cores for the instance.	integer
threads_per_core *optional*	The number of threads per CPU core. To disable multithreading for the instance, specify a value of 1 . Otherwise, specify the default value of 2 .	integer

data_aws_backups_snapshots_instances_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

data_aws_backups_snapshots_instances_recover_create_ephemeral_devices

Name	Description	Schema
device *optional*	Device of ephemeral device.	string
epehemeral *optional*	ephemeral of ephemeral device.	string

data_aws_backups_snapshots_instances_recover_create_instance_volumes

Name	Description	Schema
capacity *optional*	Capacity of a volume.	integer
delete_on_termination *optional*	Specify whether to delete volume on termination.	boolean
device *optional*	Which device it will be attached as. This is only used if you choose to automatically attach the recovered volume to an instance.	string
iops *optional*	Number of IOPS.	integer
preserve_tags *optional*	Whether to associate the same tags (like the volume's name) to the recovered volume. Default is true.	boolean
tags *optional*	List of tags to add to the new volume.	string
throughput *optional*		integer
volume_id *optional*	Volume ID to do recover for, if root is not specified it will be automatically added.	string
volume_type *optional*	Type of the EBS volume. **Allowed Enum Values** * standard (Magnetic type of ebs volume.) * io1 (Magnetic type of ebs volume.) * io2 (Magnetic type of ebs volume.) * gp2 (Provisioned iops ssd type of ebs volume (gp2).) * gp3 (Provisioned iops ssd type of ebs volume (gp3).) * st1 (Throughput optimized hdd type of ebs volume.) * sc1 (Cold_hdd type of ebs volume.)	enum (standard, io1, io2, gp2, gp3, st1, sc1)

6.68.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_instances_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_instances_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_instances_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean

Name	Description	Schema
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_instances_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_instances_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_instances_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.68.4. Consumes

- `application/json`

6.68.5. Produces

- `application/json`

6.69. Recover instance from S3

```
POST /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recover_from_s3/
```

6.69.1. Description

This endpoint recovers the instance from S3 of a backup record for the ID passed in the URL path.
if destination region is not given, recovery will be done to original region.
Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/instances/`

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.2.0`

6.69.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_instances_recover_from_s3_create** *required*	data_aws_backups_snapshots_instances_recover_from_s3_create

data_aws_backups_snapshots_instances_recover_from_s3_create

Name	Description	Schema
additional_nics *optional*	AWS additional nics for instance.	< string > array

Name	Description	Schema
ami_handling *optional*	What to do with the registered new image If this instance is launched from a snapshot(S). **Allowed Enum Values** * D (De-register after Recovery.) * L (Leave Registered after Recovery.) * O (Create_ami without Recovery.)	enum (D, L, O)
architecture *optional*	You can choose between i386 which is x86 - 32 bits and x86-64 bits. **Allowed Enum Values** * i386 (Instance architecture - i386 which is x86 - 32 bits.) * x86_64 (Instance architecture - x86_64 which is x86-64 bits.) * arm64 (Instance architecture - arm64 which is ARM 64 bits.)	enum (i386, x86_64, arm64)
auto_assign_public_ip *optional*	Let you choose whether to assign a public IP to the new instance. This is for public subnets. By default it will behave as the subnet defines. **Allowed Enum Values** * default (Assign a public IP to the new instance if subnet defines.) * enable (Assign a public IP to the new instance.) * disable (Not Assign a public IP to the new instance.)	enum (default, enable, disable)
cpu_options *optional*	The CPU options for the instance.	data_aws_backups_snapshots_instances_recover_from_s3_create_cpu_options
credentials *optional*		data_aws_backups_snapshots_instances_recover_from_s3_create_credentials
disable_api_termination *optional*	States whether terminating the new instance by API is enabled or not. The default value will be as the backed-up instance.	boolean
ebs_optimized *optional*	Is True to launch an EBS Optimized instance. The default will be the value from the backed-up instance.	boolean

Name	Description	Schema
ena_support *optional*	ENA option for this instance.	boolean
enable_user_data *optional*	States whether to use user data for this instance launch. If True, User Data becomes relevant.	boolean
encryption_key *optional*	Encryption key for target region of volume.	string
ephemeral_devices *optional*	List of ephemeral drives to add to the new instance. The number of ephemeral storage devices you can use depend on the instance type.	< data_aws_backups_snapshots_instances_recover_from_s3_create_ephemeral_devices > array
from_account *optional*	Recover instance from this account.	integer
image_id *optional*	This is only relevant if Launch From is set to image, or if you are recovering a Windows instance.	string
instance_profile_arn *optional*	The ARN of the instance role (IAM Role) for the instance.The default will be the instance role of the backed-up instance, if it had one.	string
instance_type *optional*	Type of the new instance/s. By default the instance type of the backed-up instance will be chosen. If you specify an instance type that is incompatible with the image, the recovery operation will fail.	string
instance_volumes *optional*	List of all instance volumes to recover. root will be recovered even if not specified.	< data_aws_backups_snapshots_instances_recover_from_s3_create_instance_volumes > array
kernel_id *optional*	Will hold the kernel id of the backed-up instance.	string
key_pair *optional*	The key (or key pair) you want to launch the instance with. The default is the key that the backed-up instance was created with.	string
monitored *optional*	Is True if monitoring should be allowed for the new instance. The default will be the value in the backed-up instance.	boolean
num_instances_to_recover *optional*	How many instances to launch from the image. The default is one.	integer

Name	Description	Schema
preserve_tags *optional*	By default this option is True. If True, all the tags that were associated with the backed-up instance at the time of the backup (like the instance's name) will also be associated with the new instance/s.	boolean
ram_disk_id *optional*	Will hold the RAM Disk id of the backed-up instance.	string
restore_from *optional*	Launch the boot device (image) from a snapshot(S) or use an existing image(I).For windows images we support only image based instances. **Allowed Enum Values** * S (Restore instance from snapshot.) * I (Restore instance from image.) * C (Restore instance from image and replace root volume.)	enum (S, I, C)
retrieve_options *optional*	Retrieval parameters to use if retrieval of data from Glacier to S3 is required.	data_aws_backups_snapshots_instances_recover_from_s3_create_retrieve_options
security_groups *optional*	Which security groups will be applied with the new instance. you can specify more than one. By default, the security groups of the backed-up instance will be chosen. Please note that security groups for VPC instances are different than groups of non-VPC instances.	< string > array
shutdown_behaviour *optional*	By default it will have the value of the original instance. If the recovered instance is instance-store-based, this option is not used **Allowed Enum Values** * stop (Behaviour on shutdown - stop.) * terminate (Behaviour on shutdown - terminate.)	enum (stop, terminate)
tags *optional*	List of tags to add to the new instance.	string
tenancy *optional*	Tenancy option for this instance. **Allowed Enum Values** * default (Instance tenancy shared.) * dedicated (Instance tenancy dedicated.) * host (Instance tenancy host.)	enum (default, dedicated, host)
to_account *optional*	Recover instance to this account.	integer

Name	Description	Schema
to_region *optional*	Target region for the instance recover.	integer
use_default_volume_encryption_keys *optional*		boolean
user_data *optional*	The text of the user data. Special encoding or using a file as the source is not currently supported from within N2WS.	string
vpc *optional*	You choose the VPC the instance is to be recovered to. By default it will contain the VPC the original instance belonged to.	< string > array
vpc_assign_ip *optional*	If the backed-up instance was in a VPC subnet, the default value will be the IP assigned to the original instance.Note that if that IP is still taken, it can fail the recovery operation. You can type a different IP here.When you begin recovery, N2WS will verify the IP belongs to the chosen subnet.If you leave this field empty, an IP address from the subnet will be automatically allocated for the new instance.	string
vpc_subnet_id *optional*	This will hold all the subnets in the currently selected VPC.	< string > array
worker_configuration *optional*	If set, the supplied worker configuration will be used. Otherwise, the worker configuration will be build.	data_aws_backups_snapshots_instances_recover_from_s3_create_worker_configuration
zone *optional*	By default, if the backed-up instance was not in a VPC, it will have the same zone as the backed-up instance.	string

data_aws_backups_snapshots_instances_recover_from_s3_create_cpu_options

Name	Description	Schema
core_count *optional*	The number of CPU cores for the instance.	integer
threads_per_core *optional*	The number of threads per CPU core. To disable multithreading for the instance, specify a value of 1 . Otherwise, specify the default value of 2 .	integer

data_aws_backups_snapshots_instances_recover_from_s3_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

data_aws_backups_snapshots_instances_recover_from_s3_create_ephemeral_devices

Name	Description	Schema
device *optional*	Device of ephemeral device.	string
epehemeral *optional*	ephemeral of ephemeral device.	string

data_aws_backups_snapshots_instances_recover_from_s3_create_instance_volumes

Name	Description	Schema
capacity *optional*	Capacity of a volume.	integer
delete_on_termination *optional*	Specify whether to delete volume on termination.	boolean
device *optional*	Which device it will be attached as. This is only used if you choose to automatically attach the recovered volume to an instance.	string
iops *optional*	Number of IOPS.	integer
preserve_tags *optional*	Whether to associate the same tags (like the volume's name) to the recovered volume. Default is true.	boolean
tags *optional*	List of tags to add to the new volume.	string
throughput *optional*		integer
volume_id *optional*	Volume ID to do recover for, if root is not specified it will be automatically added.	string

Name	Description	Schema
volume_type *optional*	Type of the EBS volume. **Allowed Enum Values** * standard (Magnetic type of ebs volume.) * io1 (Magnetic type of ebs volume.) * io2 (Magnetic type of ebs volume.) * gp2 (Provisioned iops ssd type of ebs volume (gp2).) * gp3 (Provisioned iops ssd type of ebs volume (gp3).) * st1 (Throughput optimized hdd type of ebs volume.) * sc1 (Cold_hdd type of ebs volume.)	enum (standard, io1, io2, gp2, gp3, st1, sc1)

data_aws_backups_snapshots_instances_recover_from_s3_create_retrieve_options

Name	Description	Schema
days_to_keep *optional*		integer
retrieval_tier *required*	**Allowed Enum Values** * E (Expedited) * S (Standard) * B (Bulk)	enum (E, S, B)

data_aws_backups_snapshots_instances_recover_from_s3_create_worker_configuration

Name	Description	Schema
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *required*	Security group of worker configuration.	string
aws_subnet *required*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be `Any`.	string
aws_vpc *required*	VPC of worker configuration.	string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string

Name	Description	Schema
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
worker_role_arn *optional*		string

6.69.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_instances_recover_from_s3_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_instances_recover_from_s3_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_instances_recover_from_s3_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string

Name	Description	Schema
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_instances_recover_from_s3_create_s3_recover_status

Name	Description	Schema
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_instances_recover_from_s3_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_instances_recover_from_s3_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.69.4. Consumes

- `application/json`

6.69.5. Produces

- `application/json`

6.70. Recover Sap Hana DB from backup

```
POST
/api/aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recover_sap_hana_dbs/
```

6.70.1. Description

This endpoint recovers the Sap Hana DB of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/sap_hana_dbs/`

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.70.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create** *required*	data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create

data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create

Name	Description	Schema
credentials *optional*		data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create_credentials
db_snapshots *required*	Sap Hana DB snapshot ids used for recovery.	< integer > array
from_account *optional*	Recover Sap Hana DB instance from this account.	integer
instance_recovery_record *optional*	Instance recovery record, which recovers the instance to run the Sap Hana DB recovery on.	integer
to_account *optional*	Restore Sap Hana DB instance to this account.	integer
to_region *optional*	Target region for the Sap Hana DB recovery instance.	integer

data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.70.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_instances_recover_sap_hana_dbs_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_instances_recover_sap_hana_dbs_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer

Name	Description	Schema
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_instances_recover_sap_hana_dbs_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string

Name	Description	Schema
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_instances_recover_sap_hana_dbs_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_instances_recover_sap_hana_dbs_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_instances_recover_sap_hana_dbs_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.70.4. Consumes

- `application/json`

6.70.5. Produces

- `application/json`

6.71. Recover Sap Hana DB from backup

```
POST
/api/aws/backups/{backup_id}/snapshots/instances/{snapshot_record_id}/recoveries/{recovery_id
}/recover_sap_hana_dbs/
```

6.71.1. Description

This endpoint recovers the Sap Hana DB of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/sap_hana_dbs/`

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.71.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**recovery_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create** *required*	data_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create

data_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create

Name	Description	Schema
credentials *optional*		data_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create_credentials
db_snapshots *required*	Sap Hana DB snapshot ids used for recovery.	< integer > array
from_account *optional*	Recover Sap Hana DB instance from this account.	integer
instance_recovery_record *optional*	Instance recovery record, which recovers the instance to run the Sap Hana DB recovery on.	integer
to_account *optional*	Restore Sap Hana DB instance to this account.	integer
to_region *optional*	Target region for the Sap Hana DB recovery instance.	integer

data_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.71.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer

Name	Description	Schema
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string

Name	Description	Schema
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.71.4. Consumes

- `application/json`

6.71.5. Produces

- `application/json`

6.72. List the AMIs Only snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/only_amis/
```

6.72.1. Description

This endpoint returns the list of AMIs Only snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own AMIs.
* Root user can also get the AMIs of the managed users.
* Delegates can get the AMIs of their original user.

- *Initial Release:* 1.1.0
- *Last Modified Version:* 1.4.0

6.72.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**resource** *optional*	A full or partial resource ID to search by.	string

6.72.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_only_amis_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_only_amis_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Account Name	string
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean
tags *optional*	Resource's tags.	string

6.72.4. Produces

- `application/json`

6.73. Retrieve an AMIs Only snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/only_amis/{id}/
```

6.73.1. Description

This endpoint returns the AMIs Only snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own AMIs.
* Root user can also get the AMIs of the managed users.
* Delegates can get the AMIs of their original user.

- *Initial Release:* 1.1.0
- *Last Modified Version:* 1.4.0

6.73.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.73.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_only_amis_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_only_amis_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Account Name	string

Name	Description	Schema
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean
tags *optional*	Resource's tags.	string

6.73.4. Produces

- `application/json`

6.74. Delete an AMIs Only snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/only_amis/{id}/
```

6.74.1. Description

This endpoint deletes the AMIs Only snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own AMI.
* Root user can also delete AMI for the managed users.
* Authenticated delegate user with allow_backup_changes can delete the AMI for his original user.

- *Initial Release:* 1.1.0
- *Last Modified Version:* 1.1.0

6.74.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.74.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.75. List the DR AMIs Only snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/only_dr_amis/
```

6.75.1. Description

This endpoint returns a list of DR AMIs Only snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own AMIs.
* Root user can also get the AMIs of the managed users.
* Delegates can get the AMIs of their original user.

- *Initial Release:* 1.1.0
- *Last Modified Version:* 2.0.0

6.75.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**resource** *optional*	A full or partial resource ID to search by.	string

6.75.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_only_dr_amis_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_only_dr_amis_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Account Name	string
ami_account_id *optional*		integer
ami_account_name *optional*	Account Name	string
ami_aws_account_number *optional*	AWS Account Number	string
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	Name of the DR account this snapshot is associated with.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_image_id *optional*	Initial AMI ID.	string
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
status *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean
tags *optional*	Resource's tags.	string

6.75.4. Produces

- `application/json`

6.76. Retrieve an DR AMIs Only snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/only_dr_amis/{id}/
```

6.76.1. Description

This endpoint returns the DR AMIs Only snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own AMI.
* Root user can also get the AMI of the managed users.
* Delegates can get the AMI of their original user.

- *Initial Release:* 1.1.0
- *Last Modified Version:* 2.0.0

6.76.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.76.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_only_dr_amis_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_only_dr_amis_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Account Name	string

Name	Description	Schema
ami_account_id *optional*		integer
ami_account_name *optional*	Account Name	string
ami_aws_account_number *optional*	AWS Account Number	string
aws_image_id *optional*	Initial AMI ID.	string
backed_up_resource_id *optional*	Snapshot's AWS ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
dr_account *optional*	Name of the DR account this snapshot is associated with.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_image_id *optional*	Initial AMI ID.	string
region *optional*	Snapshot's DR region.	string
snapshot_type *optional*	Snapshot type.	string
status *optional*		string
succeeded *optional*	'true' if the snapshot succeeded, 'false' otherwise.	boolean
tags *optional*	Resource's tags.	string

6.76.4. Produces

- `application/json`

6.77. Delete a DR AMIs Only snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/only_dr_amis/{id}/
```

6.77.1. Description

This endpoint deletes the DR 'AMIs Only` snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own AMI.
* Root user can also delete AMI for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the AMI for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.77.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.77.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.78. List the RDS cluster snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/rds_clusters/
```

6.78.1. Description

This endpoint returns a list of the RDS cluster snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.1.0`

6.78.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

6.78.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_rds_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_rds_clusters_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
edition *optional*	The DB edition of the DB cluster.	string

Name	Description	Schema
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_mode *optional*	The DB engine mode of the DB cluster.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
parameter_group *optional*	RDS DB Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
region *optional*	Snapshot's region ID.	string
security_groups *optional*	RDS Security groups list .	< string > array
serverless_auto_pause *optional*	A value that indicates whether to allow or disallow automatic pause for an Aurora DB cluster in serverless DB engine mode. A DB cluster can be paused only when it's idle (it has no connections).	boolean
serverless_max_capacity *optional*	The maximum capacity for an Aurora DB cluster in serverless DB engine mode.	integer
serverless_min_capacity *optional*	The minimum capacity for an Aurora DB cluster in serverless DB engine mode.	integer
serverless_seconds_until_auto_pause *optional*	The time, in seconds, before an Aurora DB cluster in serverless mode is paused.	integer
serverless_timeout_action *optional*	The action to take when the timeout is reached, either ForceApplyCapacityChange or RollbackCapacityChange.	string

Name	Description	Schema
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.78.4. Produces

- `application/json`

6.79. Retrieve a RDS cluster snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/rds_clusters/{id}/
```

6.79.1. Description

This endpoint returns the RDS cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.1.0`

6.79.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.79.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_rds_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_rds_clusters_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
edition *optional*	The DB edition of the DB cluster.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_mode *optional*	The DB engine mode of the DB cluster.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
parameter_group *optional*	RDS DB Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean

Name	Description	Schema
region *optional*	Snapshot's region ID.	string
security_groups *optional*	RDS Security groups list .	< string > array
serverless_auto_pause *optional*	A value that indicates whether to allow or disallow automatic pause for an Aurora DB cluster in serverless DB engine mode. A DB cluster can be paused only when it's idle (it has no connections).	boolean
serverless_max_capacity *optional*	The maximum capacity for an Aurora DB cluster in serverless DB engine mode.	integer
serverless_min_capacity *optional*	The minimum capacity for an Aurora DB cluster in serverless DB engine mode.	integer
serverless_seconds_until_auto_pause *optional*	The time, in seconds, before an Aurora DB cluster in serverless mode is paused.	integer
serverless_timeout_action *optional*	The action to take when the timeout is reached, either ForceApplyCapacityChange or RollbackCapacityChange.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string

Name	Description	Schema
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.79.4. Produces

- `application/json`

6.80. Delete a RDS cluster snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/rds_clusters/{id}/
```

6.80.1. Description

This endpoint deletes the RDS cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.80.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.80.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.81. Recover RDS cluster from backup

```
POST /api/aws/backups/{backup_id}/snapshots/rds_clusters/{snapshot_record_id}/recover/
```

6.81.1. Description

This endpoint recovers the RDS cluster of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/rds_clusters/`

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.1.0`

6.81.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_rds_clusters_recover_create** *required*	data_aws_backups_snapshots_rds_clusters_recover_create

data_aws_backups_snapshots_rds_clusters_recover_create

Name	Description	Schema
aws_dbinstance_id *optional*	New unique identifier of the restored RDS DB instance resource.	string
aws_resource_id *required*	New unique identifier of the restored resource.	string

Name	Description	Schema
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_rds_clusters_recover_create_credentials
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
db_parameter_group *optional*	Parameter group to configure the recovered RDS DB of RDS cluster, default as the original RDS.	string
engine_mode *optional*	The DB engine mode of the DB cluster.	string
instance_type *optional*	Contains the compute and memory capacity of the DB Instance.	string
parameter_group *optional*	Parameter group to configure the recovered RDS cluster, default as the original RDS.	string
security_groups *optional*	Security groups to configure the recovered RDS, default as the original RDS.	< string > array
serverless_auto_pause *optional*	A value that indicates whether to allow or disallow automatic pause for an Aurora DB cluster in serverless DB engine mode. A DB cluster can be paused only when it's idle (it has no connections).	boolean
serverless_max_capacity *optional*	The maximum capacity for an Aurora DB cluster in serverless DB engine mode. **Allowed Enum Values** * 1 (2GiB RAM) * 2 (4GiB RAM) * 4 (8GiB RAM) * 8 (16GiB RAM) * 16 (32GiB RAM) * 32 (64GiB RAM) * 64 (122GiB RAM) * 128 (244GiB RAM) * 256 (488GiB RAM)	enum (1, 2, 4, 8, 16, 32, 64, 128, 256)

Name	Description	Schema
serverless_min_capacity *optional*	The minimum capacity for an Aurora DB cluster in serverless DB engine mode. **Allowed Enum Values** * 1 (2GiB RAM) * 2 (4GiB RAM) * 4 (8GiB RAM) * 8 (16GiB RAM) * 16 (32GiB RAM) * 32 (64GiB RAM) * 64 (122GiB RAM) * 128 (244GiB RAM) * 256 (488GiB RAM)	enum (1, 2, 4, 8, 16, 32, 64, 128, 256)
serverless_seconds_until_auto_pause *optional*	The time, in seconds, before an Aurora DB cluster in serverless mode is paused.	integer
serverless_timeout_action *optional*	The action to take when the timeout is reached, either ForceApplyCapacityChange or RollbackCapacityChange. **Allowed Enum Values** * RollbackCapacityChange (The default, ignores the capacity change if a scaling point isn't found in the timeout period.) * ForceApplyCapacityChange (Sets the capacity to the specified value as soon as possible.)	enum (RollbackCapacityChange, ForceApplyCapacityChange)
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*	List of tags to add to the new resource.	string
to_account *optional*	Restore to account.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_rds_clusters_recover_create_credentials

Name	Schema
aws_access_key *optional*	string

Name	Schema
aws_secret_key *optional*	string

6.81.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_rds_clusters_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_rds_clusters_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_rds_clusters_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string

Name	Description	Schema
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_rds_clusters_recover_create_s3_recover_status

Name	Description	Schema
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_rds_clusters_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_rds_clusters_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.81.4. Consumes

- `application/json`

6.81.5. Produces

- `application/json`

6.82. List the RDS snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/rds_databases/
```

6.82.1. Description

This endpoint returns a list of RDS snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

6.82.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number

Type	Name	Description	Schema
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

6.82.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_rds_databases_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_rds_databases_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
parameter_group *optional*	RDS Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
region *optional*	Snapshot's region ID.	string
security_groups *optional*	RDS Security groups list .	< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
storage_type *optional*	Storage type.	string

Name	Description	Schema
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
throughput *optional*	The throughput that the storage can support.	integer
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.82.4. Produces

- `application/json`

6.83. Retrieve a RDS snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/rds_databases/{id}/
```

6.83.1. Description

This endpoint returns the RDS snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

6.83.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.83.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_rds_databases_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_rds_databases_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
parameter_group *optional*	RDS Parameter group.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
region *optional*	Snapshot's region ID.	string

Name	Description	Schema
security_groups *optional*	RDS Security groups list .	< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
storage_type *optional*	Storage type.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
throughput *optional*	The throughput that the storage can support.	integer
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.83.4. Produces

- `application/json`

6.84. Delete a RDS snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/rds_databases/{id}/
```

6.84.1. Description

This endpoint deletes the RDS snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.84.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.84.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.85. Recover RDS databases from backup

```
POST /api/aws/backups/{backup_id}/snapshots/rds_databases/{snapshot_record_id}/recover/
```

6.85.1. Description

This endpoint recovers the RDS databases of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/rds_databases/`

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

6.85.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_rds_databases_recover_create** *required*	data_aws_backups_snapshots_rds_databases_recover_create

data_aws_backups_snapshots_rds_databases_recover_create

Name	Description	Schema
aws_resource_id *required*	New unique identifier of the restored resource.	string
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_rds_databases_recover_create_credentials

Name	Description	Schema
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
parameter_group *optional*	Parameter group to configure the recovered RDS, default as the original RDS.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
security_groups *optional*	Security groups to configure the recovered RDS, default as the original RDS.	< string > array
storage_type *optional*	Storage type. If type is not 'io1' or 'io2' or 'gp3', iops = 0 **Allowed Enum Values** * standard (Magnetic) * io1 (Provisioned IOPS SSD (io1)) * io2 (Provisioned IOPS SSD (io2)) * gp2 (General Purpose SSD (gp2)) * gp3 (General Purpose SSD (gp3))	enum (standard, io1, io2, gp2, gp3)
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*	List of tags to add to the new resource.	string
throughput *optional*	The throughput that the storage can support.	integer
to_account *optional*	Restore to account.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_rds_databases_recover_create_credentials

Name	Schema
aws_access_key *optional*	string

Name	Schema
aws_secret_key *optional*	string

6.85.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_rds_databases_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_rds_databases_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_rds_databases_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string

Name	Description	Schema
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_rds_databases_recover_create_s3_recover_status

Name	Description	Schema
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_rds_databases_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_rds_databases_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.85.4. Consumes

- `application/json`

6.85.5. Produces

- `application/json`

6.86. List the Redshift cluster snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/redshift_clusters/
```

6.86.1. Description

This endpoint returns a list of the Redshift cluster snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

6.86.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

6.86.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_redshift_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_redshift_clusters_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_node_type *optional*	Type of node.	string
aws_nodes *optional*	Number of nodes on cluster.	integer
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string

Name	Description	Schema
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Cluster port.	integer
publicly_accessible *optional*	Is cluster is publicly accessible.	boolean
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Redshift cluster subnet group name.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string

Name	Description	Schema
zone *optional*	Redshift cluster zone.	string

6.86.4. Produces

- `application/json`

6.87. Retrieve a Redshift cluster snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/redshift_clusters/{id}/
```

6.87.1. Description

This endpoint returns the Redshift cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

6.87.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.87.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_redshift_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_redshift_clusters_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer

Name	Description	Schema
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
aws_node_type *optional*	Type of node.	string
aws_nodes *optional*	Number of nodes on cluster.	integer
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cluster_id *optional*	AWS cluster ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
policy_name *optional*	Associated policy name.	string
port *optional*	Cluster port.	integer
publicly_accessible *optional*	Is cluster is publicly accessible.	boolean
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string

Name	Description	Schema
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
subnet_group_name *optional*	Redshift cluster subnet group name.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the resource.	string
username *optional*	Associated user's username.	string
zone *optional*	Redshift cluster zone.	string

6.87.4. Produces

- `application/json`

6.88. Delete a Redshift cluster snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/redshift_clusters/{id}/
```

6.88.1. Description

This endpoint deletes the Redshift cluster snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete a Redshift snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.88.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.88.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.89. Recover Redshift cluster from backup

```
POST /api/aws/backups/{backup_id}/snapshots/redshift_clusters/{snapshot_record_id}/recover/
```

6.89.1. Description

This endpoint recovers the Redshift cluster of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/redshift_clusters/`

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

6.89.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_redshift_clusters_recover_create** *required*	data_aws_backups_snapshots_redshift_clusters_recover_create

data_aws_backups_snapshots_redshift_clusters_recover_create

Name	Description	Schema
aws_resource_id *required*	New unique identifier of the restored resource.	string
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_redshift_clusters_recover_create_credentials

Name	Description	Schema
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*	List of tags to add to the new resource.	string
to_account *optional*	Restore to account.	string
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_redshift_clusters_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.89.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_redshift_clusters_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_redshift_clusters_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer

Name	Description	Schema
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_redshift_clusters_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string

Name	Description	Schema
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_redshift_clusters_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_redshift_clusters_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_redshift_clusters_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.89.4. Consumes

- `application/json`

6.89.5. Produces

- `application/json`

6.90. List the S3 RDS snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/s3_rds_databases/
```

6.90.1. Description

This endpoint returns a list of the S3 RDS snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.90.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number

Type	Name	Description	Schema
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

6.90.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_s3_rds_databases_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_s3_rds_databases_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
archive_status *optional*	Status of snapshot's Archive operation, if performed.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
parameter_group *optional*		string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
region *optional*	Snapshot's region ID.	string
repository_id *optional*	ID of the S3 Repository where snapshot is stored.	string
retrieve_expiration *optional*	If archived snapshot was retrieved backup to S3 in order to restrore, this is the retrieved data's expiration date.	string
retrieve_status *optional*	Status of archived snapshot's Retrieve operation, if performed.	string
security_groups *optional*		< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup status. **Allowed Enum Values** * U (In progress) * S (Success) * F (Failed) * X (Expired) * D (Deleted)	enum (U, S, F, X, D)
storage_type *optional*	Storage type.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tier *optional*	Current snapshot life-cycle tier. **Allowed Enum Values** * S (S3) * A (Archived)	enum (S, A)
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.90.4. Produces

- `application/json`

6.91. Retrieve a S3 RDS snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/s3_rds_databases/{id}/
```

6.91.1. Description

This endpoint returns the S3 RDS snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of backup record.
* Root user can also get the snapshots of backup record of the managed users.
* Delegates can get the snapshots of backup record of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.91.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.91.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_s3_rds_databases_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_s3_rds_databases_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
archive_status *optional*	Status of snapshot's Archive operation, if performed.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
engine *optional*		string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
parameter_group *optional*		string
policy_name *optional*	Associated policy name.	string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean

Name	Description	Schema
region *optional*	Snapshot's region ID.	string
repository_id *optional*	ID of the S3 Repository where snapshot is stored.	string
retrieve_expiration *optional*	If archived snapshot was retrieved backup to S3 in order to restrore, this is the retrieved data's expiration date.	string
retrieve_status *optional*	Status of archived snapshot's Retrieve operation, if performed.	string
security_groups *optional*		< string > array
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*		string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status. **Allowed Enum Values** * U (In progress) * S (Success) * F (Failed) * X (Expired) * D (Deleted)	enum (U, S, F, X, D)
storage_type *optional*	Storage type.	string
subnet_group_name *optional*	Name of AWS subnet group.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean

Name	Description	Schema
tier *optional*	Current snapshot life-cycle tier. **Allowed Enum Values** * S (S3) * A (Archived)	enum (S, A)
username *optional*	Associated user's username.	string
vpc *optional*	ID of VPC.	string
zone *optional*	Availability zone of the resource.	string

6.91.4. Produces

- `application/json`

6.92. Recover RDS database from a snapshot stored in S3

```
POST /api/aws/backups/{backup_id}/snapshots/s3_rds_databases/{snapshot_record_id}/recover/
```

6.92.1. Description

This endpoint recovers an RDS database from an S3 snapshot whose ID is passed in the URL path.

Permissions and Restrictions:
* Recovery is possible on a successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/s3_rds_databases/`

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.2.0`

6.92.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_s3_rds_databases_recover_create** *required*	data_aws_backups_snapshots_s3_rds_databases_recover_create

data_aws_backups_snapshots_s3_rds_databases_recover_create

Name	Description	Schema
aws_resource_id *required*	New unique identifier of the restored resource.	string
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_s3_rds_databases_recover_create_credentials

Name	Description	Schema
db_instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
db_user_password *required*	Password for the admin user of the recovered DB instance	string
db_username *required*	Admin user for the recovered DB instance	string
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
parameter_group *optional*		string
port *optional*	Port number on which the database accepts connections.	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
retrieve_options *optional*		data_aws_backups_snapshots_s3_rds_databases_recover_create_retrieve_options
security_groups *optional*	Security groups to configure the recovered RDS, default as the original RDS.	< string > array
storage_type *optional*	Storage type. If type is not 'io1' or 'io2' or 'gp3', iops = 0 **Allowed Enum Values** * standard (Magnetic) * io1 (Provisioned IOPS SSD (io1)) * io2 (Provisioned IOPS SSD (io2)) * gp2 (General Purpose SSD (gp2)) * gp3 (General Purpose SSD (gp3))	enum (standard, io1, io2, gp2, gp3)
subnet_group_name *optional*	Name of the subnet group where the resource will be restored.	string
tags *optional*		string
throughput *optional*		integer
to_account *optional*	Restore to account.	string

Name	Description	Schema
to_region *optional*	Target region for the recovered DB instance	integer
vpc *optional*	ID of VPC.	string
worker_configuration *optional*	Configuration parameters for the worker performing the recovery	data_aws_backups_snapshots_s3_rds_databases_recover_create_worker_configuration
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_s3_rds_databases_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

data_aws_backups_snapshots_s3_rds_databases_recover_create_retrieve_options

Name	Description	Schema
days_to_keep *optional*		integer
retrieval_tier *required*	**Allowed Enum Values** * E (Expedited) * S (Standard) * B (Bulk)	enum (E, S, B)

data_aws_backups_snapshots_s3_rds_databases_recover_create_worker_configuration

Name	Description	Schema
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *required*	Security group of worker configuration.	string
aws_subnet *required*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be `Any`.	string
aws_vpc *required*	VPC of worker configuration.	string

Name	Description	Schema
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
worker_role_arn *optional*		string

6.92.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_s3_rds_databases_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_s3_rds_databases_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string

Name	Description	Schema
glacier_retrieve_status *optional*		response_aws_backups_snapshots_s3_rds_databases_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string

Name	Description	Schema
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_s3_rds_databases_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_s3_rds_databases_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_s3_rds_databases_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.92.4. Consumes

- `application/json`

6.92.5. Produces

- `application/json`

6.93. List the Sap Hana DB snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/sap_hana_dbs/
```

6.93.1. Description

This endpoint returns a list of the Sap Hana DB snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.93.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**database_name** *optional*	Snapshot database name.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number
Query	**resource** *optional*	None	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

6.93.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_sap_hana_dbs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_sap_hana_dbs_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
database_name *optional*	Snapshot database name.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
instance_backup_record_id *optional*		string
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_path *optional*	Snapshot path in S3 Bucket.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
username *optional*	Associated user's username.	string

6.93.4. Produces

- `application/json`

6.94. Retrieve a Sap Hana DB snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/sap_hana_dbs/{id}/
```

6.94.1. Description

This endpoint returns the Sap Hana DB snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.94.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.94.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_sap_hana_dbs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_sap_hana_dbs_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
database_name *optional*	Snapshot database name.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_backup_record_id *optional*		string
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_path *optional*	Snapshot path in S3 Bucket.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string

Name	Description	Schema
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
username *optional*	Associated user's username.	string

6.94.4. Produces

- `application/json`

6.95. Delete a Sap Hana DB snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/sap_hana_dbs/{id}/
```

6.95.1. Description

This endpoint deletes the Sap Hana DB snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

6.95.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.95.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.96. List the volume snapshots of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/volumes/
```

6.96.1. Description

This endpoint returns a list of the volume snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

6.96.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Associated account name.	string
Query	**aws_region** *optional*	Snapshot's AWS text region.	string
Query	**aws_resource_id** *optional*	ID of the resource in AWS.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	Snapshot's region ID.	number

Type	Name	Description	Schema
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

6.96.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_snapshots_volumes_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_snapshots_volumes_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
capacity *optional*	Capacity of the volume (Gib).	integer
cbt_changed_size_mb *optional*		integer
cbt_valid_size_mb *optional*		integer
deletion_time *optional*	Time of the snapshot's deletion.	string
device *optional*	Device of volume.	string

Name	Description	Schema
encrypted *optional*	Whether the resource is encrypted or not.	boolean
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
import_s3 *optional*	Snapshot was not generated by N2WS and was imported to s3.	boolean
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the volume.	string
throughput *optional*	The throughput that the volume can support.	integer

Name	Description	Schema
type *optional*	Volume type.	string
username *optional*	Associated user's username.	string
zone *optional*	Volume zone.	string

6.96.4. Produces

- `application/json`

6.97. Retrieve a volume snapshot of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/volumes/{id}/
```

6.97.1. Description

This endpoint returns the volume snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

6.97.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.97.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_snapshots_volumes_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_snapshots_volumes_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
capacity *optional*	Capacity of the volume (Gib).	integer
cbt_changed_size_mb *optional*		integer
cbt_valid_size_mb *optional*		integer
deletion_time *optional*	Time of the snapshot's deletion.	string
device *optional*	Device of volume.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
import_s3 *optional*	Snapshot was not generated by N2WS and was imported to s3.	boolean
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
iops *optional*	Number of IOPS.	integer
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer

Name	Description	Schema
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Tags of the volume.	string
throughput *optional*	The throughput that the volume can support.	integer
type *optional*	Volume type.	string
username *optional*	Associated user's username.	string
zone *optional*	Volume zone.	string

6.97.4. Produces

- `application/json`

6.98. Delete a volume snapshot of a backup record

```
DELETE /api/aws/backups/{backup_id}/snapshots/volumes/{id}/
```

6.98.1. Description

This endpoint deletes the volume snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the snapshot of a backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.98.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

6.98.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.99. Recover volume from backup

```
POST /api/aws/backups/{backup_id}/snapshots/volumes/{snapshot_record_id}/recover/
```

6.99.1. Description

This endpoint recovers the volume of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/{backup_id}/snapshots/volumes/`

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.7.0`

6.99.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_volumes_recover_create** *required*	data_aws_backups_snapshots_volumes_recover_create

data_aws_backups_snapshots_volumes_recover_create

Name	Description	Schema
attach_behaviour *optional*	**Allowed Enum Values** * attach_free (Attach only if Device is Free.) * switch_no_delete (Switch Attached Volumes.) * switch_and_delete (Switch Attached Volumes and Delete Old Ones.)	enum (attach_free, switch_no_delete, switch_and_delete)

Name	Description	Schema
attach_to *optional*	AWS instance ID to attach the newly recovered volume.	string
aws_resource_type *optional*	Type of the EBS volume.	string
capacity *optional*	Capacity of a volume.	integer
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_volumes_recover_create_credentials
device *optional*	Which device it will be attached as. This is only used if you choose to automatically attach the recovered volume to an instance.	string
iops *optional*	Number of IOPS.	integer
preserve_tags *optional*	Whether to associate the same tags (like the volume's name) to the recovered volume. Default is true.	boolean
tags *optional*		string
throughput *optional*	The throughput that the volume can support.	integer
to_account *optional*	Restore to account.	integer
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_volumes_recover_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

6.99.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_volumes_recover_create

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_volumes_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_volumes_recover_create_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string

Name	Description	Schema
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_volumes_recover_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_volumes_recover_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_volumes_recover_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.99.4. Consumes

- `application/json`

6.99.5. Produces

- `application/json`

6.100. Recover s3 volume from backup

```
POST /api/aws/backups/{backup_id}/snapshots/volumes/{snapshot_record_id}/recover_from_s3/
```

6.100.1. Description

This endpoint recovers the s3 volume of a backup record for the ID passed in the URL path.
For a different availability zone than N2WS's on worker configuration define VPC, subnet and security groupin worker_configuration.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Recover volume from s3 is possible on instance backup volume.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/aws/backups/<backup_id>/snapshots/volumes/`

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `2.2.0`

6.100.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_aws_backups_snapshots_volumes_recover_from_s3_create** *required*	data_aws_backups_snapshots_volumes_recover_from_s3_create

data_aws_backups_snapshots_volumes_recover_from_s3_create

Name	Description	Schema
attach_behaviour *optional*	**Allowed Enum Values** * attach_free (Attach only if Device is Free.) * switch_no_delete (Switch Attached Volumes.) * switch_and_delete (Switch Attached Volumes and Delete Old Ones.)	enum (attach_free, switch_no_delete, switch_and_delete)
attach_to *optional*	AWS instance ID to attach the newly recovered volume.	string
aws_resource_type *optional*	Type of the EBS volume.	string
capacity *optional*	Capacity of a volume.	integer
credentials *optional*	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	data_aws_backups_snapshots_volumes_recover_from_s3_create_credentials
device *optional*	Which device it will be attached as. This is only used if you choose to automatically attach the recovered volume to an instance.	string
encryption_key *optional*	Encryption key for target region of volume.	string
iops *optional*	Number of IOPS.	integer
preserve_tags *optional*	Whether to associate the same tags (like the volume's name) to the recovered volume. Default is true.	boolean
region *optional*	Target region for the volume recover.	string
retrieve_options *optional*	Retrieval parameters to use if retrieval of data from Glacier to S3 is required.	data_aws_backups_snapshots_volumes_recover_from_s3_create_retrieve_options
throughput *optional*	The throughput that the volume can support.	integer
to_account *optional*	Restore to account.	integer

Name	Description	Schema
worker_configuration *optional*	If set, the supplied worker configuration will be used. Otherwise, the worker configuration will be build.	data_aws_backups_snapshots_volumes_recover_from_s3_create_worker_configuration
zone *optional*	Availability zone of the resource.	string

data_aws_backups_snapshots_volumes_recover_from_s3_create_credentials

Name	Schema
aws_access_key *optional*	string
aws_secret_key *optional*	string

data_aws_backups_snapshots_volumes_recover_from_s3_create_retrieve_options

Name	Description	Schema
days_to_keep *optional*		integer
retrieval_tier *required*	**Allowed Enum Values** * E (Expedited) * S (Standard) * B (Bulk)	enum (E, S, B)

data_aws_backups_snapshots_volumes_recover_from_s3_create_worker_configuration

Name	Description	Schema
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *required*	Security group of worker configuration.	string
aws_subnet *required*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be `Any`.	string
aws_vpc *required*	VPC of worker configuration.	string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string

Name	Description	Schema
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
worker_role_arn *optional*		string

6.100.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_backups_snapshots_volumes_recover_from_s3_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_backups_snapshots_volumes_recover_from_s3_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_backups_snapshots_volumes_recover_from_s3_create_glacier_retrieve_status

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)

Name	Description	Schema
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_backups_snapshots_volumes_recover_from_s3_create_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_backups_snapshots_volumes_recover_from_s3_create_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_snapshots_volumes_recover_from_s3_create_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.100.4. Consumes

- `application/json`

6.100.5. Produces

- `application/json`

6.101. Move a backup record to the freezer

```
POST /api/aws/backups/{backup_id}/to_freezer/
```

6.101.1. Description

This endpoint moves a backup record to the freezer.

Permissions and Restrictions:
* Any authenticated user with change backup permissions can move a backup to the freezer.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

6.101.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Body	**data_aws_backups_to_freezer_create** *required*	data_aws_backups_to_freezer_create

data_aws_backups_to_freezer_create

Name	Description	Schema
description *required*	Backup record's new freezer policy description.	string
name *required*	Backup record's new freezer policy name.	string

6.101.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_backups_to_freezer_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_to_freezer_create

Name	Description	Schema
account *optional*	ID of the account this backup is associated with.	integer
description *optional*	Description for the resource.	string
dr_account_regions *optional*	Target regions in the DR account to copy to. Can be one or multiple regions.	string
dr_regions *optional*	DR region.	string
dr_status *optional*	Backup's DR status. **Allowed Enum Values** * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
end_time *optional*	Backup's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_retry *optional*	Whether this backup is a retry attempt or not.	boolean
marked_for_deletion *optional*	Whether this backup is marked for deletion or not.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
performed_quiecse *optional*	Whether quiesce was performed or not.	boolean
policy *optional*	Policy that the backup is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup's status. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Backup Successful) * A (Backup Partially Successful) * S (Not All Snapshots Succeeded) * D (All Snapshots Deleted) * F (Backup Failed) * M (Moved to storage repository) * G (Moved to archive within storage repository)	enum (I, P, B, A, S, D, F, M, G)
user *optional*	ID of the owner user.	integer

6.101.4. Consumes

- `application/json`

6.101.5. Produces

- `application/json`

6.102. Retrieve a N2WS backup record

```
GET /api/aws/backups/{id}/
```

6.102.1. Description

This endpoint returns the N2WS backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own backup records.
* Root user can also get the backup records of the managed users.
* Delegates can get the backup records of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.3.0`

6.102.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

6.102.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_read

Name	Description	Schema
account *optional*	ID of the account this backup is associated with.	integer
cloud *optional*		string
description *optional*	Description for the resource.	string

Name	Description	Schema
dr_account_regions *optional*	Target regions in the DR account to copy to. Can be one or multiple regions.	string
dr_regions *optional*	DR region.	string
dr_status *optional*	Backup's DR status. **Allowed Enum Values** * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
end_time *optional*	Backup's end time.	string
glacier_archive_status *optional*	Status of the archive to Glacier.	response_aws_backups_read_glacier_archive_status
id *optional*	Unique ID of the resource in N2WS.	integer
is_backup_record_empty *optional*	Does this backup have snapshots?	boolean
is_freezer_item *optional*	Whether this backup item was moved to freezer or not.	boolean
is_recoverable *optional*	Can this backup be recovered.	boolean
is_retry *optional*	Whether this backup is a retry attempt or not.	boolean
marked_for_deletion *optional*	Whether this backup is marked for deletion or not.	boolean
move_to_freezer_enabled *optional*		boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
performed_quiecse *optional*	Whether quiesce was performed or not.	boolean
policy *optional*	Policy that the backup is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean

Name	Description	Schema
s3_copy_status *optional*	Copy to S3 status (license dependent).	response_aws_backups_read_s3_copy_status
start_time *optional*	Backup's start time.	string
status *optional*	Backup's status. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Backup Successful) * A (Backup Partially Successful) * S (Not All Snapshots Succeeded) * D (All Snapshots Deleted) * F (Backup Failed) * M (Moved to storage repository) * G (Moved to archive within storage repository)	enum (I, P, B, A, S, D, F, M, G)
user *optional*	ID of the owner user.	integer

response_aws_backups_read_glacier_archive_status

Name	Description	Schema
progress_percent *optional*		string
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_read_s3_copy_status

Name	Description	Schema
progress_percent *optional*		integer

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.102.4. Produces

- `application/json`

6.103. Update a N2WS freezer backup record

```
PUT /api/aws/backups/{id}/
```

6.103.1. Description

This endpoint updates the freezer backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user with `allow_backup_changes` can update freezer backup record.
* Root user can also update freezer backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes`can update freezer backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.103.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_backups_update** *required*	data_aws_backups_update

data_aws_backups_update

Name	Description	Schema
description *required*	Description for the resource.	string
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string

6.103.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_backups_update
400	Bad Request	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content
404	Not Found	No Content

response_aws_backups_update

Name	Description	Schema
account *optional*	ID of the account this backup is associated with.	integer
cloud *optional*		string
description *optional*	Description for the resource.	string
dr_account_regions *optional*	Target regions in the DR account to copy to. Can be one or multiple regions.	string
dr_regions *optional*	DR region.	string
dr_status *optional*	Backup's DR status. **Allowed Enum Values** * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
end_time *optional*	Backup's end time.	string
glacier_archive_status *optional*	Status of the archive to Glacier.	response_aws_backups_update_glacier_archive_status
id *optional*	Unique ID of the resource in N2WS.	integer
is_backup_record_empty *optional*	Does this backup have snapshots?	boolean
is_freezer_item *optional*	Whether this backup item was moved to freezer or not.	boolean
is_recoverable *optional*	Can this backup be recovered.	boolean

Name	Description	Schema
is_retry *optional*	Whether this backup is a retry attempt or not.	boolean
marked_for_deletion *optional*	Whether this backup is marked for deletion or not.	boolean
move_to_freezer_enabled *optional*		boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
performed_quiecse *optional*	Whether quiesce was performed or not.	boolean
policy *optional*	Policy that the backup is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean
s3_copy_status *optional*	Copy to S3 status (license dependent).	response_aws_backups_update_s3_copy_status
start_time *optional*	Backup's start time.	string
status *optional*	Backup's status. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Backup Successful) * A (Backup Partially Successful) * S (Not All Snapshots Succeeded) * D (All Snapshots Deleted) * F (Backup Failed) * M (Moved to storage repository) * G (Moved to archive within storage repository)	enum (I, P, B, A, S, D, F, M, G)
user *optional*	ID of the owner user.	integer

response_aws_backups_update_glacier_archive_status

Name	Description	Schema
progress_percent *optional*		string

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_backups_update_s3_copy_status

Name	Description	Schema
progress_percent *optional*		integer
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

6.103.4. Consumes

- `application/json`

6.103.5. Produces

- `application/json`

6.104. Delete a N2WS freezer backup record

```
DELETE /api/aws/backups/{id}/
```

6.104.1. Description

This endpoint deletes the N2WS freezer backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own freezer backup record.
* Root user can also delete freezer backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the freezer backup record for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

6.104.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

6.104.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

6.105. List the selected logs - backup record

```
GET /api/aws/backups/{id}/logs/
```

6.105.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.1.0`

6.105.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**severity** *optional*	None	string

6.105.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_backups_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_backups_list_logs

Name	Description	Schema
log *optional*	Log message.	string

Name	Description	Schema
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

6.105.4. Produces

- `application/json`
- `text/csv`

Chapter 7. AWS Captured Tgws

7.1. List captured Transit Gateways

```
GET /api/aws/captured_tgws/
```

7.1.1. Description

This endpoint returns a list of captured Transit Gateways.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own captured Transit Gateways.
* Root user can also get the captured Transit Gateways of the managed users.
* Delegates can get the captured Transit Gateways of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

7.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the associated account.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * region	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	VPC region.	number
Query	**search** *optional*	Search term to look for in the fields: *	string
Query	**user** *optional*	ID of the owner user.	string

7.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_captured_tgws_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_captured_tgws_list

Name	Description	Schema
account *optional*	ID of the associated account.	integer
capture_time *optional*	Time when the VPC data was captured.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
region *optional*	VPC region.	string
template_size *optional*	Estimated size of CloudFormation template that constructs this VPC on clone operation.	integer
tgw_aws_id *optional*		string

7.1.4. Produces

- `application/json`

Chapter 8. AWS Captured Vpcs

8.1. List captured VPCs

```
GET /api/aws/captured_vpcs/
```

8.1.1. Description

This endpoint returns a list of captured VPCs.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own captured VPCs.
* Root user can also get the captured VPCs of the managed users.
* Delegates can get the captured VPCs of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

8.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the associated account.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * region	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	VPC region.	number
Query	**search** *optional*	Search term to look for in the fields: *	string
Query	**user** *optional*	ID of the owner user.	string

8.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_captured_vpcs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_captured_vpcs_list

Name	Description	Schema
account *optional*	ID of the associated account.	integer
capture_time *optional*	Time when the VPC data was captured.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
region *optional*	VPC region.	string
template_size *optional*	Estimated size of CloudFormation template that constructs this VPC on clone operation.	integer
vpc_aws_id *optional*	ID of the VPC in AWS.	string

8.1.4. Produces

- `application/json`

8.2. List the selected logs - last captured vpc

```
GET /api/aws/captured_vpcs/logs/
```

8.2.1. Description

This endpoint returns the logs for the last captured VPC clone.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

8.2.2. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_captured_vpcs_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_captured_vpcs_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

8.2.3. Produces

- `application/json`
- `text/csv`

8.3. Retrieve a captured VPC

```
GET /api/aws/captured_vpcs/{id}/
```

8.3.1. Description

This endpoint returns the VPC for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own captured VPCs.
* Root user can also get the captured VPCs of the managed users.
* Delegates can get the captured VPCs of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

8.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

8.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_captured_vpcs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_captured_vpcs_read

Name	Description	Schema
account *optional*	ID of the associated account.	integer
capture_time *optional*	Time when the VPC data was captured.	string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
name *optional*	Name of the resource.	string
region *optional*	VPC region.	string
template_size *optional*	Estimated size of CloudFormation template that constructs this VPC on clone operation.	integer
vpc_aws_id *optional*	ID of the VPC in AWS.	string

8.3.4. Produces

- `application/json`

8.4. Download a VPC's CloudFormation template

```
GET /api/aws/captured_vpcs/{id}/cloudformation_template/
```

8.4.1. Description

This endpoint downloads a VPC's CloudFormation template.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`
- ***Deprecated since:*** `2.1.0`

8.4.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**bucket_name** *optional*	Name of an existing S3 bucket on the destination region.	string
Query	**to_account** *required*	Destination account ID.	number
Query	**to_region** *required*	Destination AWS region name.	string
Query	**to_vpc** *required*	New VPC name.	string

8.4.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

8.4.4. Produces

- `application/json`
- `application/zip`

8.5. Download a Transit Gateway's CloudFormation template

```
GET /api/aws/captured_vpcs/{id}/cloudformation_template/tgw/
```

8.5.1. Description

This endpoint downloads a Transit Gateway's CloudFormation template.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

8.5.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**bucket_name** *optional*	Name of an existing S3 bucket on the destination region.	string
Query	**to_account** *required*	Destination account ID.	number
Query	**to_region** *required*	Destination AWS region name.	string
Query	**to_tgw** *required*	New Transit Gateway name.	string

8.5.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

8.5.4. Produces

- `application/json`
- `application/zip`

8.6. Download a VPC's CloudFormation template

```
GET /api/aws/captured_vpcs/{id}/cloudformation_template/vpc/
```

8.6.1. Description

This endpoint downloads a VPC's CloudFormation template.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

8.6.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**bucket_name** *optional*	Name of an existing S3 bucket on the destination region.	string
Query	**to_account** *required*	Destination account ID.	number
Query	**to_region** *required*	Destination AWS region name.	string
Query	**to_vpc** *required*	New VPC name.	string

8.6.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

8.6.4. Produces

- `application/json`
- `application/zip`

Chapter 9. AWS Cost Explorer

9.1. List blended costs for storage of backup target snapshots in the given time frame for several policies

```
GET /api/aws/cost_explorer/backup_costs/
```

9.1.1. Description

This endpoint lists the costs for storage of AWS snapshots that were created for the policies of the given user, in the given time frame.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Authenticated user which is permitted to use this API can see the costs of his own policies.
* Root and independent users can also see the costs for policies of the managed users.
* Delegates can see the costs for policies of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

9.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Account the policy is associated with.	string
Query	**enabled** *optional*	If set, the policy will be enabled.	string
Query	**end_date** *required*	End date for the cost estimation time frame.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * enabled * generations * name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**schedules** *optional*	Schedule IDs associated with this policy for when to backup.	string
Query	**search** *optional*	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule	string
Query	**start_date** *required*	Start date for the cost estimation time frame.	string
Query	**user** *optional*	ID of the owner user.	string

9.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_cost_explorer_backup_costs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_cost_explorer_backup_costs_list

Name	Description	Schema
blended_costs *optional*	Blended costs (USD) for storage of AWS snapshots.	number
cloud *optional*		string
end_date *optional*	End date for the cost estimation time frame.	string
policy *optional*	Policy ID of the policy whose costs are to be displayed.	integer
start_date *optional*	Start date for the cost estimation time frame.	string
user *optional*	User ID of the user whose policies costs are to be displayed.	integer

9.1.4. Produces

- `application/json`

9.2. Test cost explorer for storage of backup target snapshots for last week

```
GET /api/aws/cost_explorer/backup_costs/test_root_cost_explorer/
```

9.2.1. Description

This endpoint Test cost explorer for storage of backup target snapshots for last week.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Available only for root user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

9.2.2. Responses

HTTP Code	Description	Schema
200	OK	response_aws_cost_explorer_backup_costs_test_root_cost_explorer
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_cost_explorer_backup_costs_test_root_cost_explorer

Name	Description	Schema
blended_costs *optional*	Blended costs (USD) for storage of AWS snapshots.	number
cloud *optional*		string
end_date *optional*	End date for the cost estimation time frame.	string
policy *optional*	Policy ID of the policy whose costs are to be displayed.	integer
start_date *optional*	Start date for the cost estimation time frame.	string

Name	Description	Schema
user *optional*	User ID of the user whose policies costs are to be displayed.	integer

9.2.3. Produces

- `application/json`

9.3. Retrieve policy's blended costs for storage of backup target snapshots in the given time frame

```
GET /api/aws/cost_explorer/backup_costs/{id}/
```

9.3.1. Description

This endpoint retrieves the costs for storage of AWS snapshots that were created for the specified policy in the given time frame.

Permissions and Restrictions:
* Authenticated user which is permitted to use this API can see the costs of his own policies.
* Root and independent users can also see the costs for policies of the managed users.
* Delegates can see the costs for policies of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

9.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

9.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_cost_explorer_backup_costs_read > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_cost_explorer_backup_costs_read

Name	Description	Schema
blended_costs *optional*	Blended costs (USD) for storage of AWS snapshots.	number

Name	Description	Schema
cloud *optional*		string
end_date *optional*	End date for the cost estimation time frame.	string
policy *optional*	Policy ID of the policy whose costs are to be displayed.	integer
start_date *optional*	Start date for the cost estimation time frame.	string
user *optional*	User ID of the user whose policies costs are to be displayed.	integer

9.3.4. Produces

- `application/json`

9.4. Refresh cached predicted hourly cost of all resource control groups

```
POST /api/aws/cost_explorer/resource_control_savings/
```

9.4.1. Description

This endpoint refreshes the cached predicted hourly cost of all resource control groups.

Permissions and Restrictions:
* Any authenticated user can refresh savings prediction for his own resource control groups.
* Root and independent users can also refresh the savings prediction for resource control groups of the managed users.
* Delegates can refresh the savings prediction for resource control groups of their original user.
* This API is license dependent.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

9.4.2. Responses

HTTP Code	Description	Schema
200	OK	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

9.5. List cached monthly savings predictions per resource control group

```
GET /api/aws/cost_explorer/resource_control_savings/
```

9.5.1. Description

This endpoint returns a list of cached monthly savings predictions per resource control group.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get savings prediction for his own resource control groups.
* Root and independent users can also get the savings prediction for resource control groups of the managed users.
* Delegates can get the savings prediction for resource control groups of their original user.
* This API is license dependent.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

9.5.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Account the resource control group is associated with.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * enabled * name * timeout * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * name * account	string

Type	Name	Description	Schema
Query	**user** *optional*	ID of the owner user.	string

9.5.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_cost_explorer_resource_control_savings_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_cost_explorer_resource_control_savings_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
enabled *optional*	If set, the resource control group is enabled.	boolean
end_time *optional*	Resource control group savings prediction end time (one month after time of request).	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
start_time *optional*	Resource control group savings prediction start time (time of request).	string
total_downtime_hours *optional*	Total resource control group downtime during prediction period (hours).	number
total_savings_usd *optional*	Monthly savings prediction of the resource control group (USD).	number
user *optional*	ID of the owner user.	integer

9.5.4. Produces

- `application/json`

9.6. Retrieve a cached monthly savings prediction for a resource control group

```
GET /api/aws/cost_explorer/resource_control_savings/{id}/
```

9.6.1. Description

This endpoint returns the cached monthly savings prediction of the resource control group whose id is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get savings prediction for his own resource control groups.
* Root and independent users can also get the savings prediction for resource control groups of the managed users.
* Delegates can get the savings prediction for resource control groups of their original user.
* This API is license dependent.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

9.6.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

9.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_cost_explorer_resource_control_savings_read > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_cost_explorer_resource_control_savings_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
enabled *optional*	If set, the resource control group is enabled.	boolean
end_time *optional*	Resource control group savings prediction end time (one month after time of request).	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
start_time *optional*	Resource control group savings prediction start time (time of request).	string
total_downtime_hours *optional*	Total resource control group downtime during prediction period (hours).	number
total_savings_usd *optional*	Monthly savings prediction of the resource control group (USD).	number
user *optional*	ID of the owner user.	integer

9.6.4. Produces

- `application/json`

9.7. Refresh cached predicted hourly cost of a resource control group

```
PUT /api/aws/cost_explorer/resource_control_savings/{id}/
```

9.7.1. Description

This endpoint refreshes the cached predicted hourly cost of a resource control group whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can refresh savings prediction for his own resource control groups.
* Root and independent users can also refresh the savings prediction for resource control groups of the managed users.
* Delegates can refresh the savings prediction for resource control groups of their original user.
* This API is license dependent.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

9.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

9.7.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 10. AWS Explore Sessions

10.1. Create an explore session

```
POST /api/aws/explore_sessions/
```

10.1.1. Description

This endpoint creates a new explore session.

Permissions and Restrictions:
* Any authenticated user can create a new explore session for himself.
* Root user can also create a new explore session for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can create a new explore session for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.0.0`

10.1.2. Parameters

Type	Name	Schema
Body	**data_aws_explore_sessions_create** *required*	data_aws_explore_sessions_create

data_aws_explore_sessions_create

Name	Description	Schema
aws_instance_id *optional*	ID of the resource in AWS.	string
aws_volume_ids *optional*	AWS volume IDs.	< string > array
backup_record *required*	ID of Backup record associated with the explore session.	integer
from_account *optional*	Restore from account.	integer
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer
region *optional*	ID of a region to restore from.	integer

Name	Description	Schema
source *optional*	Source to recover from. **Allowed Enum Values** * E (EBS) * S (S3)	enum (E, S)

10.1.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_explore_sessions_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_explore_sessions_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_instance_id *optional*	ID of the resource in AWS.	string
aws_volume_ids *optional*	AWS volume IDs.	< string > array
backup_record *optional*	ID of Backup record associated with the explore session.	integer
cloud *optional*	Cloud name.	string
explore_type *optional*	Type of the explore session. **Allowed Enum Values** * I (Instance Volumes) * V (Independent Volumes) * D (RDS) * R (Redshift Cluster)	enum (I, V, D, R)
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string

Name	Description	Schema
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer
policy *optional*	ID of the policy this resource is associated with.	integer
session_path *optional*	Path for the explore session.	string
start_time *optional*	Explore session's start time.	string
status *optional*	Explore session's status. **Allowed Enum Values** * U (Undefined) * S (Session ended successfully) * P (Session expiration is in progress) * F (Session failure) * N (Open session is running)	enum (U, S, P, F, N)

10.1.4. Consumes

- `application/json`

10.1.5. Produces

- `application/json`

10.2. List explore sessions

```
GET /api/aws/explore_sessions/
```

10.2.1. Description

This endpoint returns a list of explore sessions.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own explore sessions.
* Root user can also get the explore sessions of the managed users.
* Delegates can get the explore sessions of their original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.0.0`

10.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**backup_record** *optional*	ID of Backup record associated with the explore session.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * start_time	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	ID of the policy this resource is associated with.	string
Query	**search_by_instance** *optional*	Return sessions of backups which targeted an instance with an AWS ID which includes the given search term.	string
Query	**search_by_volume** *optional*	Return sessions of backups which targeted a volume with an AWS ID which includes the given search term.	string

Type	Name	Description	Schema
Query	**status** *optional*	Explore session's status.	string

10.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_explore_sessions_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_explore_sessions_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_instance_id *optional*	ID of the resource in AWS.	string
aws_volume_ids *optional*	AWS volume IDs.	< string > array
backup_record *optional*	ID of Backup record associated with the explore session.	integer
cloud *optional*	Cloud name.	string
explore_type *optional*	Type of the explore session. **Allowed Enum Values** * I (Instance Volumes) * V (Independent Volumes) * D (RDS) * R (Redshift Cluster)	enum (I, V, D, R)
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer
policy *optional*	ID of the policy this resource is associated with.	integer

Name	Description	Schema
session_path *optional*	Path for the explore session.	string
start_time *optional*	Explore session's start time.	string
status *optional*	Explore session's status. **Allowed Enum Values** * U (Undefined) * S (Session ended successfully) * P (Session expiration is in progress) * F (Session failure) * N (Open session is running)	enum (U, S, P, F, N)

10.2.4. Produces

- `application/json`

10.3. Expire all running explore sessions

```
DELETE /api/aws/explore_sessions/
```

10.3.1. Description

This endpoint expires all running explore sessions.

Permissions and Restrictions:
* Any authenticated user can delete his own explore sessions.
* Root user can also delete explore sessions for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can delete explore sessions for his original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

10.3.2. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

10.4. Retrieve the maximum available generations for explore session

```
POST /api/aws/explore_sessions/max_generations/
```

10.4.1. Description

This endpoint retrieves the maximum number of generations available for explore session.

Permissions and Restrictions:
* Any authenticated user can retrieve the maximum number of generations his own explore session.
* Root user can also retrieve the maximum number of generations for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can retrieve the maximum number of generations for his original user.

- *Initial Release:* `1.7.0`
- *Last Modified Version:* `1.7.0`

10.4.2. Parameters

Type	Name	Schema
Body	**data_aws_explore_sessions_max_generations** *required*	data_aws_explore_sessions_max_generations

data_aws_explore_sessions_max_generations

Name	Description	Schema
aws_instance_id *optional*	ID of the resource in AWS.	string
aws_volume_ids *optional*	AWS volume IDs.	< string > array
backup_record *required*	ID of Backup record associated with the explore session.	integer
from_account *optional*	Restore from account.	integer
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer

Name	Description	Schema
region *optional*	ID of a region to restore from.	integer
source *optional*	Source to recover from. **Allowed Enum Values** * E (EBS) * S (S3)	enum (E, S)

10.4.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_explore_sessions_max_generations
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_explore_sessions_max_generations

Name	Description	Schema
max_generations *optional*	Explore session maximum number of generations available	integer

10.4.4. Consumes

- `application/json`

10.4.5. Produces

- `application/json`

10.5. Prepare list of files and folders to be downloaded

```
POST /api/aws/explore_sessions/{explore_session_id}/download/
```

10.5.1. Description

This endpoint prepares a list of files and folders to be archived and download as a zip file.

Permissions and Restrictions:
* Any authenticated user with explore permissions to download his mounted files.



The actual download is performed using `GET` request and this API is prerequisite.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.6.0`

10.5.2. Parameters

Type	Name	Schema
Path	**explore_session_id** *required*	string
Body	**data_aws_explore_sessions_download_create** *required*	data_aws_explore_sessions_download_create

data_aws_explore_sessions_download_create

Name	Description	Schema
paths *required*	List of paths to archive together and download.	< string > array

10.5.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

10.5.4. Consumes

- `application/json`

10.6. Archive and download list of files and folders as a zip file

```
GET /api/aws/explore_sessions/{explore_session_id}/download/
```

10.6.1. Description

This endpoint archives and downloads a list of files and folders as a zip file.

Permissions and Restrictions:
* Any authenticated user with explore permissions to download his mounted files.



This download only works after preapeing the list of files and folders to be downloaded using `POST` request.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

10.6.2. Parameters

Type	Name	Description	Schema
Path	**explore_session_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

10.6.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

10.6.4. Produces

- `application/zip`

10.7. List file system entries via POST request

```
POST /api/aws/explore_sessions/{explore_session_id}/file_system_entries/
```

10.7.1. Description

This endpoint returns file system entries.

Permissions and Restrictions:
* Any authenticated user can get his own file system entries.
* Root user can also get the file system entries of the managed users.
* Delegates with `allow_file_level_restore` can get the file system entries of their original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `2.0.0`

10.7.2. Parameters

Type	Name	Schema
Path	**explore_session_id** *required*	string
Body	**data_aws_explore_sessions_file_system_entries_create** *required*	data_aws_explore_sessions_file_system_entries_create

data_aws_explore_sessions_file_system_entries_create

Name	Description	Schema
depth *optional*	Depth to explore sub directories.	string
do_async *optional*	If set the listing will be done async.	boolean
path *optional*	Target path explore. Empty path will use root as path.	string
search *optional*	Search string to narrow results.	string

10.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_explore_sessions_file_system_entries_create
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_explore_sessions_file_system_entries_create

Name	Description	Schema
children *optional*	List of all sub directories and files under the requested target.	< response_aws_explore_sessions_file_system_entries_create_children > array
depth *optional*	Depth to explore sub directories.	integer
modified_time *optional*	Modification time of the file system entry.	string
name *optional*	Name of the file system entry.	string
parent *optional*	Path of parent directory.	string
path *optional*	Target path explore. Empty path will use root as path.	string
size *optional*	Size of the file system entry.	integer
type *optional*	**Allowed Enum Values** * F (File) * D (Directory)	enum (F, D)
url_friendly_path *optional*	Path explored by the API call, with special escape characters handled.	string

response_aws_explore_sessions_file_system_entries_create_children

Name	Description	Schema
depth *optional*	Depth to explore sub directories.	integer
modified_time *optional*	Modification time of the file system entry.	string
name *optional*	Name of the file system entry.	string

Name	Description	Schema
parent *optional*	Path of parent directory.	string
path *optional*	Target path explore. Empty path will use root as path.	string
size *optional*	Size of the file system entry.	integer
type *optional*	**Allowed Enum Values** * F (File) * D (Directory)	enum (F, D)
url_friendly_path *optional*	Path explored by the API call, with special escape characters handled.	string

10.7.4. Consumes

- `application/json`

10.7.5. Produces

- `application/json`

10.8. List file system entries via GET request

```
GET /api/aws/explore_sessions/{explore_session_id}/file_system_entries/
```

10.8.1. Description

This endpoint returns file system entries.

Permissions and Restrictions:
* Any authenticated user can get his own file system entries.
* Root user can also get the file system entries of the managed users.
* Delegates with `allow_file_level_restore` can get the file system entries of their original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.0.0`

10.8.2. Parameters

Type	Name	Description	Schema
Path	**explore_session_id** *required*		string
Query	**depth** *optional*	Depth to explore sub directories.	string
Query	**do_async** *optional*	If set the listing will be done async.	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**path** *optional*	Target path explore. Empty path will use root as path.	string
Query	**search** *optional*	Search string to narrow results.	string

10.8.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_explore_sessions_file_system_entries_list > array

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_explore_sessions_file_system_entries_list

Name	Description	Schema
children *optional*	List of all sub directories and files under the requested target.	< response_aws_explore_sessions_file_system_entries_list_children > array
depth *optional*	Depth to explore sub directories.	integer
modified_time *optional*	Modification time of the file system entry.	string
name *optional*	Name of the file system entry.	string
parent *optional*	Path of parent directory.	string
path *optional*	Target path explore. Empty path will use root as path.	string
size *optional*	Size of the file system entry.	integer
type *optional*	**Allowed Enum Values** * F (File) * D (Directory)	enum (F, D)
url_friendly_path *optional*	Path explored by the API call, with special escape characters handled.	string

response_aws_explore_sessions_file_system_entries_list_children

Name	Description	Schema
depth *optional*	Depth to explore sub directories.	integer
modified_time *optional*	Modification time of the file system entry.	string
name *optional*	Name of the file system entry.	string

Name	Description	Schema
parent *optional*	Path of parent directory.	string
path *optional*	Target path explore. Empty path will use root as path.	string
size *optional*	Size of the file system entry.	integer
type *optional*	**Allowed Enum Values** * F (File) * D (Directory)	enum (F, D)
url_friendly_path *optional*	Path explored by the API call, with special escape characters handled.	string

10.8.4. Produces

- `application/json`

10.9. Reset the backup explore session timeout countdown

```
POST /api/aws/explore_sessions/{explore_session_id}/keep_alive/
```

10.9.1. Description

This endpoint resets the backup explore session timeout countdown.

Permissions and Restrictions:
* Any authenticated user can reset his own explore session timeout.
* Root user can also reset explore session's timeout for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can reset explore session's timeout for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

10.9.2. Parameters

Type	Name	Schema
Path	**explore_session_id** *required*	string

10.9.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

10.10. Retrieve an explore session

```
GET /api/aws/explore_sessions/{id}/
```

10.10.1. Description

This endpoint returns the explore session for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own explore sessions.
* Root user can also get the explore sessions of the managed users.
* Delegates can get the explore sessions of their original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.0.0`

10.10.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

10.10.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_explore_sessions_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_explore_sessions_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_instance_id *optional*	ID of the resource in AWS.	string
aws_volume_ids *optional*	AWS volume IDs.	< string > array

Name	Description	Schema
backup_record *optional*	ID of Backup record associated with the explore session.	integer
cloud *optional*	Cloud name.	string
explore_type *optional*	Type of the explore session. **Allowed Enum Values** * I (Instance Volumes) * V (Independent Volumes) * D (RDS) * R (Redshift Cluster)	enum (I, V, D, R)
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer
policy *optional*	ID of the policy this resource is associated with.	integer
session_path *optional*	Path for the explore session.	string
start_time *optional*	Explore session's start time.	string
status *optional*	Explore session's status. **Allowed Enum Values** * U (Undefined) * S (Session ended successfully) * P (Session expiration is in progress) * F (Session failure) * N (Open session is running)	enum (U, S, P, F, N)

10.10.4. Produces

- `application/json`

10.11. Expire an explore session

```
DELETE /api/aws/explore_sessions/{id}/
```

10.11.1. Description

This endpoint expires the explore session for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own explore sessions.
* Root user can also delete explore sessions for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can delete explore sessions for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

10.11.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

10.11.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 11. AWS Network Configuration Captures

11.1. List all Captures of the Network Configurations.

```
GET /api/aws/network_configuration_captures/
```

11.1.1. Description

This endpoint returns the list of all Captures of the Network Configurations.

Optional `pagination` parameters are listed below.

Permissions and Restrictions:
* The root user can get the list of all Captures of the Network Configurations.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

11.1.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

11.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_network_configuration_captures_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_network_configuration_captures_list

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*		string

11.1.4. Produces

- `application/json`

11.2. Retrieve the details of a log of a Capture Network Configurations operation.

```
GET /api/aws/network_configuration_captures/{id}/
```

11.2.1. Description

This endpoint returns the details of a log of a Capture Network Configurations operation.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* The root user can get the details of a log of a Capture Network Configurations operation.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

11.2.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

11.2.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_network_configuration_captures_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_network_configuration_captures_read

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*		string

11.2.4. Produces

- `application/json`

11.3. Download logs for the selected Capture Network Configurations operation.

```
GET /api/aws/network_configuration_captures/{id}/logs/
```

11.3.1. Description

This endpoint downloads the logs for the selected Capture Network Configurations operation.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

11.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

11.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_network_configuration_captures_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_network_configuration_captures_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

11.3.4. Produces

- application/json
- text/csv

Chapter 12. AWS Policies

12.1. Create a N2WS policy

```
POST /api/aws/policies/
```

12.1.1. Description

This endpoint creates a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can create a new policy for himself.
* Root user can also create a new policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new policy for his original user.
* Only root user is allowed to create 'cpmdata' policy.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

12.1.2. Parameters

Type	Name	Schema
Body	**data_aws_policies_create** *required*	data_aws_policies_create

data_aws_policies_create

Name	Description	Schema
account *required*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer

Name	Description	Schema
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array

12.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_create

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
copy_to_s3_enabled *optional*	Indicates if this policy's snapshots are copied to S3.	boolean
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string

Name	Description	Schema
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
import_num_copied *optional*		integer
import_num_total *optional*		integer
import_status *optional*	Import status. **Allowed Enum Values** * I (Initialized) * S (Scanning) * D (Pausing) * T (Scanning failed) * A (Scan complete) * C (Copying) * P (Copy paused) * F (Copy failed) * E (Copy ended) * G (Deleting native snapshots) * M (Snapshots moved to storage repository)	enum (I, S, D, T, A, C, P, F, E, G, M)
is_archive_active *optional*	Is Archive operation currently running for this policy.	boolean
is_s3_cleanup_active *optional*	Is S3 Cleanup operation currently running for this policy.	boolean
last_dr_recovery_time *optional*	Last time a DR backup of the current policy was recovered.	string
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string

Name	Description	Schema
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
policy_type *optional*	Policy type.	string
s3_operation_in_progress *optional*	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
user *optional*	ID of the owner user.	integer

12.1.4. Consumes

- `application/json`

12.1.5. Produces

- `application/json`

12.2. List N2WS policies

```
GET /api/aws/policies/
```

12.2.1. Description

This endpoint returns a list of N2WS policies.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own policies.
* Root user can also get the policies of the managed users.
* Delegates can get the policies of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

12.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Account the policy is associated with.	string
Query	**enabled** *optional*	If set, the policy will be enabled.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * enabled * generations * name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**schedules** *optional*	Schedule IDs associated with this policy for when to backup.	string

Type	Name	Description	Schema
Query	**search** *optional*	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule	string
Query	**user** *optional*	ID of the owner user.	string

12.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_list

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
copy_to_s3_enabled *optional*	Indicates if this policy's snapshots are copied to S3.	boolean
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer

Name	Description	Schema
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
import_num_copied *optional*		integer
import_num_total *optional*		integer
import_status *optional*	Import status. **Allowed Enum Values** * I (Initialized) * S (Scanning) * D (Pausing) * T (Scanning failed) * A (Scan complete) * C (Copying) * P (Copy paused) * F (Copy failed) * E (Copy ended) * G (Deleting native snapshots) * M (Snapshots moved to storage repository)	enum (I, S, D, T, A, C, P, F, E, G, M)
is_archive_active *optional*	Is Archive operation currently running for this policy.	boolean
is_s3_cleanup_active *optional*	Is S3 Cleanup operation currently running for this policy.	boolean
last_dr_recovery_time *optional*	Last time a DR backup of the current policy was recovered.	string
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
policy_type *optional*	Policy type.	string

Name	Description	Schema
s3_operation_in_progress *optional*	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
user *optional*	ID of the owner user.	integer

12.2.4. Produces

- `application/json`

12.3. Retrieve a N2WS policy

```
GET /api/aws/policies/{id}/
```

12.3.1. Description

This endpoint returns the N2WS policy for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own policies.
* Root user can also get the policies of the managed users.
* Delegates can get the policies of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

12.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_read

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer

Name	Description	Schema
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
copy_to_s3_enabled *optional*	Indicates if this policy's snapshots are copied to S3.	boolean
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
import_num_copied *optional*		integer
import_num_total *optional*		integer

Name	Description	Schema
import_status *optional*	Import status. **Allowed Enum Values** * I (Initialized) * S (Scanning) * D (Pausing) * T (Scanning failed) * A (Scan complete) * C (Copying) * P (Copy paused) * F (Copy failed) * E (Copy ended) * G (Deleting native snapshots) * M (Snapshots moved to storage repository)	enum (I, S, D, T, A, C, P, F, E, G, M)
is_archive_active *optional*	Is Archive operation currently running for this policy.	boolean
is_s3_cleanup_active *optional*	Is S3 Cleanup operation currently running for this policy.	boolean
last_dr_recovery_time *optional*	Last time a DR backup of the current policy was recovered.	string
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
policy_type *optional*	Policy type.	string
s3_operation_in_progress *optional*	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
user *optional*	ID of the owner user.	integer

12.3.4. Produces

- `application/json`

12.4. Update a N2WS policy

```
PUT /api/aws/policies/{id}/
```

12.4.1. Description

This endpoint updates the N2WS policy for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own policies.
* Root user can also update policies for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update policies for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_policies_update** *required*	data_aws_policies_update

data_aws_policies_update

Name	Description	Schema
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer

Name	Description	Schema
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array

12.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_update

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
copy_to_s3_enabled *optional*	Indicates if this policy's snapshots are copied to S3.	boolean
created_by_tag *optional*	Was this policy created by tag.	boolean

Name	Description	Schema
description *optional*	Description for the resource.	string
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
import_num_copied *optional*		integer
import_num_total *optional*		integer
import_status *optional*	Import status. **Allowed Enum Values** * I (Initialized) * S (Scanning) * D (Pausing) * T (Scanning failed) * A (Scan complete) * C (Copying) * P (Copy paused) * F (Copy failed) * E (Copy ended) * G (Deleting native snapshots) * M (Snapshots moved to storage repository)	enum (I, S, D, T, A, C, P, F, E, G, M)
is_archive_active *optional*	Is Archive operation currently running for this policy.	boolean
is_s3_cleanup_active *optional*	Is S3 Cleanup operation currently running for this policy.	boolean
last_dr_recovery_time *optional*	Last time a DR backup of the current policy was recovered.	string
last_modified *optional*	Modification time of the resource.	string

Name	Description	Schema
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
policy_type *optional*	Policy type.	string
s3_operation_in_progress *optional*	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
user *optional*	ID of the owner user.	integer

12.4.4. Consumes

- `application/json`

12.4.5. Produces

- `application/json`

12.5. Delete a N2WS policy

```
DELETE /api/aws/policies/{id}/
```

12.5.1. Description

This endpoint deletes the N2WS policy for the ID passed in the URL path.The snapshots associated with the deleted policy will **be deleted** as well.

Permissions and Restrictions:
* Any authenticated user can delete his own policies.
* Root user can also delete policies for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete policies for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.6. Create a N2WS policy backup ASAP

```
POST /api/aws/policies/{id}/backups/
```

12.6.1. Description

This endpoint creates a new N2WS policy backup.

Permissions and Restrictions:
* Any authenticated user can create a new policy backup for himself.
* Root user can also create a new policy backup for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new policy backup for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

12.6.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.6.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_policies_create_backups
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_policies_create_backups

Name	Description	Schema
tracker_id *optional*	Tracker ID of backup record progress.	integer

12.6.4. Produces

- `application/json`

12.7. Show 'Copy to S3 repository' options of a N2WS policy

```
GET /api/aws/policies/{id}/copy_to_s3/
```

12.7.1. Description

This endpoint returns the 'Copy to S3 repository' options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own options.
* Root user can also get the options of the managed users.
* Delegates can get the options of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

12.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_copy_to_s3_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_copy_to_s3_read

Name	Description	Schema
archive_storage_class *optional*	Storage class to use for snapshot data stored in archive. Valid options are: 'Glacier' (default) or 'Deep Archive' **Allowed Enum Values** * GLACIER (Glacier) * DEEP_ARCHIVE (Deep Archive)	enum (GLACIER, DEEP_ARCHIVE)
azure_repository *optional*	Azure Storage Account repository where the policy's backups are stored.	integer
copy_interval *optional*	Distance (in generations) between two subsequent copied backups.	integer
copy_to_glacier *optional*		response_aws_policies_copy_to_s3_read_copy_to_glacier
delete_aws_snapshot_after_copy *optional*	If set, EBS snapshots are deleted from AWS immediately after copy to S3.	boolean
enable_copy_to_glacier *optional*	If set, Copy to Glacier will be enabled.	boolean
enable_rds_copy *optional*		boolean
enabled *optional*	If set, the S3 Copy will be enabled.	boolean
rds_export_kms_key_arn *optional*		string
rds_export_role_arn *optional*		string
repository *optional*	S3 repository where the policy's backups are stored.	integer
resource_type *optional*	Resource type.	string
retain_in_glacier *optional*		response_aws_policies_copy_to_s3_read_retain_in_glacier
retention_generation_based *optional*	Retention based on number of generations.	response_aws_policies_copy_to_s3_read_retention_generation_based

Name	Description	Schema
retention_time_based *optional*	Retention based on snapshot's age.	response_aws_policies_copy_to_s3_read_retention_time_based
s3_storage_class *optional*	Storage class to use for snapshot data stored in S3. Valid options are: 'Standard' (default), 'Infrequent Access' or 'Intelligent Tiering' **Allowed Enum Values** * STANDARD (Standard) * STANDARD_IA (Infrequent Access) * INTELLIGENT_TIERING (Intelligent Tiering) * GLACIER_IR (Glacier Instant Retrieve)	enum (STANDARD, STANDARD_IA, INTELLIGENT_TIERING, GLACIER_IR)

response_aws_policies_copy_to_s3_read_copy_to_glacier

Name	Description	Schema
every_how *optional*		integer
every_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

response_aws_policies_copy_to_s3_read_retain_in_glacier

Name	Description	Schema
retain_duration *optional*		integer
retain_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

response_aws_policies_copy_to_s3_read_retention_generation_based

Name	Schema
enabled *optional*	boolean
num_generations *optional*	integer

response_aws_policies_copy_to_s3_read_retention_time_based

Name	Description	Schema
enabled *optional*		boolean
every_how_many *optional*		integer
every_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

12.7.4. Produces

- `application/json`

12.8. Update 'Copy to S3 repository' options of a N2WS policy

```
PUT /api/aws/policies/{id}/copy_to_s3/
```

12.8.1. Description

This endpoint updates the 'Copy to S3 repository' options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own options.
* Root user can also update the options of the managed users.
* Authenticated delegate user with `allow_backup_changes` can update the options of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

12.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_policies_copy_to_s3_update** *required*	data_aws_policies_copy_to_s3_update

data_aws_policies_copy_to_s3_update

Name	Description	Schema
archive_storage_class *optional*	Storage class to use for snapshot data stored in archive. Valid options are: 'Glacier' (default) or 'Deep Archive' **Allowed Enum Values** * GLACIER (Glacier) * DEEP_ARCHIVE (Deep Archive)	enum (GLACIER, DEEP_ARCHIVE)
azure_repository *optional*	Azure Storage Account repository where the policy's backups are stored.	integer
copy_interval *optional*	Distance (in generations) between two subsequent copied backups.	integer

Name	Description	Schema
copy_to_glacier *optional*		data_aws_policies_copy_to_s3_update_copy_to_glacier
delete_aws_snapshot_after_copy *optional*	If set, EBS snapshots are deleted from AWS immediately after copy to S3.	boolean
enable_copy_to_glacier *optional*	If set, Copy to Glacier will be enabled.	boolean
enable_rds_copy *optional*		boolean
enabled *optional*	If set, the S3 Copy will be enabled.	boolean
rds_export_kms_key_arn *optional*		string
rds_export_role_arn *optional*		string
repository *optional*	S3 repository where the policy's backups are stored.	integer
retain_in_glacier *optional*		data_aws_policies_copy_to_s3_update_retain_in_glacier
retention_generation_based *optional*	Retention based on number of generations.	data_aws_policies_copy_to_s3_update_retention_generation_based
retention_time_based *optional*	Retention based on snapshot's age.	data_aws_policies_copy_to_s3_update_retention_time_based
s3_storage_class *optional*	Storage class to use for snapshot data stored in S3. Valid options are: 'Standard' (default), 'Infrequent Access' or 'Intelligent Tiering' **Allowed Enum Values** * STANDARD (Standard) * STANDARD_IA (Infrequent Access) * INTELLIGENT_TIERING (Intelligent Tiering) * GLACIER_IR (Glacier Instant Retrieve)	enum (STANDARD, STANDARD_IA, INTELLIGENT_TIERING, GLACIER_IR)

data_aws_policies_copy_to_s3_update_copy_to_glacier

Name	Description	Schema
every_how *optional*		integer
every_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

data_aws_policies_copy_to_s3_update_retain_in_glacier

Name	Description	Schema
retain_duration *optional*		integer
retain_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

data_aws_policies_copy_to_s3_update_retention_generation_based

Name	Schema
enabled *optional*	boolean
num_generations *optional*	integer

data_aws_policies_copy_to_s3_update_retention_time_based

Name	Description	Schema
enabled *optional*		boolean
every_how_many *optional*		integer
every_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

12.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_copy_to_s3_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_copy_to_s3_update

Name	Description	Schema
archive_storage_class *optional*	Storage class to use for snapshot data stored in archive. Valid options are: 'Glacier' (default) or 'Deep Archive' **Allowed Enum Values** * GLACIER (Glacier) * DEEP_ARCHIVE (Deep Archive)	enum (GLACIER, DEEP_ARCHIVE)
azure_repository *optional*	Azure Storage Account repository where the policy's backups are stored.	integer
copy_interval *optional*	Distance (in generations) between two subsequent copied backups.	integer
copy_to_glacier *optional*		response_aws_policies_copy_to_s3_update_copy_to_glacier
delete_aws_snapshot_after_copy *optional*	If set, EBS snapshots are deleted from AWS immediately after copy to S3.	boolean
enable_copy_to_glacier *optional*	If set, Copy to Glacier will be enabled.	boolean
enable_rds_copy *optional*		boolean
enabled *optional*	If set, the S3 Copy will be enabled.	boolean
rds_export_kms_key_arn *optional*		string
rds_export_role_arn *optional*		string
repository *optional*	S3 repository where the policy's backups are stored.	integer

Name	Description	Schema
resource_type *optional*	Resource type.	string
retain_in_glacier *optional*		response_aws_policies_copy_to_s3_update_retain_in_glacier
retention_generation_based *optional*	Retention based on number of generations.	response_aws_policies_copy_to_s3_update_retention_generation_based
retention_time_based *optional*	Retention based on snapshot's age.	response_aws_policies_copy_to_s3_update_retention_time_based
s3_storage_class *optional*	Storage class to use for snapshot data stored in S3. Valid options are: 'Standard' (default), 'Infrequent Access' or 'Intelligent Tiering' **Allowed Enum Values** * STANDARD (Standard) * STANDARD_IA (Infrequent Access) * INTELLIGENT_TIERING (Intelligent Tiering) * GLACIER_IR (Glacier Instant Retrieve)	enum (STANDARD, STANDARD_IA, INTELLIGENT_TIERING, GLACIER_IR)

response_aws_policies_copy_to_s3_update_copy_to_glacier

Name	Description	Schema
every_how *optional*		integer
every_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

response_aws_policies_copy_to_s3_update_retain_in_glacier

Name	Description	Schema
retain_duration *optional*		integer

Name	Description	Schema
retain_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

response_aws_policies_copy_to_s3_update_retention_generation_based

Name	Schema
enabled *optional*	boolean
num_generations *optional*	integer

response_aws_policies_copy_to_s3_update_retention_time_based

Name	Description	Schema
enabled *optional*		boolean
every_how_many *optional*		integer
every_unit *optional*	**Allowed Enum Values** * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

12.8.4. Consumes

- `application/json`

12.8.5. Produces

- `application/json`

12.9. Retrieve DR options of a N2WS policy

```
GET /api/aws/policies/{id}/dr/
```

12.9.1. Description

This endpoint returns the DR options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own policy DR options.
* Root user can also get the policy DR options of the managed users.
* Delegates can get the policy DR options of their original user.
* Cross-account fields are available only if your N2WS is licensed for cross-account functionality.
* DR on Redshift clusters can only be enabled by configuring cross-region snapshots using the AWS Console.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.1.0`

12.9.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.9.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_dr_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_dr_read

Name	Description	Schema
cross_account_dr *optional*	List of cross-account DR-related fields.	response_aws_policies_dr_read_cross_account_dr

Name	Description	Schema
dr_enabled *optional*	Whether DR is enabled for this policy. By default DR is disabled.	boolean
dr_frequency *optional*	Sets the run frequency for DR backups.	integer
dr_regions *optional*	Target regions to copy data to. Can be one or multiple regions.	< integer > array
dr_timeout_hours *optional*	Number of hours after which a DR process is assumed to have hung and failed.	integer

response_aws_policies_dr_read_cross_account_dr

Name	Description	Schema
copy_to_snapshot_original_region *optional*	Whether to copy each snapshot to it's original region in the DR account.	boolean
dr_account *optional*	To which DR account to copy the snapshots.	integer
dr_account_regions *optional*	Target regions in the DR account to copy to. Can be one or multiple regions.	< integer > array
dr_keep_original_snapshots *optional*	Whether to keep the snapshots both in the original and the DR accounts or to delete the original snapshots once they are copied to the DR account.	boolean

12.9.4. Produces

- `application/json`

12.10. Update DR options of a N2WS policy

```
PUT /api/aws/policies/{id}/dr/
```

12.10.1. Description

This endpoint updates the DR options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own policy DR options.
* Root user can also update the policy DR options of the managed users.
* Delegates can update the policy DR options of their original user.
* Cross-account fields are available only if your N2WS is licensed for cross-account functionality.
* DR on Redshift clusters can only be enabled by configuring cross-region snapshots using the AWS Console.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.1.0`

12.10.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_policies_dr_update** *required*	data_aws_policies_dr_update

data_aws_policies_dr_update

Name	Description	Schema
cross_account_dr *optional*	List of cross-account DR-related fields.	data_aws_policies_dr_update_cross_account_dr
dr_enabled *optional*	Whether DR is enabled for this policy. By default DR is disabled.	boolean
dr_frequency *optional*	Sets the run frequency for DR backups.	integer
dr_regions *optional*	Target regions to copy data to. Can be one or multiple regions.	< integer > array
dr_timeout_hours *optional*	Number of hours after which a DR process is assumed to have hung and failed.	integer

data_aws_policies_dr_update_cross_account_dr

Name	Description	Schema
copy_to_snapshot_original_region *optional*	Whether to copy each snapshot to it's original region in the DR account.	boolean
dr_account *optional*	To which DR account to copy the snapshots.	integer
dr_account_regions *optional*	Target regions in the DR account to copy to. Can be one or multiple regions.	< integer > array
dr_keep_original_snapshots *optional*	Whether to keep the snapshots both in the original and the DR accounts or to delete the original snapshots once they are copied to the DR account.	boolean

12.10.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_dr_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_dr_update

Name	Description	Schema
cross_account_dr *optional*	List of cross-account DR-related fields.	response_aws_policies_dr_update_cross_account_dr
dr_enabled *optional*	Whether DR is enabled for this policy. By default DR is disabled.	boolean
dr_frequency *optional*	Sets the run frequency for DR backups.	integer
dr_regions *optional*	Target regions to copy data to. Can be one or multiple regions.	< integer > array
dr_timeout_hours *optional*	Number of hours after which a DR process is assumed to have hung and failed.	integer

response_aws_policies_dr_update_cross_account_dr

Name	Description	Schema
copy_to_snapshot_original_region *optional*	Whether to copy each snapshot to it's original region in the DR account.	boolean
dr_account *optional*	To which DR account to copy the snapshots.	integer
dr_account_regions *optional*	Target regions in the DR account to copy to. Can be one or multiple regions.	< integer > array
dr_keep_original_snapshots *optional*	Whether to keep the snapshots both in the original and the DR accounts or to delete the original snapshots once they are copied to the DR account.	boolean

12.10.4. Consumes

- `application/json`

12.10.5. Produces

- `application/json`

12.11. Invoke a N2WS Importer policy

```
POST /api/aws/policies/{id}/import/
```

12.11.1. Description

This endpoint invokes a N2WS Importer policy.

Permissions and Restrictions:
* Any authenticated user can invoke an Importer policy for himself.
* Root user can also invoke an Importer policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can invoke an Importer policy for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.7.0`

12.11.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_policies_do_import** *required*	data_aws_policies_do_import

data_aws_policies_do_import

Name	Description	Schema
account *required*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean

Name	Description	Schema
dr_generations *optional*	Number of dr generations of backup data to keep.	integer
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array

12.11.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_do_import
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_aws_policies_do_import

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
copy_to_s3_enabled *optional*	Indicates if this policy's snapshots are copied to S3.	boolean

Name	Description	Schema
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
import_num_copied *optional*		integer
import_num_total *optional*		integer
import_status *optional*	Import status. **Allowed Enum Values** * I (Initialized) * S (Scanning) * D (Pausing) * T (Scanning failed) * A (Scan complete) * C (Copying) * P (Copy paused) * F (Copy failed) * E (Copy ended) * G (Deleting native snapshots) * M (Snapshots moved to storage repository)	enum (I, S, D, T, A, C, P, F, E, G, M)
is_archive_active *optional*	Is Archive operation currently running for this policy.	boolean
is_s3_cleanup_active *optional*	Is S3 Cleanup operation currently running for this policy.	boolean
last_dr_recovery_time *optional*	Last time a DR backup of the current policy was recovered.	string

Name	Description	Schema
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
policy_type *optional*	Policy type.	string
s3_operation_in_progress *optional*	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
user *optional*	ID of the owner user.	integer

12.11.4. Consumes

- `application/json`

12.11.5. Produces

- `application/json`

12.12. Invoke a N2WS Importer policy Dry Run

```
GET /api/aws/policies/{id}/import_dry_run/
```

12.12.1. Description

This endpoint invokes a N2WS Importer policy Dry Run.

Permissions and Restrictions:
* Any authenticated user can invoke an Importer policy Dry Run for himself.
* Root user can also invoke an Importer policy Dry Run for the managed users.
* Authenticated delegate user with `allow_backup_changes` can invoke an Importer policy Dry Run for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.7.0`

12.12.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.12.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

12.12.4. Produces

- `text/csv`

12.13. List the selected logs - policy import

```
GET /api/aws/policies/{id}/import_logs/
```

12.13.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.7.0`
- *Last Modified Version:* `1.7.0`

12.13.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.13.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string

Name	Description	Schema
log_type *optional*	Severity of the logging.	string

12.13.4. Produces

- `application/json`
- `text/csv`

12.14. Retrieve an Import Parameters definition.

```
GET /api/aws/policies/{id}/import_parameters/
```

12.14.1. Description

This endpoint returns the Import Parameters definition for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own Import Parameters.
* Root user can also get the Import Parameters of the managed users.
* Delegates can get the Import Parameters of their original user.

- *Initial Release:* `1.7.0`
- *Last Modified Version:* `1.7.0`

12.14.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.14.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_import_parameters_read > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_import_parameters_read

Name	Description	Schema
br_duration *optional*	Time period by which imported snapshots will be divided. The import time range is divided to time periods, mapped to Backup Record that include snapshots that started on that time period.	integer

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
range_end_time *optional*	End of the time range, in which the snapshots will be imported.	string
range_start_time *optional*	Start of the time range, in which the snapshots will be imported.	string

12.14.4. Produces

- `application/json`

12.15. Update a N2WS Import Parameters definition

```
PUT /api/aws/policies/{id}/import_parameters/
```

12.15.1. Description

This endpoint updates the N2WS Import Parameters for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own Import Parameters.
* Root user can also update Import Parameters for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update Import Parameters for his original user.

- *Initial Release:* `1.7.0`
- *Last Modified Version:* `1.7.0`

12.15.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_policies_import_parameters_update** *required*	data_aws_policies_import_parameters_update

data_aws_policies_import_parameters_update

Name	Description	Schema
br_duration *optional*	Time period by which imported snapshots will be divided. The import time range is divided to time periods, mapped to Backup Record that include snapshots that started on that time period.	integer
range_end_time *optional*	End of the time range, in which the snapshots will be imported.	string
range_start_time *optional*	Start of the time range, in which the snapshots will be imported.	string

12.15.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_import_parameters_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_import_parameters_update

Name	Description	Schema
br_duration *optional*	Time period by which imported snapshots will be divided. The import time range is divided to time periods, mapped to Backup Record that include snapshots that started on that time period.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
range_end_time *optional*	End of the time range, in which the snapshots will be imported.	string
range_start_time *optional*	Start of the time range, in which the snapshots will be imported.	string

12.15.4. Consumes

- `application/json`

12.15.5. Produces

- `application/json`

12.16. Retrieve options of a N2WS policy

```
GET /api/aws/policies/{id}/options/
```

12.16.1. Description

This endpoint returns the options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Policy options will show only if the policy name is NOT `cpmdata`.
* Any authenticated user can get his own policy options.
* Root user can also get the policy options of the managed users.
* Delegates can get the policy options of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.16.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.16.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_options_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_options_read

Name	Description	Schema
agent_script_timeout *optional*	Timeout (in seconds) - allotted time for each script to run.	integer
backup_timeout_hours *optional*	Number of hours after which a backup process is assumed to have hung and failed.	integer

Name	Description	Schema
collect_script_output *optional*	Output of backup scripts goes to the standard error (stderr).	boolean
considered_successful *optional*	Backup considered valid. **Allowed Enum Values** * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
enable_agent_scripts *optional*	Backup scripts are turned off by default. Change to Activate to turn on backup scripts.	boolean
minutes_between_retries *optional*	Amount of time N2WS waits after a failure before retrying.	integer
num_failures_for_alert *optional*	Number of failures before N2WS triggers an alert.	integer
number_of_retries *optional*	Maximum number of retries after each failed backup (the default is three).	integer
proceed_if_before_script_failed *optional*	Weather to proceed backup when before_script failed.	boolean

12.16.4. Produces

- `application/json`

12.17. Update options of a N2WS policy

```
PUT /api/aws/policies/{id}/options/
```

12.17.1. Description

This endpoint updates the options of N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Policy options will be updated only if policy name is NOT `cpmdata`.
* Any authenticated user can update his own policy options.
* Root user can also update the policy options of the managed users.
* Delegates can update the policy options of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.17.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_policies_options_update** *required*	data_aws_policies_options_update

data_aws_policies_options_update

Name	Description	Schema
agent_script_timeout *optional*	Timeout (in seconds) - allotted time for each script to run.	integer
backup_timeout_hours *optional*	Number of hours after which a backup process is assumed to have hung and failed.	integer
collect_script_output *optional*	Output of backup scripts goes to the standard error (stderr).	boolean
considered_successful *optional*	Backup considered valid. **Allowed Enum Values** * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)

Name	Description	Schema
enable_agent_scripts *optional*	Backup scripts are turned off by default. Change to Activate to turn on backup scripts.	boolean
minutes_between_retries *optional*	Amount of time N2WS waits after a failure before retrying.	integer
num_failures_for_alert *optional*	Number of failures before N2WS triggers an alert.	integer
number_of_retries *optional*	Maximum number of retries after each failed backup (the default is three).	integer
proceed_if_before_script_failed *optional*	Weather to proceed backup when before_script failed.	boolean

12.17.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_options_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_options_update

Name	Description	Schema
agent_script_timeout *optional*	Timeout (in seconds) - allotted time for each script to run.	integer
backup_timeout_hours *optional*	Number of hours after which a backup process is assumed to have hung and failed.	integer
collect_script_output *optional*	Output of backup scripts goes to the standard error (stderr).	boolean
considered_successful *optional*	Backup considered valid. **Allowed Enum Values** * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
enable_agent_scripts *optional*	Backup scripts are turned off by default. Change to Activate to turn on backup scripts.	boolean
minutes_between_retries *optional*	Amount of time N2WS waits after a failure before retrying.	integer

Name	Description	Schema
num_failures_for_alert *optional*	Number of failures before N2WS triggers an alert.	integer
number_of_retries *optional*	Maximum number of retries after each failed backup (the default is three).	integer
proceed_if_before_script_failed *optional*	Weather to proceed backup when before_script failed.	boolean

12.17.4. Consumes

- `application/json`

12.17.5. Produces

- `application/json`

12.18. Pause an Import operation of a N2WS Importer policy

```
POST /api/aws/policies/{id}/pause_import/
```

12.18.1. Description

This endpoint pauses import of a N2WS Importer policy.

Permissions and Restrictions:
* Any authenticated user can pause an import operation for himself.
* Root user can also pause an import operation for the managed users.
* Authenticated delegate user with `allow_backup_changes` can pause an import operation for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.7.0`

12.18.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_policies_pause_import** *required*	data_aws_policies_pause_import

data_aws_policies_pause_import

Name	Description	Schema
account *required*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string

Name	Description	Schema
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array

12.18.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_pause_import
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_pause_import

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
copy_to_s3_enabled *optional*	Indicates if this policy's snapshots are copied to S3.	boolean

Name	Description	Schema
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string
dr_enabled *optional*	Indicates if this policy is DR enabled.	boolean
dr_generations *optional*	Number of dr generations of backup data to keep.	integer
enable_agent_scripts *optional*	`Relevant for cpmdata policy` - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
import_num_copied *optional*		integer
import_num_total *optional*		integer
import_status *optional*	Import status. **Allowed Enum Values** * I (Initialized) * S (Scanning) * D (Pausing) * T (Scanning failed) * A (Scan complete) * C (Copying) * P (Copy paused) * F (Copy failed) * E (Copy ended) * G (Deleting native snapshots) * M (Snapshots moved to storage repository)	enum (I, S, D, T, A, C, P, F, E, G, M)
is_archive_active *optional*	Is Archive operation currently running for this policy.	boolean
is_s3_cleanup_active *optional*	Is S3 Cleanup operation currently running for this policy.	boolean
last_dr_recovery_time *optional*	Last time a DR backup of the current policy was recovered.	string

Name	Description	Schema
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
policy_type *optional*	Policy type.	string
s3_operation_in_progress *optional*	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
user *optional*	ID of the owner user.	integer

12.18.4. Consumes

- `application/json`

12.18.5. Produces

- `application/json`

12.19. Delete all snapshots of a N2WS policy

```
DELETE /api/aws/policies/{id}/snapshots/
```

12.19.1. Description

This endpoint deletes all snapshots of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own snapshots.
* Root user can also delete snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete snapshots for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.3.0`

12.19.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.19.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

12.20. Delete all native snapshots of a N2WS policy

```
DELETE /api/aws/policies/{id}/snapshots/native/
```

12.20.1. Description

This endpoint deletes all native snapshots of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own snapshots.
* Root user can also delete snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete snapshots for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

12.20.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.20.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

12.21. Delete all native snapshots, S3 backup and Glacier archive copies of a N2WS policy

```
DELETE /api/aws/policies/{id}/snapshots/s3/
```

12.21.1. Description

This endpoint deletes all native snapshots, S3 backup and Glacier archive copies of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own snapshots.
* Root user can also delete snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete snapshots for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

12.21.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

12.21.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

12.22. Abort an on-going archive of backups in policy

```
POST /api/aws/policies/{policy_id}/archive/abort/
```

12.22.1. Description

This endpoint aborts an on-going archive of backups in policy.

Permissions and Restrictions:
* Any authenticated user with change backup and S3 copy permissions can run abort.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

12.22.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string

12.22.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

12.23. Abort an on going policy cleanup on S3

```
POST /api/aws/policies/{policy_id}/cleanup_s3/abort/
```

12.23.1. Description

This endpoint aborts an on going policy cleanup on S3.

Permissions and Restrictions:
* Any authenticated user with change backup and S3 copy permissions can run abort.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

12.23.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string

12.23.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

12.24. Create a Custom Tag

```
POST /api/aws/policies/{policy_id}/custom_tags/
```

12.24.1. Description

This endpoint creates a new Custom Tag.

Permissions and Restrictions:
* Any authenticated user can create a new Custom Tag for himself.
* Root user can also create a new Custom Tag for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new Custom Tag for his original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.24.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_custom_tags_create** *required*	data_aws_policies_custom_tags_create

data_aws_policies_custom_tags_create

Name	Description	Schema
name_is_prefix *optional*	Indicates if defined Custom Tag name should match a resource's tag name prefix.	boolean
tag_name *required*	Name of the Custom Tag.	string
tag_value *optional*	Value of the Custom Tag.	string
value_is_prefix *optional*	Indicates if defined Custom Tag value should match a resource's tag value prefix.	boolean

12.24.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_custom_tags_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_custom_tags_create

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
name_is_prefix *optional*	Indicates if defined Custom Tag name should match a resource's tag name prefix.	boolean
tag_name *optional*	Name of the Custom Tag.	string
tag_value *optional*	Value of the Custom Tag.	string
value_is_prefix *optional*	Indicates if defined Custom Tag value should match a resource's tag value prefix.	boolean

12.24.4. Consumes

- `application/json`

12.24.5. Produces

- `application/json`

12.25. List Custom Tags

```
GET /api/aws/policies/{policy_id}/custom_tags/
```

12.25.1. Description

This endpoint returns a list of Custom Tags.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own Custom Tags.
* Root user can also get the Custom Tags of the managed users.
* Delegates can get the Custom Tags of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.25.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

12.25.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_custom_tags_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_custom_tags_list

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
name_is_prefix *optional*	Indicates if defined Custom Tag name should match a resource's tag name prefix.	boolean
tag_name *optional*	Name of the Custom Tag.	string
tag_value *optional*	Value of the Custom Tag.	string
value_is_prefix *optional*	Indicates if defined Custom Tag value should match a resource's tag value prefix.	boolean

12.25.4. Produces

- `application/json`

12.26. Retrieve a Custom Tag

```
GET /api/aws/policies/{policy_id}/custom_tags/{id}/
```

12.26.1. Description

This endpoint returns the Custom Tag for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own Custom Tags.
* Root user can also get the Custom Tags of the managed users.
* Delegates can get the Custom Tags of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.26.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.26.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_custom_tags_read > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_custom_tags_read

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
name_is_prefix *optional*	Indicates if defined Custom Tag name should match a resource's tag name prefix.	boolean

Name	Description	Schema
tag_name *optional*	Name of the Custom Tag.	string
tag_value *optional*	Value of the Custom Tag.	string
value_is_prefix *optional*	Indicates if defined Custom Tag value should match a resource's tag value prefix.	boolean

12.26.4. Produces

- `application/json`

12.27. Delete a Custom Tag

```
DELETE /api/aws/policies/{policy_id}/custom_tags/{id}/
```

12.27.1. Description

This endpoint deletes the Custom Tag for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own Custom Tags.
* Root user can also delete Custom Tags for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete Custom Tags for his original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.27.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.27.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.28. List a policy's future scheduled run times

```
GET /api/aws/policies/{policy_id}/run_times/
```

12.28.1. Description

This endpoint returns a list of the future scheduled run times for a policy.

Before you can list policy scheduled run times you need:
* An enabled policy with at least one valid target attached.
* At least one schedule set to the policy.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

12.28.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**days_ahead** *required*	Days ahead to calculate scheduled run times for.	number

12.28.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_run_times_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_run_times_list

Name	Description	Schema
schedule_name *optional*	Name of schedule the backup is running.	string
schedule_time *optional*	Date and time for a future backup for the timezone defined in `schedule_timezone`.	string
schedule_timezone *optional*	Timezone the schedule was configured with.	string

Name	Description	Schema
system_time *optional*	Date and time for a future backup for the timezone defined in `system_timezone`.	string
system_timezone *optional*	Timezone the system was configured with.	string
time *optional*	Date and time for a future backup in UTC.	string

12.28.4. Produces

- `application/json`

12.29. Abort any on-going s3 operation in policy

```
POST /api/aws/policies/{policy_id}/s3_operations/abort/
```

12.29.1. Description

This endpoint aborts any on-going s3 operation (copy, archive or cleanup) currently performed for policy.

Permissions and Restrictions:
* Any authenticated user with change backup and S3 copy permissions can run abort.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

12.29.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string

12.29.3. Responses

HTTP Code	Description	Schema
201	Created	object
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

12.29.4. Produces

- `application/json`

12.30. List all the targets associated with a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/
```

12.30.1. Description

This endpoint returns all targets associated with the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own targets.
* Root user can also get the policy targets of the managed users.
* Delegates can get the policy targets of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

12.30.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

12.30.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_list

Name	Description	Schema
ami_backup_option *optional*	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation. **Allowed Enum Values** * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
ami_reboot_option *optional*	Choose whether to reboot the instance during AMI creation.	boolean
application_consistent_backup *optional*	Application consistent backup parameters. Only applicable for Windows OS.	response_aws_policies_targets_list_application_consistent_backup
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
aws_root_device *optional*	Instance's root device.	string
force_full_s3_copy *optional*	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
has_product_code *optional*	Indicates whether the instance was purchased from marketplace.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
image_id *optional*	ID of the resource in AWS.	string
is_sap_hana_db_attached *optional*	Whether this instance is configured to run native Sap Hana DB backup.	string
name *optional*	Name of the resource.	string
platform *optional*	Resource platform.	string
resource_type *optional*	Resource type.	string

Name	Description	Schema
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

response_aws_policies_targets_list_application_consistent_backup

Name	Description	Schema
agent_script_timeout *optional*		integer
collect_script_output *optional*		boolean
enable_agent_scripts *optional*		boolean
enable_agent_vss *optional*		boolean
proceed_if_before_script_failed *optional*		boolean
remote_agent_type *optional*	**Allowed Enum Values** * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
use_remote_agent *optional*		boolean
vss_volumes *optional*		string

12.30.4. Produces

- `application/json`

12.31. Add a DocumentDB cluster to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/document_db_clusters/
```

12.31.1. Description

This endpoint adds a DocumentDB cluster to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a cluster to a N2WS policy.
* Root user can also add a cluster to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a cluster to a N2WS policy for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

12.31.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_document_db_clusters_create** *required*	data_aws_policies_targets_document_db_clusters_create

data_aws_policies_targets_document_db_clusters_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string

12.31.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_document_db_clusters_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_document_db_clusters_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
id *optional*	Unique ID of the resource in N2WS.	integer
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.31.4. Consumes

- `application/json`

12.31.5. Produces

- `application/json`

12.32. List the protected DocumentDB clusters of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/document_db_clusters/
```

12.32.1. Description

This endpoint returns the protected DocumentDB clusters of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected databases.
* Root user can also get the protected clusters of the managed users.
* Delegates can get the protected clusters of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

12.32.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.32.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_document_db_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_document_db_clusters_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
id *optional*	Unique ID of the resource in N2WS.	integer
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.32.4. Produces

- `application/json`

12.33. Retrieve a protected DocumentDB cluster of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/document_db_clusters/{id}/
```

12.33.1. Description

This endpoint returns a protected DocumentDB cluster of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own clusters.
* Root user can also get the protected clusters of the managed users.
* Delegates can get the protected clusters of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

12.33.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.33.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_document_db_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_document_db_clusters_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string

Name	Description	Schema
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
id *optional*	Unique ID of the resource in N2WS.	integer
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.33.4. Produces

- `application/json`

12.34. Delete a DocumentDB cluster from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/document_db_clusters/{id}/
```

12.34.1. Description

This endpoint deletes a DocumentDB cluster from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own clusters.
* Root user can also delete clusters for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete clusters for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

12.34.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.34.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.35. Add a DynamoDB table to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/dynamodb_tables/
```

12.35.1. Description

This endpoint adds a DynamoDB table to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a table to a N2WS policy.
* Root user can also add a table to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a table to a N2WS policy for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

12.35.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_dynamodb_tables_create** *required*	data_aws_policies_targets_dynamodb_tables_create

data_aws_policies_targets_dynamodb_tables_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_name *required*	Name of the resource in AWS.	string

12.35.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_dynamodb_tables_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_dynamodb_tables_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_name *optional*	Name of the resource in AWS.	string
id *optional*	Unique ID of the resource in N2WS.	integer
partition_key *optional*	Partition key for the DynamoDB table.	string
resource_type *optional*	Resource type.	string
sort_key *optional*	Sort key for the DynamoDB table.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
table_arn *optional*	ARN unique table identifier.	string
tagged *optional*		boolean

12.35.4. Consumes

- `application/json`

12.35.5. Produces

- `application/json`

12.36. List the protected DynamoDB tables of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/dynamodb_tables/
```

12.36.1. Description

This endpoint returns the DynamoDB tables of a N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected tables.
* Root user can also get the protected clusters of the managed users.
* Delegates can get the protected tables of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.5.0`

12.36.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.36.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_dynamodb_tables_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_dynamodb_tables_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_name *optional*	Name of the resource in AWS.	string
id *optional*	Unique ID of the resource in N2WS.	integer
partition_key *optional*	Partition key for the DynamoDB table.	string
resource_type *optional*	Resource type.	string
sort_key *optional*	Sort key for the DynamoDB table.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
table_arn *optional*	ARN unique table identifier.	string
tagged *optional*		boolean

12.36.4. Produces

- `application/json`

12.37. Retrieve a DynamoDB table of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/dynamodb_tables/{id}/
```

12.37.1. Description

This endpoint returns the DynamoDB table of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own table.
* Root user can also get the protected table of the managed users.
* Delegates can get the protected table of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.5.0`

12.37.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.37.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_dynamodb_tables_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_dynamodb_tables_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string

Name	Description	Schema
aws_resource_name *optional*	Name of the resource in AWS.	string
id *optional*	Unique ID of the resource in N2WS.	integer
partition_key *optional*	Partition key for the DynamoDB table.	string
resource_type *optional*	Resource type.	string
sort_key *optional*	Sort key for the DynamoDB table.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
table_arn *optional*	ARN unique table identifier.	string
tagged *optional*		boolean

12.37.4. Produces

- `application/json`

12.38. Delete a DynamoDB table from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/dynamodb_tables/{id}/
```

12.38.1. Description

This endpoint deletes a DynamoDB table from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own table.
* Root user can also delete tables for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete tables for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

12.38.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.38.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.39. Add an Elastic File System (EFS) to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/efs/
```

12.39.1. Description

This endpoint adds an Elastic File System (EFS) to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add an EFS to a N2WS policy.
* Root user can also add an EFS to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add an EFS to a N2WS policy for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

12.39.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_efs_create** *required*	data_aws_policies_targets_efs_create

data_aws_policies_targets_efs_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string

Name	Description	Schema
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer

12.39.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_efs_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_efs_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string

Name	Description	Schema
backup_vault_name *optional*	AWS Backup vault name	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
id *optional*	Unique ID of the resource in N2WS.	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
name *optional*	Name of the resource.	string
num_mount_targets *optional*	Elastic File System's (EFS) number of mounted targets	integer
resource_type *optional*	Resource type.	string
size_in_bytes *optional*	Elastic File System's (EFS) size in bytes	integer
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean

12.39.4. Consumes

- application/json

12.39.5. Produces

- application/json

12.40. List the protected Elastic File Systems (EFS) of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/efs/
```

12.40.1. Description

This endpoint returns the protected Elastic File Systems (EFS) of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected EFS.
* Root user can also get the protected EFS of the managed users.
* Delegates can get the protected EFS of their original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.4.0`

12.40.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.40.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_efs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_efs_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
id *optional*	Unique ID of the resource in N2WS.	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
name *optional*	Name of the resource.	string
num_mount_targets *optional*	Elastic File System's (EFS) number of mounted targets	integer
resource_type *optional*	Resource type.	string

Name	Description	Schema
size_in_bytes *optional*	Elastic File System's (EFS) size in bytes	integer
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean

12.40.4. Produces

- `application/json`

12.41. Retrieve a protected Elastic File System (EFS) of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/efs/{id}/
```

12.41.1. Description

This endpoint returns a protected Elastic File System (EFS) of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own protected EFS.
* Root user can also get the protected EFS the managed users.
* Delegates can get the protected EFS of their original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.5.0`

12.41.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.41.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_efs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_efs_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
id *optional*	Unique ID of the resource in N2WS.	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
name *optional*	Name of the resource.	string
num_mount_targets *optional*	Elastic File System's (EFS) number of mounted targets	integer
resource_type *optional*	Resource type.	string
size_in_bytes *optional*	Elastic File System's (EFS) size in bytes	integer
status *optional*	Current status of the resource.	string

Name	Description	Schema
tagged *optional*	Whether this resource has N2WS backup tag.	boolean

12.41.4. Produces

- `application/json`

12.42. Update an Elastic File System (EFS) of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/efs/{id}/
```

12.42.1. Description

This endpoint updates an Elastic File System (EFS) of a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can update an EFS of a N2WS policy.
* Root user can also update an EFS of a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update an EFS of a N2WS policy for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

12.42.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_efs_update** *required*	data_aws_policies_targets_efs_update

data_aws_policies_targets_efs_update

Name	Description	Schema
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string

Name	Description	Schema
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer

12.42.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_efs_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_efs_update

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string

Name	Description	Schema
backup_vault_name *optional*	AWS Backup vault name	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
id *optional*	Unique ID of the resource in N2WS.	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
name *optional*	Name of the resource.	string
num_mount_targets *optional*	Elastic File System's (EFS) number of mounted targets	integer
resource_type *optional*	Resource type.	string
size_in_bytes *optional*	Elastic File System's (EFS) size in bytes	integer
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean

12.42.4. Consumes

- application/json

12.42.5. Produces

- application/json

12.43. Delete an Elastic File System (EFS) from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/efs/{id}/
```

12.43.1. Description

This endpoint deletes an Elastic File System (EFS) from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own EFS.
* Root user can also delete EFS for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete EFS for his original user.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

12.43.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.43.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.44. Add a File System (FSx) to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/fsxs/
```

12.44.1. Description

This endpoint adds a File System (FSx) to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add an FSx to a N2WS policy.
* Root user can also add an FSx to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add an FSx to a N2WS policy for his original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

12.44.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_fsxs_create** *required*	data_aws_policies_targets_fsxs_create

data_aws_policies_targets_fsxs_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string

Name	Description	Schema
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
which_volumes *optional*	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

12.44.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_fsxs_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_fsxs_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
filesystem_type *optional*	FSx file system type ('LUSTRE' or 'WINDOWS').	string
id *optional*	Unique ID of the resource in N2WS.	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
name *optional*	Name of the resource.	string
status *optional*	FSx status.	string
storage_capacity_in_gb *optional*	FSx capacity in GB.	integer

Name	Description	Schema
supported_by_awsbackup_service *optional*	Whether AWS Backup service supports FSx backup.	boolean
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

12.44.4. Consumes

- `application/json`

12.44.5. Produces

- `application/json`

12.45. List the protected File Systems (FSx) of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/fsxs/
```

12.45.1. Description

This endpoint returns the protected File Systems (FSx) of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected FSx.
* Root user can also get the protected FSx of the managed users.
* Delegates can get the protected FSx of their original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `2.2.0`

12.45.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.45.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_fsxs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_fsxs_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
filesystem_type *optional*	FSx file system type ('LUSTRE' or 'WINDOWS').	string
id *optional*	Unique ID of the resource in N2WS.	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
name *optional*	Name of the resource.	string
status *optional*	FSx status.	string
storage_capacity_in_gb *optional*	FSx capacity in GB.	integer

Name	Description	Schema
supported_by_awsbackup_service *optional*	Whether AWS Backup service supports FSx backup.	boolean
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

12.45.4. Produces

- `application/json`

12.46. Add an FSX volume to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/
```

12.46.1. Description

This endpoint adds an FSX volume to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a volume to a N2WS policy.
* Root user can also add a volume to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a volume to a N2WS policy for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.46.2. Parameters

Type	Name	Schema
Path	**fsx_id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_fsxs_volumes_create** *required*	data_aws_policies_targets_fsxs_volumes_create

data_aws_policies_targets_fsxs_volumes_create

Name	Description	Schema
aws_resource_id *required*	ID of the resource in AWS.	string

12.46.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_fsxs_volumes_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_fsxs_volumes_create

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
junction_path *optional*	FSX Volume Junction path.	string
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
svm_id *optional*	ID of the Storage virtual Machine current volume is attached to.	string
volume_type *optional*	AWS resource type.	string

12.46.4. Consumes

- `application/json`

12.46.5. Produces

- `application/json`

12.47. List the protected FSX volumes of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/
```

12.47.1. Description

This endpoint returns the protected FSX volumes of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected volumes.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.47.2. Parameters

Type	Name	Description	Schema
Path	**fsx_id** *required*		string
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

12.47.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_fsxs_volumes_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_fsxs_volumes_list

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
junction_path *optional*	FSX Volume Junction path.	string
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
svm_id *optional*	ID of the Storage virtual Machine current volume is attached to.	string
volume_type *optional*	AWS resource type.	string

12.47.4. Produces

- `application/json`

12.48. Retrieve a protected FSX volume of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/{id}/
```

12.48.1. Description

This endpoint returns a protected FSX volume of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own volumes instances.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.48.2. Parameters

Type	Name	Schema
Path	**fsx_id** *required*	string
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.48.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_fsxs_volumes_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_fsxs_volumes_read

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string

Name	Description	Schema
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
junction_path *optional*	FSX Volume Junction path.	string
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
svm_id *optional*	ID of the Storage virtual Machine current volume is attached to.	string
volume_type *optional*	AWS resource type.	string

12.48.4. Produces

- `application/json`

12.49. Delete an FSX volume from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/{id}/
```

12.49.1. Description

This endpoint deletes an FSX volume from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own volumes.
* Root user can also delete volumes for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete volumes for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.49.2. Parameters

Type	Name	Schema
Path	**fsx_id** *required*	string
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.49.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.50. Retrieve a protected File System (FSx) of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/fsxs/{id}/
```

12.50.1. Description

This endpoint returns a protected File System (FSx) of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own protected FSx.
* Root user can also get the protected FSx the managed users.
* Delegates can get the protected FSx of their original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `2.2.0`

12.50.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.50.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_fsxs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_fsxs_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string

Name	Description	Schema
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
filesystem_type *optional*	FSx file system type ('LUSTRE' or 'WINDOWS').	string
id *optional*	Unique ID of the resource in N2WS.	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
name *optional*	Name of the resource.	string
status *optional*	FSx status.	string
storage_capacity_in_gb *optional*	FSx capacity in GB.	integer
supported_by_awsbackup_service *optional*	Whether AWS Backup service supports FSx backup.	boolean
tagged *optional*	Whether this resource has N2WS backup tag.	boolean

Name	Description	Schema
which_volumes *optional*	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

12.50.4. Produces

- `application/json`

12.51. Update a File System (FSx) of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/fsxs/{id}/
```

12.51.1. Description

This endpoint updates a File System (FSx) of a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can update an FSx of a N2WS policy.
* Root user can also update an FSx of a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update an FSx of a N2WS policy for his original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `2.2.0`

12.51.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_fsxs_update** *required*	data_aws_policies_targets_fsxs_update

data_aws_policies_targets_fsxs_update

Name	Description	Schema
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string

Name	Description	Schema
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
which_volumes *optional*	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

12.51.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_fsxs_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_fsxs_update

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
backup_iam_role_arn *optional*	Backup IAM role ARN	string
backup_vault_name *optional*	AWS Backup vault name	string
expire_option *optional*	Expire option **Allowed Enum Values** * P (Policy Generations) * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (P, N, D, W, M, Y)
expire_option_value *optional*	Expire option value	integer
filesystem_type *optional*	FSx file system type ('LUSTRE' or 'WINDOWS').	string
id *optional*	Unique ID of the resource in N2WS.	integer
move_to_cold_storage_option *optional*	Transition to cold storage option **Allowed Enum Values** * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
move_to_cold_storage_option_value *optional*	Transition to cold storage option value	integer
name *optional*	Name of the resource.	string
status *optional*	FSx status.	string
storage_capacity_in_gb *optional*	FSx capacity in GB.	integer

Name	Description	Schema
supported_by_awsbackup_service *optional*	Whether AWS Backup service supports FSx backup.	boolean
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

12.51.4. Consumes

- `application/json`

12.51.5. Produces

- `application/json`

12.52. Delete an File System (FSx) from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/fsxs/{id}/
```

12.52.1. Description

This endpoint deletes an File System (FSx) from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own FSx.
* Root user can also delete FSx for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete FSx for his original user.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

12.52.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.52.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.53. Add an EC2 instance to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/instances/
```

12.53.1. Description

This endpoint adds an EC2 instance to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add an instance to a N2WS policy.
* Root user can also add an instance to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add an instance to a N2WS policy for his original user.
* Number of instances allowed to be added is limited by the license.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `2.0.0`

12.53.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_instances_create** *required*	data_aws_policies_targets_instances_create

data_aws_policies_targets_instances_create

Name	Description	Schema
ami_backup_option *optional*	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation. **Allowed Enum Values** * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
ami_reboot_option *optional*	Choose whether to reboot the instance during AMI creation.	boolean

Name	Description	Schema
application_consistent_backup *optional*	Application consistent backup parameters. Only applicable for Windows OS.	data_aws_policies_targets_instances_create_application_consistent_backup
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string
aws_root_device *optional*	Instance's root device.	string
force_full_s3_copy *optional*	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

data_aws_policies_targets_instances_create_application_consistent_backup

Name	Description	Schema
agent_script_timeout *optional*		integer
collect_script_output *optional*		boolean
enable_agent_scripts *optional*		boolean
enable_agent_vss *optional*		boolean
proceed_if_before_script_failed *optional*		boolean
remote_agent_type *optional*	**Allowed Enum Values** * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
use_remote_agent *optional*		boolean
vss_volumes *optional*		string

12.53.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_instances_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_instances_create

Name	Description	Schema
ami_backup_option *optional*	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation. **Allowed Enum Values** * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
ami_reboot_option *optional*	Choose whether to reboot the instance during AMI creation.	boolean
application_consistent_backup *optional*	Application consistent backup parameters. Only applicable for Windows OS.	response_aws_policies_targets_instances_create_application_consistent_backup
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
aws_root_device *optional*	Instance's root device.	string
force_full_s3_copy *optional*	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
has_product_code *optional*	Indicates whether the instance was purchased from marketplace.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
image_id *optional*	ID of the resource in AWS.	string
is_sap_hana_db_attached *optional*	Whether this instance is configured to run native Sap Hana DB backup.	string
name *optional*	Name of the resource.	string
platform *optional*	Resource platform.	string
resource_type *optional*	Resource type.	string
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

response_aws_policies_targets_instances_create_application_consistent_backup

Name	Description	Schema
agent_script_timeout *optional*		integer
collect_script_output *optional*		boolean
enable_agent_scripts *optional*		boolean
enable_agent_vss *optional*		boolean
proceed_if_before_script_failed *optional*		boolean
remote_agent_type *optional*	**Allowed Enum Values** * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)

Name	Description	Schema
use_remote_agent *optional*		boolean
vss_volumes *optional*		string

12.53.4. Consumes

- `application/json`

12.53.5. Produces

- `application/json`

12.54. List the protected EC2 instances of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/
```

12.54.1. Description

This endpoint returns the protected EC2 instances of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected instances.
* Root user can also get the protected instances of the managed users.
* Delegates can get the protected instances of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.1.0`

12.54.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.54.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_instances_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_instances_list

Name	Description	Schema
ami_backup_option *optional*	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation. **Allowed Enum Values** * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
ami_reboot_option *optional*	Choose whether to reboot the instance during AMI creation.	boolean
application_consistent_backup *optional*	Application consistent backup parameters. Only applicable for Windows OS.	response_aws_policies_targets_instances_list_application_consistent_backup
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
aws_root_device *optional*	Instance's root device.	string
force_full_s3_copy *optional*	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
has_product_code *optional*	Indicates whether the instance was purchased from marketplace.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
image_id *optional*	ID of the resource in AWS.	string
is_sap_hana_db_attached *optional*	Whether this instance is configured to run native Sap Hana DB backup.	string
name *optional*	Name of the resource.	string
platform *optional*	Resource platform.	string
resource_type *optional*	Resource type.	string

Name	Description	Schema
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

response_aws_policies_targets_instances_list_application_consistent_backup

Name	Description	Schema
agent_script_timeout *optional*		integer
collect_script_output *optional*		boolean
enable_agent_scripts *optional*		boolean
enable_agent_vss *optional*		boolean
proceed_if_before_script_failed *optional*		boolean
remote_agent_type *optional*	**Allowed Enum Values** * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
use_remote_agent *optional*		boolean
vss_volumes *optional*		string

12.54.4. Produces

- `application/json`

12.55. Retrieve a protected EC2 instance of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/{id}/
```

12.55.1. Description

This endpoint returns a protected EC2 instance of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own protected instances.
* Root user can also get the protected instances of the managed users.
* Delegates can get the protected instances of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.1.0`

12.55.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.55.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_instances_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_instances_read

Name	Description	Schema
ami_backup_option *optional*	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation. **Allowed Enum Values** * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
ami_reboot_option *optional*	Choose whether to reboot the instance during AMI creation.	boolean
application_consistent_backup *optional*	Application consistent backup parameters. Only applicable for Windows OS.	response_aws_policies_targets_instances_read_application_consistent_backup
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
aws_root_device *optional*	Instance's root device.	string
force_full_s3_copy *optional*	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
has_product_code *optional*	Indicates whether the instance was purchased from marketplace.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
image_id *optional*	ID of the resource in AWS.	string
is_sap_hana_db_attached *optional*	Whether this instance is configured to run native Sap Hana DB backup.	string
name *optional*	Name of the resource.	string
platform *optional*	Resource platform.	string
resource_type *optional*	Resource type.	string

Name	Description	Schema
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

response_aws_policies_targets_instances_read_application_consistent_backup

Name	Description	Schema
agent_script_timeout *optional*		integer
collect_script_output *optional*		boolean
enable_agent_scripts *optional*		boolean
enable_agent_vss *optional*		boolean
proceed_if_before_script_failed *optional*		boolean
remote_agent_type *optional*	**Allowed Enum Values** * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
use_remote_agent *optional*		boolean
vss_volumes *optional*		string

12.55.4. Produces

- `application/json`

12.56. Update an EC2 instance of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/instances/{id}/
```

12.56.1. Description

This endpoint updates an instance of a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can update an instance of a N2WS policy.
* Root user can also update an instance of a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update an instance of a N2WS policy for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `2.0.0`

12.56.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_instances_update** *required*	data_aws_policies_targets_instances_update

data_aws_policies_targets_instances_update

Name	Description	Schema
ami_backup_option *optional*	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation. **Allowed Enum Values** * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
ami_reboot_option *optional*	Choose whether to reboot the instance during AMI creation.	boolean

Name	Description	Schema
application_consistent_backup *optional*	Application consistent backup parameters. Only applicable for Windows OS.	data_aws_policies_targets_instances_update_application_consistent_backup
aws_root_device *optional*	Instance's root device.	string
force_full_s3_copy *optional*	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

data_aws_policies_targets_instances_update_application_consistent_backup

Name	Description	Schema
agent_script_timeout *optional*		integer
collect_script_output *optional*		boolean
enable_agent_scripts *optional*		boolean
enable_agent_vss *optional*		boolean
proceed_if_before_script_failed *optional*		boolean
remote_agent_type *optional*	**Allowed Enum Values** * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
use_remote_agent *optional*		boolean
vss_volumes *optional*		string

12.56.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_instances_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_instances_update

Name	Description	Schema
ami_backup_option *optional*	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation. **Allowed Enum Values** * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
ami_reboot_option *optional*	Choose whether to reboot the instance during AMI creation.	boolean
application_consistent_backup *optional*	Application consistent backup parameters. Only applicable for Windows OS.	response_aws_policies_targets_instances_update_application_consistent_backup
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
aws_root_device *optional*	Instance's root device.	string
force_full_s3_copy *optional*	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
has_product_code *optional*	Indicates whether the instance was purchased from marketplace.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
image_id *optional*	ID of the resource in AWS.	string
is_sap_hana_db_attached *optional*	Whether this instance is configured to run native Sap Hana DB backup.	string
name *optional*	Name of the resource.	string
platform *optional*	Resource platform.	string
resource_type *optional*	Resource type.	string
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
which_volumes *optional*	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them. **Allowed Enum Values** * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

response_aws_policies_targets_instances_update_application_consistent_backup

Name	Description	Schema
agent_script_timeout *optional*		integer
collect_script_output *optional*		boolean
enable_agent_scripts *optional*		boolean
enable_agent_vss *optional*		boolean
proceed_if_before_script_failed *optional*		boolean
remote_agent_type *optional*	**Allowed Enum Values** * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)

Name	Description	Schema
use_remote_agent *optional*		boolean
vss_volumes *optional*		string

12.56.4. Consumes

- `application/json`

12.56.5. Produces

- `application/json`

12.57. Delete an EC2 instance from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/instances/{id}/
```

12.57.1. Description

This endpoint deletes an EC2 instance from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own instances.
* Root user can also delete instances for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete instances for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.2.0`

12.57.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.57.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.58. Add a SAP HANA DB to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/
```

12.58.1. Description

This endpoint adds a SAP HANA DB to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a SAP HANA DB to a N2WS policy.
* Root user can also add a SAP HANA DB to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a SAP HANA DB to a N2WS policy for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.58.2. Parameters

Type	Name	Schema
Path	**instance_id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_instances_sap_hana_db_create** *required*	data_aws_policies_targets_instances_sap_hana_db_create

data_aws_policies_targets_instances_sap_hana_db_create

Name	Description	Schema
hana_instance_number *required*	SAP HANA DB Instance Number.	integer
hana_sid *required*	SAP HANA DB System ID.	string
repository *required*	S3 repository SAP HANA DB is backed-up to.	integer
s3_kms_key *optional*	AWS S3 KMS key attached to selected S3 bucket.	string

Name	Description	Schema
sap_hana_user *required*	Username for SAP HANA DB connection.	string
sap_hana_user_password *optional*	Password for SAP HANA DB connection.	string

12.58.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_instances_sap_hana_db_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_instances_sap_hana_db_create

Name	Description	Schema
hana_instance_number *optional*	SAP HANA DB Instance Number.	integer
hana_sid *optional*	SAP HANA DB System ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
repository *optional*	S3 repository SAP HANA DB is backed-up to.	integer
s3_kms_key *optional*	AWS S3 KMS key attached to selected S3 bucket.	string
sap_hana_user *optional*	Username for SAP HANA DB connection.	string

12.58.4. Consumes

- `application/json`

12.58.5. Produces

- `application/json`

12.59. List the protected SAP HANA DBs of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/
```

12.59.1. Description

This endpoint returns the protected SAP HANA DBs of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected SAP HANA DBs.
* Root user can also get the protected SAP HANA DBs of the managed users.
* Delegates can get the protected SAP HANA DBs of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.59.2. Parameters

Type	Name	Description	Schema
Path	**instance_id** *required*		string
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

12.59.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_instances_sap_hana_db_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_instances_sap_hana_db_list

Name	Description	Schema
hana_instance_number *optional*	SAP HANA DB Instance Number.	integer
hana_sid *optional*	SAP HANA DB System ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
repository *optional*	S3 repository SAP HANA DB is backed-up to.	integer
s3_kms_key *optional*	AWS S3 KMS key attached to selected S3 bucket.	string
sap_hana_user *optional*	Username for SAP HANA DB connection.	string

12.59.4. Produces

- `application/json`

12.60. Retrieve a protected SAP HANA DB of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
```

12.60.1. Description

This endpoint returns a protected SAP HANA DB of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own volumes instances.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.60.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**instance_id** *required*	string
Path	**policy_id** *required*	string

12.60.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_instances_sap_hana_db_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_instances_sap_hana_db_read

Name	Description	Schema
hana_instance_number *optional*	SAP HANA DB Instance Number.	integer

Name	Description	Schema
hana_sid *optional*	SAP HANA DB System ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
repository *optional*	S3 repository SAP HANA DB is backed-up to.	integer
s3_kms_key *optional*	AWS S3 KMS key attached to selected S3 bucket.	string
sap_hana_user *optional*	Username for SAP HANA DB connection.	string

12.60.4. Produces

- `application/json`

12.61. Update a SAP HANA DB of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
```

12.61.1. Description

This endpoint updates the SAP HANA DB options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own SAP HANA DB options.
* Root user can also update the SAP HANA DB of the managed users.
* Authenticated delegate user with `allow_backup_changes` can update the SAP HANA DB of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.61.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**instance_id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_instances_sap_hana_db_update** *required*	data_aws_policies_targets_instances_sap_hana_db_update

data_aws_policies_targets_instances_sap_hana_db_update

Name	Description	Schema
repository *required*	S3 repository SAP HANA DB is backed-up to.	integer
s3_kms_key *optional*	AWS S3 KMS key attached to selected S3 bucket.	string
sap_hana_user *required*	Username for SAP HANA DB connection.	string

Name	Description	Schema
sap_hana_user_password *optional*	Password for SAP HANA DB connection.	string

12.61.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_instances_sap_hana_db_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_instances_sap_hana_db_update

Name	Description	Schema
hana_instance_number *optional*	SAP HANA DB Instance Number.	integer
hana_sid *optional*	SAP HANA DB System ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
repository *optional*	S3 repository SAP HANA DB is backed-up to.	integer
s3_kms_key *optional*	AWS S3 KMS key attached to selected S3 bucket.	string
sap_hana_user *optional*	Username for SAP HANA DB connection.	string

12.61.4. Consumes

- `application/json`

12.61.5. Produces

- `application/json`

12.62. Delete a SAP HANA DB from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
```

12.62.1. Description

This endpoint deletes an SAP HANA DB from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own SAP HANA DBs.
* Root user can also delete SAP HANA DBs for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete SAP HANA DBs for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

12.62.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**instance_id** *required*	string
Path	**policy_id** *required*	string

12.62.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.63. Add an EC2 volume to a N2WS policy instance

```
POST /api/aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/
```

12.63.1. Description

This endpoint adds an EC2 volume to a N2WS policy instance.

Permissions and Restrictions:
* Any authenticated user can add a volume to a N2WS policy instance.
* Root user can also add a volume to a N2WS policy instance for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a volume to a N2WS policy for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.2.0`

12.63.2. Parameters

Type	Name	Schema
Path	**instance_id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_instances_volumes_create** *required*	data_aws_policies_targets_instances_volumes_create

data_aws_policies_targets_instances_volumes_create

Name	Description	Schema
aws_resource_id *required*	ID of the resource in AWS.	string

12.63.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_instances_volumes_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_instances_volumes_create

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
device *optional*	Device attached to the volume.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
excluded_policy_tag *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
throughput *optional*		integer
zone *optional*	Availability zone of the resource.	string

12.63.4. Consumes

- `application/json`

12.63.5. Produces

- application/json

12.64. List the protected EC2 volumes of a N2WS policy instance

```
GET /api/aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/
```

12.64.1. Description

This endpoint returns the protected EC2 volumes of the N2WS policy instancewhose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected volumes.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.2.0`

12.64.2. Parameters

Type	Name	Description	Schema
Path	**instance_id** *required*		string
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

12.64.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_instances_volumes_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_instances_volumes_list

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
device *optional*	Device attached to the volume.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
excluded_policy_tag *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
throughput *optional*		integer
zone *optional*	Availability zone of the resource.	string

12.64.4. Produces

- `application/json`

12.65. Retrieve a protected EC2 volume of a N2WS policy instance

```
GET /api/aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/{id}/
```

12.65.1. Description

This endpoint returns a protected EC2 volume of the N2WS policy instance whose ID is passed in the URL path.
* Any authenticated user can get his own policy instances volumes.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.2.0`

12.65.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**instance_id** *required*	string
Path	**policy_id** *required*	string

12.65.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_instances_volumes_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_instances_volumes_read

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
device *optional*	Device attached to the volume.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
excluded_policy_tag *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
throughput *optional*		integer
zone *optional*	Availability zone of the resource.	string

12.65.4. Produces

- `application/json`

12.66. Delete an EC2 volume from a N2WS policy instance

```
DELETE /api/aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/{id}/
```

12.66.1. Description

This endpoint deletes an EC2 volume from the N2WS policy instance whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own volumes.
* Root user can also delete volumes for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete volumes for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.2.0`

12.66.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**instance_id** *required*	string
Path	**policy_id** *required*	string

12.66.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.67. Add a RDS cluster to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/rds_clusters/
```

12.67.1. Description

This endpoint adds a RDS cluster to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a cluster to a N2WS policy.
* Root user can also add a cluster to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a cluster to a N2WS policy for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

12.67.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_rds_clusters_create** *required*	data_aws_policies_targets_rds_clusters_create

data_aws_policies_targets_rds_clusters_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string

12.67.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_rds_clusters_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_rds_clusters_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
engine_mode *optional*	The DB engine mode of the DB cluster.	string
id *optional*	Unique ID of the resource in N2WS.	integer
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.67.4. Consumes

- `application/json`

12.67.5. Produces

- `application/json`

12.68. List the protected RDS clusters of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/rds_clusters/
```

12.68.1. Description

This endpoint returns the protected RDS clusters of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected databases.
* Root user can also get the protected clusters of the managed users.
* Delegates can get the protected clusters of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

12.68.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.68.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_rds_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_rds_clusters_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
engine_mode *optional*	The DB engine mode of the DB cluster.	string
id *optional*	Unique ID of the resource in N2WS.	integer
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.68.4. Produces

- `application/json`

12.69. Retrieve a protected RDS cluster of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/rds_clusters/{id}/
```

12.69.1. Description

This endpoint returns a protected RDS cluster of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own clusters.
* Root user can also get the protected clusters of the managed users.
* Delegates can get the protected clusters of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

12.69.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.69.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_rds_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_rds_clusters_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
engine_mode *optional*	The DB engine mode of the DB cluster.	string
id *optional*	Unique ID of the resource in N2WS.	integer
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.69.4. Produces

- `application/json`

12.70. Delete a RDS cluster from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/rds_clusters/{id}/
```

12.70.1. Description

This endpoint deletes a RDS cluster from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own clusters.
* Root user can also delete clusters for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete clusters for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

12.70.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.70.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.71. Add a RDS database to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/rds_databases/
```

12.71.1. Description

This endpoint adds a RDS database to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a database to a N2WS policy.
* Root user can also add a database to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a database to a N2WS policy for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

12.71.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_rds_databases_create** *required*	data_aws_policies_targets_rds_databases_create

data_aws_policies_targets_rds_databases_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string
connection_password *optional*		string
connection_usr *optional*		string
using_iam_role_authentication *optional*		boolean

Name	Description	Schema
worker_aws_key_pair *optional*	AWS Key pair to use when launching worker for schema collection	string
worker_aws_security_group *optional*	AWS Security group to use when launching worker for schema collection	string
worker_aws_subnet *optional*	AWS VPC Subnet to use when launching worker for schema collection	string
worker_aws_vpc *optional*	AWS VPC to use when launching worker for schema collection	string
worker_http_proxy_address *optional*	Address of HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_password *optional*	Password for HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_port *optional*	Port of HTTP Proxy used by the worker launched for schema collection	integer
worker_http_proxy_user_name *optional*	Username for HTTP Proxy used by the worker launched for schema collection	string
worker_requires_http_proxy *optional*	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean

12.71.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_rds_databases_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_rds_databases_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_vpc *optional*	ID of VPC.	string

Name	Description	Schema
can_be_copied_to_s3 *optional*	Indicates whether snapshot copy to S3 is supported for this DB instance, based on DB Engine and Engine Version	boolean
connection_url *optional*		string
connection_usr *optional*		string
engine *optional*	Resource engine.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
storage_type *optional*	Storage type.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
using_iam_role_authentication *optional*		boolean
worker_aws_key_pair *optional*	AWS Key pair to use when launching worker for schema collection	string
worker_aws_security_group *optional*	AWS Security group to use when launching worker for schema collection	string
worker_aws_subnet *optional*	AWS VPC Subnet to use when launching worker for schema collection	string
worker_aws_vpc *optional*	AWS VPC to use when launching worker for schema collection	string

Name	Description	Schema
worker_http_proxy_address *optional*	Address of HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_port *optional*	Port of HTTP Proxy used by the worker launched for schema collection	integer
worker_http_proxy_user_name *optional*	Username for HTTP Proxy used by the worker launched for schema collection	string
worker_requires_http_proxy *optional*	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean
zone *optional*	Availability zone of the resource.	string

12.71.4. Consumes

- `application/json`

12.71.5. Produces

- `application/json`

12.72. List the protected RDS databases of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/rds_databases/
```

12.72.1. Description

This endpoint returns the protected RDS databases of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected databases.
* Root user can also get the protected databases of the managed users.
* Delegates can get the protected databases of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

12.72.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.72.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_rds_databases_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_rds_databases_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_vpc *optional*	ID of VPC.	string
can_be_copied_to_s3 *optional*	Indicates whether snapshot copy to S3 is supported for this DB instance, based on DB Engine and Engine Version	boolean
connection_url *optional*		string
connection_usr *optional*		string
engine *optional*	Resource engine.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
storage_type *optional*	Storage type.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
using_iam_role_authentication *optional*		boolean

Name	Description	Schema
worker_aws_key_pair *optional*	AWS Key pair to use when launching worker for schema collection	string
worker_aws_security_group *optional*	AWS Security group to use when launching worker for schema collection	string
worker_aws_subnet *optional*	AWS VPC Subnet to use when launching worker for schema collection	string
worker_aws_vpc *optional*	AWS VPC to use when launching worker for schema collection	string
worker_http_proxy_address *optional*	Address of HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_port *optional*	Port of HTTP Proxy used by the worker launched for schema collection	integer
worker_http_proxy_user_name *optional*	Username for HTTP Proxy used by the worker launched for schema collection	string
worker_requires_http_proxy *optional*	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean
zone *optional*	Availability zone of the resource.	string

12.72.4. Produces

- `application/json`

12.73. Retrieve a protected RDS database of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/rds_databases/{id}/
```

12.73.1. Description

This endpoint returns a protected RDS database of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own databases instances.
* Root user can also get the protected databases of the managed users.
* Delegates can get the protected databases of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

12.73.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.73.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_rds_databases_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_rds_databases_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_vpc *optional*	ID of VPC.	string
can_be_copied_to_s3 *optional*	Indicates whether snapshot copy to S3 is supported for this DB instance, based on DB Engine and Engine Version	boolean
connection_url *optional*		string
connection_usr *optional*		string
engine *optional*	Resource engine.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
storage_type *optional*	Storage type.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
using_iam_role_authentication *optional*		boolean
worker_aws_key_pair *optional*	AWS Key pair to use when launching worker for schema collection	string
worker_aws_security_group *optional*	AWS Security group to use when launching worker for schema collection	string

Name	Description	Schema
worker_aws_subnet *optional*	AWS VPC Subnet to use when launching worker for schema collection	string
worker_aws_vpc *optional*	AWS VPC to use when launching worker for schema collection	string
worker_http_proxy_address *optional*	Address of HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_port *optional*	Port of HTTP Proxy used by the worker launched for schema collection	integer
worker_http_proxy_user_name *optional*	Username for HTTP Proxy used by the worker launched for schema collection	string
worker_requires_http_proxy *optional*	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean
zone *optional*	Availability zone of the resource.	string

12.73.4. Produces

- `application/json`

12.74. Update an RDS Database of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/rds_databases/{id}/
```

12.74.1. Description

This endpoint updates the 'RDS database' options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own options.
* Root user can also update the options of the managed users.
* Authenticated delegate user with `allow_backup_changes` can update the options of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

12.74.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_rds_databases_update** *required*	data_aws_policies_targets_rds_databases_update

data_aws_policies_targets_rds_databases_update

Name	Description	Schema
connection_password *optional*		string
connection_usr *optional*		string
using_iam_role_authentication *optional*		boolean
worker_aws_key_pair *optional*	AWS Key pair to use when launching worker for schema collection	string
worker_aws_security_group *optional*	AWS Security group to use when launching worker for schema collection	string

Name	Description	Schema
worker_aws_subnet *optional*	AWS VPC Subnet to use when launching worker for schema collection	string
worker_aws_vpc *optional*	AWS VPC to use when launching worker for schema collection	string
worker_http_proxy_address *optional*	Address of HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_password *optional*	Password for HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_port *optional*	Port of HTTP Proxy used by the worker launched for schema collection	integer
worker_http_proxy_user_name *optional*	Username for HTTP Proxy used by the worker launched for schema collection	string
worker_requires_http_proxy *optional*	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean

12.74.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_rds_databases_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_rds_databases_update

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_vpc *optional*	ID of VPC.	string
can_be_copied_to_s3 *optional*	Indicates whether snapshot copy to S3 is supported for this DB instance, based on DB Engine and Engine Version	boolean

Name	Description	Schema
connection_url *optional*		string
connection_usr *optional*		string
engine *optional*	Resource engine.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
multi_az *optional*	Whether to launch the resource in a multi-AZ configuration or not.	boolean
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	integer
storage_type *optional*	Storage type.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
using_iam_role_authentication *optional*		boolean
worker_aws_key_pair *optional*	AWS Key pair to use when launching worker for schema collection	string
worker_aws_security_group *optional*	AWS Security group to use when launching worker for schema collection	string
worker_aws_subnet *optional*	AWS VPC Subnet to use when launching worker for schema collection	string
worker_aws_vpc *optional*	AWS VPC to use when launching worker for schema collection	string
worker_http_proxy_address *optional*	Address of HTTP Proxy used by the worker launched for schema collection	string

Name	Description	Schema
worker_http_proxy_port *optional*	Port of HTTP Proxy used by the worker launched for schema collection	integer
worker_http_proxy_user_name *optional*	Username for HTTP Proxy used by the worker launched for schema collection	string
worker_requires_http_proxy *optional*	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean
zone *optional*	Availability zone of the resource.	string

12.74.4. Consumes

- `application/json`

12.74.5. Produces

- `application/json`

12.75. Delete a RDS database from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/rds_databases/{id}/
```

12.75.1. Description

This endpoint deletes a RDS database from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own databases.
* Root user can also delete databases for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete databases for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.75.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.75.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.76. Add a Redshift cluster to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/redshift_clusters/
```

12.76.1. Description

This endpoint adds a Redshift cluster to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a cluster to a N2WS policy.
* Root user can also add a cluster to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a cluster to a N2WS policy for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

12.76.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_redshift_clusters_create** *required*	data_aws_policies_targets_redshift_clusters_create

data_aws_policies_targets_redshift_clusters_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string

12.76.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_redshift_clusters_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_redshift_clusters_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
node_storage *optional*	Capacity of the node resource (in GiB).	integer
node_type *optional*	Node type.	string
nodes *optional*	Nodes number	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.76.4. Consumes

- `application/json`

12.76.5. Produces

- `application/json`

12.77. List the protected Redshift clusters of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/redshift_clusters/
```

12.77.1. Description

This endpoint returns the protected Redshift clusters of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected databases.
* Root user can also get the protected clusters of the managed users.
* Delegates can get the protected clusters of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.5.0`

12.77.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.77.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_redshift_clusters_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_redshift_clusters_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
node_storage *optional*	Capacity of the node resource (in GiB).	integer
node_type *optional*	Node type.	string
nodes *optional*	Nodes number	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.77.4. Produces

- `application/json`

12.78. Retrieve a protected Redshift cluster of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/redshift_clusters/{id}/
```

12.78.1. Description

This endpoint returns a protected Redshift cluster of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own clusters.
* Root user can also get the protected clusters of the managed users.
* Delegates can get the protected clusters of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.5.0`

12.78.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.78.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_redshift_clusters_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_redshift_clusters_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string

Name	Description	Schema
aws_resource_type *optional*	AWS resource type.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
node_storage *optional*	Capacity of the node resource (in GiB).	integer
node_type *optional*	Node type.	string
nodes *optional*	Nodes number	integer
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
zone *optional*	Availability zone of the resource.	string

12.78.4. Produces

- `application/json`

12.79. Delete a Redshift cluster from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/redshift_clusters/{id}/
```

12.79.1. Description

This endpoint deletes a Redshift cluster from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own clusters.
* Root user can also delete clusters for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete clusters for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

12.79.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.79.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.80. Add a S3 Sync target to N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/s3syncs/
```

12.80.1. Description

This endpoint adds a S3 Sync target to N2WS policy
Permissions and Restrictions:
* Any authenticated user can add his own S3 sync targets.
* Root user can also add the S3 sync targets the managed users.
* Delegates can add the S3 sync targets of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.80.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_s3syncs_create** *required*	data_aws_policies_targets_s3syncs_create

data_aws_policies_targets_s3syncs_create

Name	Description	Schema
delete_extra *optional*	Optional flag whether to delete files in the destination that are absent in source.	boolean
destination_account *optional*		integer
destination_bucket_name *required*	Name of the destination bucket.	string
destination_prefix *optional*	Optional prefix path of the destination bucket.	string
keep_source_prefix *optional*	Optional flag whether to keep source prefix at destination objects.	boolean
name *required*	Name of the resource.	string

Name	Description	Schema
source_prefix *optional*	Optional prefix path of the source bucket.	string
storage_class *optional*	Optional character representing the storage class. **Allowed Enum Values** * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

12.80.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_s3syncs_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_s3syncs_create

Name	Description	Schema
creation_date *optional*		string
delete_extra *optional*	Optional flag whether to delete files in the destination that are absent in source.	boolean
destination_account *optional*		integer
destination_bucket_name *optional*	Name of the destination bucket.	string
destination_prefix *optional*	Optional prefix path of the destination bucket.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_encrypted *optional*		boolean
keep_source_prefix *optional*	Optional flag whether to keep source prefix at destination objects.	boolean
name *optional*	Name of the resource.	string

Name	Description	Schema
source_prefix *optional*	Optional prefix path of the source bucket.	string
status *optional*		string
storage_class *optional*	Optional character representing the storage class. **Allowed Enum Values** * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

12.80.4. Consumes

- `application/json`

12.80.5. Produces

- `application/json`

12.81. List S3 sync targets of N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/s3syncs/
```

12.81.1. Description

This endpoint returns the S3 sync targets of N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own S3 sync targets.
* Root user can also get the S3 sync targets the managed users.
* Delegates can get the S3 sync targets of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.81.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

12.81.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_s3syncs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_s3syncs_list

Name	Description	Schema
creation_date *optional*		string

Name	Description	Schema
delete_extra *optional*	Optional flag whether to delete files in the destination that are absent in source.	boolean
destination_account *optional*		integer
destination_bucket_name *optional*	Name of the destination bucket.	string
destination_prefix *optional*	Optional prefix path of the destination bucket.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_encrypted *optional*		boolean
keep_source_prefix *optional*	Optional flag whether to keep source prefix at destination objects.	boolean
name *optional*	Name of the resource.	string
source_prefix *optional*	Optional prefix path of the source bucket.	string
status *optional*		string
storage_class *optional*	Optional character representing the storage class. **Allowed Enum Values** * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

12.81.4. Produces

- `application/json`

12.82. Retrieve a S3 Sync target of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/s3syncs/{id}/
```

12.82.1. Description

This endpoint returns a S3 Sync target of a N2WS policy whose ID is passed in the URL path
Permissions and Restrictions:
* Any authenticated user can get his own S3 sync targets.
* Root user can also get the S3 sync targets the managed users.
* Delegates can get the S3 sync targets of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.82.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.82.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_s3syncs_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_s3syncs_read

Name	Description	Schema
creation_date *optional*		string
delete_extra *optional*	Optional flag whether to delete files in the destination that are absent in source.	boolean

Name	Description	Schema
destination_account *optional*		integer
destination_bucket_name *optional*	Name of the destination bucket.	string
destination_prefix *optional*	Optional prefix path of the destination bucket.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_encrypted *optional*		boolean
keep_source_prefix *optional*	Optional flag whether to keep source prefix at destination objects.	boolean
name *optional*	Name of the resource.	string
source_prefix *optional*	Optional prefix path of the source bucket.	string
status *optional*		string
storage_class *optional*	Optional character representing the storage class. **Allowed Enum Values** * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

12.82.4. Produces

- `application/json`

12.83. Update a S3 Sync target to N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/s3syncs/{id}/
```

12.83.1. Description

This endpoint updates a S3 Sync target to N2WS policy
Permissions and Restrictions:
* Any authenticated user can update his own S3 sync targets.
* Root user can also update the S3 sync targets the managed users.
* Delegates can update the S3 sync targets of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.83.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_s3syncs_update** *required*	data_aws_policies_targets_s3syncs_update

data_aws_policies_targets_s3syncs_update

Name	Description	Schema
delete_extra *optional*	Optional flag whether to delete files in the destination that are absent in source.	boolean
destination_account *optional*		integer
destination_bucket_name *required*	Name of the destination bucket.	string
destination_prefix *optional*	Optional prefix path of the destination bucket.	string
keep_source_prefix *optional*	Optional flag whether to keep source prefix at destination objects.	boolean

Name	Description	Schema
name *required*	Name of the resource.	string
source_prefix *optional*	Optional prefix path of the source bucket.	string
storage_class *optional*	Optional character representing the storage class. **Allowed Enum Values** * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

12.83.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_s3syncs_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_s3syncs_update

Name	Description	Schema
creation_date *optional*		string
delete_extra *optional*	Optional flag whether to delete files in the destination that are absent in source.	boolean
destination_account *optional*		integer
destination_bucket_name *optional*	Name of the destination bucket.	string
destination_prefix *optional*	Optional prefix path of the destination bucket.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_encrypted *optional*		boolean
keep_source_prefix *optional*	Optional flag whether to keep source prefix at destination objects.	boolean

Name	Description	Schema
name *optional*	Name of the resource.	string
source_prefix *optional*	Optional prefix path of the source bucket.	string
status *optional*		string
storage_class *optional*	Optional character representing the storage class. **Allowed Enum Values** * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

12.83.4. Consumes

- `application/json`

12.83.5. Produces

- `application/json`

12.84. Delete a S3 Sync target from N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/s3syncs/{id}/
```

12.84.1. Description

Delete a S3 Sync target from N2WS policy
Permissions and Restrictions:
* Any authenticated user can delete his own S3 sync targets.
* Root user can also delete the S3 sync targets the managed users.
* Delegates can delete the S3 sync targets of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

12.84.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.84.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

12.85. Add an EC2 volume to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/volumes/
```

12.85.1. Description

This endpoint adds an EC2 volume to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a volume to a N2WS policy.
* Root user can also add a volume to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a volume to a N2WS policy for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.85.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_aws_policies_targets_volumes_create** *required*	data_aws_policies_targets_volumes_create

data_aws_policies_targets_volumes_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string

12.85.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_policies_targets_volumes_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_volumes_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
throughput *optional*		integer
zone *optional*	Availability zone of the resource.	string

12.85.4. Consumes

- `application/json`

12.85.5. Produces

- application/json

12.86. List the protected EC2 volumes of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/volumes/
```

12.86.1. Description

This endpoint returns the protected EC2 volumes of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected volumes.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.86.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**region** *optional*	None	number

12.86.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_policies_targets_volumes_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_policies_targets_volumes_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
throughput *optional*		integer
zone *optional*	Availability zone of the resource.	string

12.86.4. Produces

- `application/json`

12.87. Retrieve a protected EC2 volume of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/volumes/{id}/
```

12.87.1. Description

This endpoint returns a protected EC2 volume of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own volumes instances.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.87.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.87.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_policies_targets_volumes_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_policies_targets_volumes_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string

Name	Description	Schema
aws_resource_type *optional*	AWS resource type.	string
capacity *optional*	Capacity of the resource (in GiB).	integer
created *optional*	Creation time of the resource.	string
encrypted *optional*	Whether the resource is encrypted or not.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
tagged *optional*	Whether this resource has N2WS backup tag.	boolean
throughput *optional*		integer
zone *optional*	Availability zone of the resource.	string

12.87.4. Produces

- `application/json`

12.88. Delete an EC2 volume from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/volumes/{id}/
```

12.88.1. Description

This endpoint deletes an EC2 volume from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own volumes.
* Root user can also delete volumes for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete volumes for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

12.88.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

12.88.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 13. AWS Prohibited Permissions

13.1. List initial Prohibited Permissions of Users and Roles of DR Accounts.

```
GET /api/aws/prohibited_permissions/
```

13.1.1. Description

This endpoint returns the list of initial Prohibited Permissions of Users and Roles of DR Accounts.

Optional `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get the list of Prohibited Permissions.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

13.1.2. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_prohibited_permissions_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_prohibited_permissions_list

Name	Description	Schema
active *optional*	Whether the prohibited permission is active or not.	boolean
name *optional*	Name of the prohibited permission.	string

13.1.3. Produces

- `application/json`

Chapter 14. AWS Recoveries

14.1. List N2WS recovery records

```
GET /api/aws/recoveries/
```

14.1.1. Description

This endpoint returns a list of N2WS recovery records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own recovery records.
* Root user can also get the recovery records of the managed users.
* Delegates can get the recovery records of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.3.0`

14.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Recovery associated account.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * backup_time * policy * recovery_scenario_record * recovery_time * recovery_type * status * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	Recovered backup's associated policy.	string

Type	Name	Description	Schema
Query	**recovery_scenario_record** *optional*	Recovery scenario ID if related, NULL otherwise.	string
Query	**status** *optional*	Recovery status.	string
Query	**user** *optional*	Recovery associated user.	string

14.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_recoveries_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_recoveries_list

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_recoveries_list_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string

Name	Description	Schema
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_recoveries_list_s3_recover_status

Name	Description	Schema
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_recoveries_list_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_recoveries_list_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array

Name	Description	Schema
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

14.1.4. Produces

- `application/json`

14.2. Retrieve a N2WS recovery record

```
GET /api/aws/recoveries/{id}/
```

14.2.1. Description

This endpoint returns the N2WS recovery record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own recovery records.
* Root user can also get the recovery records of the managed users.
* Delegates can get the recovery records of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.3.0`

14.2.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

14.2.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_recoveries_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_recoveries_read

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer

Name	Description	Schema
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
glacier_retrieve_status *optional*		response_aws_recoveries_read_glacier_retrieve_status
id *optional*	Unique ID of the resource in N2WS.	integer
original_aws_region *optional*	Recovery's source AWS region.	string
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string

Name	Description	Schema
recovery_type *optional*	Recovery type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, U, C, D, E, F, O, S)
s3_recover_status *optional*	Recover from S3 status (license dependent).	response_aws_recoveries_read_s3_recover_status
status *optional*	Recovery status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
user *optional*	Recovery associated user.	integer

response_aws_recoveries_read_glacier_retrieve_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

response_aws_recoveries_read_s3_recover_status

Name	Description	Schema
progress_percent *optional*		< integer > array
status *optional*	**Allowed Enum Values** * Z (Not started) * I (Initializing) * P (In Progress) * S (Completed Successfully) * V (All valid targets copied) * F (Failed) * G (Aborting) * A (Aborted) * R (Partially copied) * X (Expired) * D (All Snapshots Deleted) * K (Skipped)	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

14.2.4. Produces

- `application/json`

14.3. Delete a N2WS recovery record

```
DELETE /api/aws/recoveries/{id}/
```

14.3.1. Description

This endpoint deletes the N2WS recovery record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own recovery records.
* Root user can also delete recovery records for the managed users.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

14.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

14.3.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

14.4. List the selected logs - recovery record

```
GET /api/aws/recoveries/{id}/logs/
```

14.4.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

14.4.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**severity** *optional*	None	string

14.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_recoveries_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_recoveries_list_logs

Name	Description	Schema
log *optional*	Log message.	string

Name	Description	Schema
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

14.4.4. Produces

- `application/json`
- `text/csv`

14.5. Abort an on going recovery from S3

```
POST /api/aws/recoveries/{recovery_id}/recover_from_s3/abort/
```

14.5.1. Description

This endpoint aborts an on going recovery from S3.

Permissions and Restrictions:
* Any authenticated user with change backup and copy to S3 permissions can run abort.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

14.5.2. Parameters

Type	Name	Schema
Path	**recovery_id** *required*	string

14.5.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Chapter 15. AWS Recovery Scenarios

15.1. Create a N2WS recovery scenario

```
POST /api/aws/recovery_scenarios/
```

15.1.1. Description

This endpoint creates a new N2WS recovery scenario.

Permissions and Restrictions:
* Any authenticated user can create a new recovery scenario for himself.
* Root user can also create a new recovery scenario for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new recovery scenario for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

15.1.2. Parameters

Type	Name	Schema
Body	**data_aws_recovery_scenarios_create** *required*	data_aws_recovery_scenarios_create

data_aws_recovery_scenarios_create

Name	Description	Schema
agent_script_timeout *optional*	Timeout in seconds for the pre-script and post-script.	integer
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_secret_key *optional*	AWS secret key - Part of AWS credentials.	string
collect_script_output *optional*	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
description *optional*	Description for the resource.	string
enable_agent_scripts *optional*	Flag whether to enable user pre-script and post-script.	boolean

Name	Description	Schema
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
name *optional*	Name of the resource.	string
policy *required*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_region *optional*	N2WS DR region ID for recovery destination.	integer
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
use_account_aws_credentials *optional*	Flag whether to use account or alternate credentials for recovery	boolean

15.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_recovery_scenarios_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_recovery_scenarios_create

Name	Description	Schema
agent_script_timeout *optional*	Timeout in seconds for the pre-script and post-script.	integer
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
cloud *optional*	Cloud name.	string

Name	Description	Schema
collect_script_output *optional*	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
description *optional*	Description for the resource.	string
enable_agent_scripts *optional*	Flag whether to enable user pre-script and post-script.	boolean
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_region *optional*	N2WS DR region ID for recovery destination.	integer
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
target_type_count *optional*	Holds the count for each target type in the recovery scenario.	object
use_account_aws_credentials *optional*	Flag whether to use account or alternate credentials for recovery	boolean

15.1.4. Consumes

- `application/json`

15.1.5. Produces

- `application/json`

15.2. List N2WS recovery scenarios

```
GET /api/aws/recovery_scenarios/
```

15.2.1. Description

This endpoint returns a list of N2WS recovery scenarios.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenarios.
* Root user can also get the recovery scenarios of the managed users.
* Delegates can get the recovery scenarios of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

15.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**description** *optional*	Description for the resource.	string
Query	**name** *optional*	Name of the resource.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * from_account_name * from_user * name * policy * to_account_name * to_region_name	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	ID of the policy this resource is associated with.	string

Type	Name	Description	Schema
Query	**recovery_destination_account** *optional*	N2WS Account ID for recovery destination.	string
Query	**recovery_destination_region** *optional*	N2WS DR region ID for recovery destination.	string
Query	**schedule** *optional*	Schedule ID associated with this recovery scenario for when to run.	string
Query	**search** *optional*	Search term to look for in the fields: * name * description * name of related policy * description of related policy * name of destination region	string
Query	**user** *optional*	ID of the owner user.	string

15.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_recovery_scenarios_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_recovery_scenarios_list

Name	Description	Schema
agent_script_timeout *optional*	Timeout in seconds for the pre-script and post-script.	integer
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
cloud *optional*	Cloud name.	string
collect_script_output *optional*	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
description *optional*	Description for the resource.	string
enable_agent_scripts *optional*	Flag whether to enable user pre-script and post-script.	boolean

Name	Description	Schema
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_region *optional*	N2WS DR region ID for recovery destination.	integer
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
target_type_count *optional*	Holds the count for each target type in the recovery scenario.	object
use_account_aws_credentials *optional*	Flag whether to use account or alternate credentials for recovery	boolean

15.2.4. Produces

- `application/json`

15.3. List N2WS recovery scenario records

```
GET /api/aws/recovery_scenarios/records/
```

15.3.1. Description

This endpoint returns a list of N2WS recovery scenario records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenario records.
* Root user can also get the recovery scenario records of the managed users.
* Delegates can get the recovery scenario records of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

15.3.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**backup_record** *optional*	The N2WS Backup ID used for recoveries.	string
Query	**dry_run_only** *optional*	Is recovery scenario performed dry run only or fully.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * backup_time * start_time	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	ID of the policy this resource is associated with.	string
Query	**recovery_scenario** *optional*	The N2WS recovery scenario ID for this run.	string

Type	Name	Description	Schema
Query	**start_time** *optional*	The N2WS recovery scenario run start time.	string
Query	**status** *optional*	The N2WS recovery scenario run status.	string
Query	**user** *optional*	ID of the owner user.	string

15.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_recovery_scenarios_records_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_recovery_scenarios_records_list

Name	Description	Schema
backup_record *optional*	The N2WS Backup ID used for recoveries.	integer
backup_record_start_time *optional*	The N2WS Backup start time used for recoveries.	string
cloud *optional*	Cloud name	string
dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
end_time *optional*	The N2WS recovery scenario run end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
recovery_scenario *optional*	The N2WS recovery scenario ID for this run.	integer
start_time *optional*	The N2WS recovery scenario run start time.	string
status *optional*	The N2WS recovery scenario run status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

15.3.4. Produces

- application/json

15.4. Retrieve a N2WS recovery scenario record

```
GET /api/aws/recovery_scenarios/records/{id}/
```

15.4.1. Description

This endpoint returns the N2WS recovery scenario record.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenario records.
* Root user can also get the recovery scenario records of the managed users.
* Delegates can get the recovery scenario records of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

15.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

15.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_recovery_scenarios_records_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_recovery_scenarios_records_read

Name	Description	Schema
backup_record *optional*	The N2WS Backup ID used for recoveries.	integer
backup_record_start_time *optional*	The N2WS Backup start time used for recoveries.	string
cloud *optional*	Cloud name	string

Name	Description	Schema
dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
end_time *optional*	The N2WS recovery scenario run end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
recovery_scenario *optional*	The N2WS recovery scenario ID for this run.	integer
start_time *optional*	The N2WS recovery scenario run start time.	string
status *optional*	The N2WS recovery scenario run status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

15.4.4. Produces

- `application/json`

15.5. Delete a N2WS recovery scenario record

```
DELETE /api/aws/recovery_scenarios/records/{id}/
```

15.5.1. Description

This endpoint deletes the N2WS recovery scenario record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own recovery scenario records.
* Root user can also delete recovery scenario records for the managed users.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

15.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

15.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

15.6. List of recovery scenario record logs.

```
GET /api/aws/recovery_scenarios/records/{id}/logs/
```

15.6.1. Description

This endpoint returns a list of recovery scenario record logs for the policy, scenario and scenario_id passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

15.6.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**severity** *optional*	None	string

15.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_recovery_scenarios_records_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_recovery_scenarios_records_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

15.6.4. Produces

- `application/json`
- `text/csv`

15.7. Retrieve a N2WS recovery scenario

```
GET /api/aws/recovery_scenarios/{id}/
```

15.7.1. Description

This endpoint returns the N2WS recovery scenario for the ID passed in the URL path.
The URL also contains the policy ID of the scenario.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenarios.
* Root user can also get the recovery scenarios of the managed users.
* Delegates can get the recovery scenarios of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

15.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

15.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_recovery_scenarios_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_recovery_scenarios_read

Name	Description	Schema
agent_script_timeout *optional*	Timeout in seconds for the pre-script and post-script.	integer
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string

Name	Description	Schema
cloud *optional*	Cloud name.	string
collect_script_output *optional*	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
description *optional*	Description for the resource.	string
enable_agent_scripts *optional*	Flag whether to enable user pre-script and post-script.	boolean
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_region *optional*	N2WS DR region ID for recovery destination.	integer
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
target_type_count *optional*	Holds the count for each target type in the recovery scenario.	object
use_account_aws_credentials *optional*	Flag whether to use account or alternate credentials for recovery	boolean

15.7.4. Produces

- `application/json`

15.8. Update a N2WS recovery scenario

```
PUT /api/aws/recovery_scenarios/{id}/
```

15.8.1. Description

This endpoint updates the N2WS recovery scenario for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own recovery scenarios.
* Root user can also update recovery scenarios for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update recovery scenarios for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

15.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_recovery_scenarios_update** *required*	data_aws_recovery_scenarios_update

data_aws_recovery_scenarios_update

Name	Description	Schema
agent_script_timeout *optional*	Timeout in seconds for the pre-script and post-script.	integer
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string
aws_secret_key *optional*	AWS secret key - Part of AWS credentials.	string
collect_script_output *optional*	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
description *optional*	Description for the resource.	string

Name	Description	Schema
enable_agent_scripts *optional*	Flag whether to enable user pre-script and post-script.	boolean
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
name *optional*	Name of the resource.	string
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_region *optional*	N2WS DR region ID for recovery destination.	integer
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
use_account_aws_credentials *optional*	Flag whether to use account or alternate credentials for recovery	boolean

15.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_recovery_scenarios_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_recovery_scenarios_update

Name	Description	Schema
agent_script_timeout *optional*	Timeout in seconds for the pre-script and post-script.	integer
aws_access_key *optional*	AWS access key - Part of AWS credentials.	string

Name	Description	Schema
cloud *optional*	Cloud name.	string
collect_script_output *optional*	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
description *optional*	Description for the resource.	string
enable_agent_scripts *optional*	Flag whether to enable user pre-script and post-script.	boolean
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_region *optional*	N2WS DR region ID for recovery destination.	integer
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
target_type_count *optional*	Holds the count for each target type in the recovery scenario.	object
use_account_aws_credentials *optional*	Flag whether to use account or alternate credentials for recovery	boolean

15.8.4. Consumes

- `application/json`

15.8.5. Produces

- `application/json`

15.9. Delete a N2WS recovery scenario

```
DELETE /api/aws/recovery_scenarios/{id}/
```

15.9.1. Description

This endpoint deletes the N2WS recovery scenario for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own recovery scenarios.
* Root user can also delete recovery scenarios for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete recovery scenarios for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

15.9.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

15.9.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

15.10. Run a N2WS recovery scenario

```
POST /api/aws/recovery_scenarios/{scenario_id}/recover/
```

15.10.1. Description

This endpoint runs the N2WS recovery scenario for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can run his own recovery scenarios.
* Root user can also run recovery scenarios for the managed users.
* Authenticated delegate user with `allow_perform_recovery` can run recovery scenarios for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

15.10.2. Parameters

Type	Name	Schema
Path	**scenario_id** *required*	string
Body	**data_aws_recovery_scenarios_recover_create** *required*	data_aws_recovery_scenarios_recover_create

data_aws_recovery_scenarios_recover_create

Name	Description	Schema
backup_id *required*	The N2WS Backup ID to be used for recoveries.	integer
dry_run_only *optional*	Flag whether to perform full recovery or dry run only.	boolean

15.10.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_recovery_scenarios_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content

response_aws_recovery_scenarios_recover_create

Name	Description	Schema
backup_record *optional*	The N2WS Backup ID used for recoveries.	integer
backup_record_start_time *optional*	The N2WS Backup start time used for recoveries.	string
cloud *optional*	Cloud name	string
dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
end_time *optional*	The N2WS recovery scenario run end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
recovery_scenario *optional*	The N2WS recovery scenario ID for this run.	integer
start_time *optional*	The N2WS recovery scenario run start time.	string
status *optional*	The N2WS recovery scenario run status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

15.10.4. Consumes

- `application/json`

15.10.5. Produces

- `application/json`

15.11. Create a N2WS recovery scenario target

```
POST /api/aws/recovery_scenarios/{scenario_id}/targets/
```

15.11.1. Description

This endpoint creates a new N2WS recovery scenario target.

Permissions and Restrictions:
* Any authenticated user can create a new recovery scenario target for himself.
* Root user can also create a new recovery scenario target for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new recovery scenario target for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

15.11.2. Parameters

Type	Name	Schema
Path	**scenario_id** *required*	string
Body	**data_aws_recovery_scenarios_targets_create** *required*	data_aws_recovery_scenarios_targets_create

data_aws_recovery_scenarios_targets_create

Name	Description	Schema
aws_region *required*	Recovery scenario target origin aws region.	string
aws_resource_id *required*	Recovery scenario target resource AWS id.	string
configuration *required*	Recovery scenario target configuration in JSON format.	object
from_account *optional*		integer
order *optional*	Order recovery integer value.	integer

Name	Description	Schema
recovery_type *required*	Recovery scenario target type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB) * S3I (S3 Instance) * S3V (S3 Volume) * DRV (DR Volume) * DRR (DR RDS Database) * S3R (S3 RDS Database) * DRA (DR RDS Cluster) * DRC (DR Redshift Cluster) * DRU (DR DocumentDB Cluster) * DRE (DR EFS) * DRF (DR FSx)	enum (I, V, R, A, U, C, D, E, F, O, S, S3I, S3V, DRV, DRR, S3R, DRA, DRC, DRU, DRE, DRF)

15.11.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_recovery_scenarios_targets_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_recovery_scenarios_targets_create

Name	Description	Schema
aws_region *optional*	Recovery scenario target origin aws region.	string
aws_resource_id *optional*	Recovery scenario target resource AWS id.	string
configuration *optional*	Recovery scenario target configuration in JSON format.	object

Name	Description	Schema
from_account *optional*		integer
id *optional*	Unique ID of the resource in N2WS.	integer
order *optional*	Order recovery integer value.	integer
recovery_type *optional*	Recovery scenario target type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB) * S3I (S3 Instance) * S3V (S3 Volume) * DRV (DR Volume) * DRR (DR RDS Database) * S3R (S3 RDS Database) * DRA (DR RDS Cluster) * DRC (DR Redshift Cluster) * DRU (DR DocumentDB Cluster) * DRE (DR EFS) * DRF (DR FSx)	enum (I, V, R, A, U, C, D, E, F, O, S, S3I, S3V, DRV, DRR, S3R, DRA, DRC, DRU, DRE, DRF)

15.11.4. Consumes

- `application/json`

15.11.5. Produces

- `application/json`

15.12. List N2WS recovery scenario targets

```
GET /api/aws/recovery_scenarios/{scenario_id}/targets/
```

15.12.1. Description

This endpoint returns a list of N2WS recovery scenario targets.

Optional `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenario targets.
* Root user can also get the recovery scenario targets of the managed users.
* Delegates can get the recovery scenario targets of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

15.12.2. Parameters

Type	Name	Description	Schema
Path	**scenario_id** *required*		string
Query	**aws_resource_id** *optional*	Recovery scenario target resource AWS id.	string
Query	**order** *optional*	Order recovery integer value.	number
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * aws_resource_id * order * recovery_type	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**recovery_type** *optional*	Recovery scenario target type.	string

Type	Name	Description	Schema
Query	**search** *optional*	Search term to look for in the fields: * recovery_type * aws_resource_id * order	string

15.12.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_recovery_scenarios_targets_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_recovery_scenarios_targets_list

Name	Description	Schema
aws_region *optional*	Recovery scenario target origin aws region.	string
aws_resource_id *optional*	Recovery scenario target resource AWS id.	string
configuration *optional*	Recovery scenario target configuration in JSON format.	object
from_account *optional*		integer
id *optional*	Unique ID of the resource in N2WS.	integer
order *optional*	Order recovery integer value.	integer

Name	Description	Schema
recovery_type *optional*	Recovery scenario target type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB) * S3I (S3 Instance) * S3V (S3 Volume) * DRV (DR Volume) * DRR (DR RDS Database) * S3R (S3 RDS Database) * DRA (DR RDS Cluster) * DRC (DR Redshift Cluster) * DRU (DR DocumentDB Cluster) * DRE (DR EFS) * DRF (DR FSx)	enum (I, V, R, A, U, C, D, E, F, O, S, S3I, S3V, DRV, DRR, S3R, DRA, DRC, DRU, DRE, DRF)

15.12.4. Produces

- `application/json`

15.13. Retrieve a N2WS recovery scenario target

```
GET /api/aws/recovery_scenarios/{scenario_id}/targets/{id}/
```

15.13.1. Description

This endpoint returns the N2WS recovery scenario target for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenario targets.
* Root user can also get the recovery scenario targets of the managed users.
* Delegates can get the recovery scenario targets of their original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

15.13.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**scenario_id** *required*	string

15.13.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_recovery_scenarios_targets_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_recovery_scenarios_targets_read

Name	Description	Schema
aws_region *optional*	Recovery scenario target origin aws region.	string
aws_resource_id *optional*	Recovery scenario target resource AWS id.	string

Name	Description	Schema
configuration *optional*	Recovery scenario target configuration in JSON format.	object
from_account *optional*		integer
id *optional*	Unique ID of the resource in N2WS.	integer
order *optional*	Order recovery integer value.	integer
recovery_type *optional*	Recovery scenario target type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB) * S3I (S3 Instance) * S3V (S3 Volume) * DRV (DR Volume) * DRR (DR RDS Database) * S3R (S3 RDS Database) * DRA (DR RDS Cluster) * DRC (DR Redshift Cluster) * DRU (DR DocumentDB Cluster) * DRE (DR EFS) * DRF (DR FSx)	enum (I, V, R, A, U, C, D, E, F, O, S, S3I, S3V, DRV, DRR, S3R, DRA, DRC, DRU, DRE, DRF)

15.13.4. Produces

- `application/json`

15.14. Update a N2WS recovery scenario target

```
PUT /api/aws/recovery_scenarios/{scenario_id}/targets/{id}/
```

15.14.1. Description

This endpoint updates the N2WS recovery scenario target for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own recovery scenario targets.
* Root user can also update recovery scenario targets for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update recovery scenario targets for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.2.0`

15.14.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**scenario_id** *required*	string
Body	**data_aws_recovery_scenarios_targets_update** *required*	data_aws_recovery_scenarios_targets_update

data_aws_recovery_scenarios_targets_update

Name	Description	Schema
configuration *required*	Recovery scenario target configuration in JSON format.	object
from_account *optional*		integer
order *optional*	Order recovery integer value.	integer

Name	Description	Schema
recovery_type *required*	Recovery scenario target type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB) * S3I (S3 Instance) * S3V (S3 Volume) * DRV (DR Volume) * DRR (DR RDS Database) * S3R (S3 RDS Database) * DRA (DR RDS Cluster) * DRC (DR Redshift Cluster) * DRU (DR DocumentDB Cluster) * DRE (DR EFS) * DRF (DR FSx)	enum (I, V, R, A, U, C, D, E, F, O, S, S3I, S3V, DRV, DRR, S3R, DRA, DRC, DRU, DRE, DRF)

15.14.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_recovery_scenarios_targets_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_recovery_scenarios_targets_update

Name	Description	Schema
aws_region *optional*	Recovery scenario target origin aws region.	string
aws_resource_id *optional*	Recovery scenario target resource AWS id.	string

Name	Description	Schema
configuration *optional*	Recovery scenario target configuration in JSON format.	object
from_account *optional*		integer
id *optional*	Unique ID of the resource in N2WS.	integer
order *optional*	Order recovery integer value.	integer
recovery_type *optional*	Recovery scenario target type. **Allowed Enum Values** * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * U (DocumentDB Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB) * S3I (S3 Instance) * S3V (S3 Volume) * DRV (DR Volume) * DRR (DR RDS Database) * S3R (S3 RDS Database) * DRA (DR RDS Cluster) * DRC (DR Redshift Cluster) * DRU (DR DocumentDB Cluster) * DRE (DR EFS) * DRF (DR FSx)	enum (I, V, R, A, U, C, D, E, F, O, S, S3I, S3V, DRV, DRR, S3R, DRA, DRC, DRU, DRE, DRF)

15.14.4. Consumes

- `application/json`

15.14.5. Produces

- `application/json`

15.15. Delete a N2WS recovery scenario target

```
DELETE /api/aws/recovery_scenarios/{scenario_id}/targets/{id}/
```

15.15.1. Description

This endpoint deletes the N2WS recovery scenario target for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own recovery scenario targets.
* Root user can also delete recovery scenario targets for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete recovery scenario targets for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

15.15.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**scenario_id** *required*	string

15.15.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 16. AWS Regions

16.1. List enabled DR target regions

```
GET /api/aws/regions/
```

16.1.1. Description

This endpoint returns the list of enabled DR target regions.

Optional `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get the list of enabled regions.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

16.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Optional ID of the accont to filter by its aws_cloud.	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

16.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_regions_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_regions_list

Name	Description	Schema
aws_region *optional*	Name of the region in AWS.	string

Name	Description	Schema
disp_name *optional*	Display name of the target region.	string
id *optional*	Unique ID of the resource in N2WS.	integer

16.1.4. Produces

- `application/json`

Chapter 17. AWS Resource Control

17.1. Create a N2WS resource control group

```
POST /api/aws/resource_control/groups/
```

17.1.1. Description

This endpoint creates a new N2WS resource control group.

Permissions and Restrictions:
* Any authenticated user can create a new resource control group for himself.
* Root user can also create a new resource control group for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new resource control group for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

17.1.2. Parameters

Type	Name	Schema
Body	**data_aws_resource_control_groups_create** *required*	data_aws_resource_control_groups_create

data_aws_resource_control_groups_create

Name	Description	Schema
account *required*	Account the resource control group is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
enabled *optional*	If set, the resource control group will be enabled.	boolean

Name	Description	Schema
hibernate *optional*	If set, hibernate on stop execute a N2WS resource control group.	boolean
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
operation_mode *optional*	Valid operations to perform on resources. Default is Turn On/Off **Allowed Enum Values** * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
timeout *optional*	Resource state timeout.	integer

17.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_resource_control_groups_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_create

Name	Description	Schema
account *optional*	Account the resource control group is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
enabled *optional*	If set, the resource control group will be enabled.	boolean
hibernate *optional*	If set, hibernate on stop execute a N2WS resource control group.	boolean

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
operation_mode *optional*	Valid operations to perform on resources. Default is Turn On/Off **Allowed Enum Values** * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
timeout *optional*	Resource state timeout.	integer
user *optional*	ID of the owner user.	integer

17.1.4. Consumes

- `application/json`

17.1.5. Produces

- `application/json`

17.2. List N2WS resource control groups

```
GET /api/aws/resource_control/groups/
```

17.2.1. Description

This endpoint returns a list of N2WS resource control groups.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own resource control groups.
* Root user can also get the resource control groups of the managed users.
* Delegates can get the resource control groups of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Account the resource control group is associated with.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * enabled * name * timeout * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * name * account	string
Query	**user** *optional*	ID of the owner user.	string

17.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_resource_control_groups_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_list

Name	Description	Schema
account *optional*	Account the resource control group is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
enabled *optional*	If set, the resource control group will be enabled.	boolean
hibernate *optional*	If set, hibernate on stop execute a N2WS resource control group.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
operation_mode *optional*	Valid operations to perform on resources. Default is Turn On/Off **Allowed Enum Values** * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
timeout *optional*	Resource state timeout.	integer
user *optional*	ID of the owner user.	integer

17.2.4. Produces

- application/json

17.3. Create a N2WS resource control group schedule

```
POST /api/aws/resource_control/groups/{group_id}/schedules/
```

17.3.1. Description

This endpoint creates a new N2WS resource control group schedule.

Permissions and Restrictions:
* Any authenticated user can create a new resource control group schedule for himself.
* Root user can also create a new resource control group schedule for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new resource control group schedule for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

17.3.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Body	**data_aws_resource_control_groups_schedules_create** *required*	data_aws_resource_control_groups_schedules_create

data_aws_resource_control_groups_schedules_create

Name	Description	Schema
turn_off_day *optional*	Selected days to activate turn off action. **Allowed Enum Values** * A (Every Day) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
turn_off_time *required*	Selected time to activate turn off action on selected days (UTC).	string

Name	Description	Schema
turn_on_day *optional*	Selected days to activate turn on action. **Allowed Enum Values** * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (M, T, W, H, F, S, U)
turn_on_time *required*	Selected time to activate turn on action on selected days (UTC).	string

17.3.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_resource_control_groups_schedules_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_schedules_create

Name	Description	Schema
group *optional*	Resource control group the schedule is associated to.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Last time the schedule was updated.	string
system_timezone *optional*	Timezone the system was configured with.	string

Name	Description	Schema
turn_off_day *optional*	Selected days to activate turn off action. **Allowed Enum Values** * A (Every Day) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
turn_off_system_day *optional*	Selected days to activate turn off action (In current system timezone).	string
turn_off_system_time *optional*	Selected time to activate turn off action on selected days (In current system timezone).	string
turn_off_time *optional*	Selected time to activate turn off action on selected days (UTC).	string
turn_on_day *optional*	Selected days to activate turn on action. **Allowed Enum Values** * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (M, T, W, H, F, S, U)
turn_on_system_day *optional*	Selected days to activate turn on action (In current system timezone).	string
turn_on_system_time *optional*	Selected time to activate turn on action on selected days (In current system timezone).	string
turn_on_time *optional*	Selected time to activate turn on action on selected days (UTC).	string

17.3.4. Consumes

- `application/json`

17.3.5. Produces

- `application/json`

17.4. List N2WS resource control group schedules

```
GET /api/aws/resource_control/groups/{group_id}/schedules/
```

17.4.1. Description

This endpoint returns a list of N2WS resource control group schedules.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own resource control group schedules.
* Root user can also get the resource control groups of the managed users.
* Delegates can get the resource control group schedules of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `2.0.0`

17.4.2. Parameters

Type	Name	Description	Schema
Path	**group_id** *required*		string
Query	**group** *optional*	None	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * group * last_modified * marked_for_deletion * status * turn_off_day * turn_on_day	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

17.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_resource_control_groups_schedules_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_schedules_list

Name	Description	Schema
group *optional*	Resource control group the schedule is associated to.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Last time the schedule was updated.	string
system_timezone *optional*	Timezone the system was configured with.	string
turn_off_day *optional*	Selected days to activate turn off action. **Allowed Enum Values** * A (Every Day) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
turn_off_system_day *optional*	Selected days to activate turn off action (In current system timezone).	string
turn_off_system_time *optional*	Selected time to activate turn off action on selected days (In current system timezone).	string
turn_off_time *optional*	Selected time to activate turn off action on selected days (UTC).	string

Name	Description	Schema
turn_on_day *optional*	Selected days to activate turn on action. **Allowed Enum Values** * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (M, T, W, H, F, S, U)
turn_on_system_day *optional*	Selected days to activate turn on action (In current system timezone).	string
turn_on_system_time *optional*	Selected time to activate turn on action on selected days (In current system timezone).	string
turn_on_time *optional*	Selected time to activate turn on action on selected days (UTC).	string

17.4.4. Produces

- `application/json`

17.5. Retrieve a N2WS resource control group schedule

```
GET /api/aws/resource_control/groups/{group_id}/schedules/{id}/
```

17.5.1. Description

This endpoint returns the N2WS resource control group schedule for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own resource control group schedule.
* Root user can also get the resource control group schedule of the managed users.
* Delegates can get the resource control group schedule of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `2.0.0`

17.5.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Path	**id** *required*	string

17.5.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_resource_control_groups_schedules_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_resource_control_groups_schedules_read

Name	Description	Schema
group *optional*	Resource control group the schedule is associated to.	integer
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
last_modified *optional*	Last time the schedule was updated.	string
system_timezone *optional*	Timezone the system was configured with.	string
turn_off_day *optional*	Selected days to activate turn off action. **Allowed Enum Values** * A (Every Day) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
turn_off_system_day *optional*	Selected days to activate turn off action (In current system timezone).	string
turn_off_system_time *optional*	Selected time to activate turn off action on selected days (In current system timezone).	string
turn_off_time *optional*	Selected time to activate turn off action on selected days (UTC).	string
turn_on_day *optional*	Selected days to activate turn on action. **Allowed Enum Values** * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (M, T, W, H, F, S, U)
turn_on_system_day *optional*	Selected days to activate turn on action (In current system timezone).	string
turn_on_system_time *optional*	Selected time to activate turn on action on selected days (In current system timezone).	string
turn_on_time *optional*	Selected time to activate turn on action on selected days (UTC).	string

17.5.4. Produces

- `application/json`

17.6. Delete a N2WS resource control group schedule

```
DELETE /api/aws/resource_control/groups/{group_id}/schedules/{id}/
```

17.6.1. Description

This endpoint deletes the N2WS resource control group schedule for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own resource control group schedule.
* Root user can also delete resource control group schedule for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete resource control group schedule for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.6.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Path	**id** *required*	string

17.6.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

17.7. List all the targets associated with a N2WS resource control group

```
GET /api/aws/resource_control/groups/{group_id}/targets/
```

17.7.1. Description

This endpoint returns all targets associated with the N2WS resource control group whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own targets.
* Root user can also get the resource control group targets of the managed users.
* Delegates can get the resource control group targets of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.7.2. Parameters

Type	Name	Description	Schema
Path	**group_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

17.7.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_resource_control_groups_targets_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_targets_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
id *optional*	Unique ID of the resource in N2WS.	integer
image_id *optional*	ID of the resource in AWS.	string
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string

17.7.4. Produces

- `application/json`

17.8. Add an EC2 instance to a N2WS resource control group

```
POST /api/aws/resource_control/groups/{group_id}/targets/instances/
```

17.8.1. Description

This endpoint adds an EC2 instance to a N2WS resource control group.

Permissions and Restrictions:
* Any authenticated user can add an instance to a N2WS resource control group.
* Root user can also add an instance to a N2WS resource control group for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add an instance to a N2WS resource control group for his original user.
* Number of instances allowed to be added is limited by the license.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.8.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Body	**data_aws_resource_control_groups_targets_instances_create** *required*	data_aws_resource_control_groups_targets_instances_create

data_aws_resource_control_groups_targets_instances_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string

17.8.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_resource_control_groups_targets_instances_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_targets_instances_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
id *optional*	Unique ID of the resource in N2WS.	integer
image_id *optional*	ID of the resource in AWS.	string
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string

17.8.4. Consumes

- `application/json`

17.8.5. Produces

- `application/json`

17.9. List the EC2 instances of a resource control group

```
GET /api/aws/resource_control/groups/{group_id}/targets/instances/
```

17.9.1. Description

This endpoint returns the EC2 instances of the N2WS resource control group whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own instances.
* Root user can also get the instances of the managed users.
* Delegates can get the instances of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.9.2. Parameters

Type	Name	Description	Schema
Path	**group_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

17.9.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_resource_control_groups_targets_instances_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_targets_instances_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
id *optional*	Unique ID of the resource in N2WS.	integer
image_id *optional*	ID of the resource in AWS.	string
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string

17.9.4. Produces

- `application/json`

17.10. Retrieve an EC2 instance of a N2WS resource control group

```
GET /api/aws/resource_control/groups/{group_id}/targets/instances/{id}/
```

17.10.1. Description

This endpoint returns an EC2 instance of the N2WS resource control group whose ID is passed in the URL path.
* Any authenticated user can get his own instances.
* Root user can also get the instances of the managed users.
* Delegates can get the instances of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.10.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Path	**id** *required*	string

17.10.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_resource_control_groups_targets_instances_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_resource_control_groups_targets_instances_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_type *optional*	AWS resource type.	string
id *optional*	Unique ID of the resource in N2WS.	integer
image_id *optional*	ID of the resource in AWS.	string
name *optional*	Name of the resource.	string
resource_type *optional*	Resource type.	string
root_device_type *optional*	Device type.	string
state *optional*	Current state of the resource.	string

17.10.4. Produces

- `application/json`

17.11. Delete an EC2 instance from a N2WS resource control group

```
DELETE /api/aws/resource_control/groups/{group_id}/targets/instances/{id}/
```

17.11.1. Description

This endpoint deletes an EC2 instance from the N2WS resource control group whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own instances.
* Root user can also delete instances for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete instances for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.11.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Path	**id** *required*	string

17.11.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

17.12. Add an RDS database to a N2WS resource control group

```
POST /api/aws/resource_control/groups/{group_id}/targets/rds_databases/
```

17.12.1. Description

This endpoint adds an RDS database to a N2WS resource control group.

Permissions and Restrictions:
* Any authenticated user can add a database to a N2WS resource control group.
* Root user can also add a database to a N2WS resource control group for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a database to a N2WS resource control group for his original user.
* Number of database allowed to be added is limited by the license.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.12.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Body	**data_aws_resource_control_groups_targets_rds_databases_create** *required*	data_aws_resource_control_groups_targets_rds_databases_create

data_aws_resource_control_groups_targets_rds_databases_create

Name	Description	Schema
aws_region *required*	Name of the AWS region.	string
aws_resource_id *required*	ID of the resource in AWS.	string

17.12.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_resource_control_groups_targets_rds_databases_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_targets_rds_databases_create

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
iops *optional*	Number of IOPS.	string
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	string
zone *optional*	Availability zone of the resource.	string

17.12.4. Consumes

- `application/json`

17.12.5. Produces

- `application/json`

17.13. List the RDS databases of a resource control group

```
GET /api/aws/resource_control/groups/{group_id}/targets/rds_databases/
```

17.13.1. Description

This endpoint returns the RDS databases of the N2WS resource control group whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own databases.
* Root user can also get the databases of the managed users.
* Delegates can get the databases of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.13.2. Parameters

Type	Name	Description	Schema
Path	**group_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

17.13.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_resource_control_groups_targets_rds_databases_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_groups_targets_rds_databases_list

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
iops *optional*	Number of IOPS.	string
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	string
zone *optional*	Availability zone of the resource.	string

17.13.4. Produces

- `application/json`

17.14. Retrieve an RDS database of a N2WS resource control group

```
GET /api/aws/resource_control/groups/{group_id}/targets/rds_databases/{id}/
```

17.14.1. Description

This endpoint returns an RDS database of the N2WS resource control group whose ID is passed in the URL path.
* Any authenticated user can get his own database.
* Root user can also get the database of the managed users.
* Delegates can get the database of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.14.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Path	**id** *required*	string

17.14.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_resource_control_groups_targets_rds_databases_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_resource_control_groups_targets_rds_databases_read

Name	Description	Schema
aws_region *optional*	Name of the AWS region.	string

Name	Description	Schema
aws_resource_id *optional*	ID of the resource in AWS.	string
engine *optional*	Resource engine.	string
engine_version *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
instance_class *optional*	Contains the compute and memory capacity of the DB Instance.	string
iops *optional*	Number of IOPS.	string
publicly_accessible *optional*	Whether the resource will be publicly accessible or not.	boolean
resource_type *optional*	Resource type.	string
status *optional*	Current status of the resource.	string
storage *optional*	Capacity of the resource (in GiB).	string
zone *optional*	Availability zone of the resource.	string

17.14.4. Produces

- `application/json`

17.15. Delete an RDS database from a N2WS resource control group

```
DELETE /api/aws/resource_control/groups/{group_id}/targets/rds_databases/{id}/
```

17.15.1. Description

This endpoint deletes an RDS database from the N2WS resource control group whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own databases.
* Root user can also delete instances for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete database for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.15.2. Parameters

Type	Name	Schema
Path	**group_id** *required*	string
Path	**id** *required*	string

17.15.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

17.16. Retrieve a N2WS resource control group

```
GET /api/aws/resource_control/groups/{id}/
```

17.16.1. Description

This endpoint returns the N2WS resource control group for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own resource control groups.
* Root user can also get the resource control groups of the managed users.
* Delegates can get the resource control groups of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.16.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

17.16.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_resource_control_groups_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_resource_control_groups_read

Name	Description	Schema
account *optional*	Account the resource control group is associated with.	integer

Name	Description	Schema
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
enabled *optional*	If set, the resource control group will be enabled.	boolean
hibernate *optional*	If set, hibernate on stop execute a N2WS resource control group.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
operation_mode *optional*	Valid operations to perform on resources. Default is Turn On/Off **Allowed Enum Values** * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
timeout *optional*	Resource state timeout.	integer
user *optional*	ID of the owner user.	integer

17.16.4. Produces

- `application/json`

17.17. Update a N2WS resource control group

```
PUT /api/aws/resource_control/groups/{id}/
```

17.17.1. Description

This endpoint updates the N2WS resource control group for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own resource control groups.
* Root user can also update resource control groups for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update resource control groups for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.17.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_resource_control_groups_update** *required*	data_aws_resource_control_groups_update

data_aws_resource_control_groups_update

Name	Description	Schema
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
enabled *optional*	If set, the resource control group will be enabled.	boolean

Name	Description	Schema
hibernate *optional*	If set, hibernate on stop execute a N2WS resource control group.	boolean
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
operation_mode *optional*	Valid operations to perform on resources. Default is Turn On/Off **Allowed Enum Values** * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
timeout *optional*	Resource state timeout.	integer

17.17.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_resource_control_groups_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_resource_control_groups_update

Name	Description	Schema
account *optional*	Account the resource control group is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
enabled *optional*	If set, the resource control group will be enabled.	boolean
hibernate *optional*	If set, hibernate on stop execute a N2WS resource control group.	boolean

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
operation_mode *optional*	Valid operations to perform on resources. Default is Turn On/Off **Allowed Enum Values** * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
timeout *optional*	Resource state timeout.	integer
user *optional*	ID of the owner user.	integer

17.17.4. Consumes

- `application/json`

17.17.5. Produces

- `application/json`

17.18. Delete a N2WS resource control group

```
DELETE /api/aws/resource_control/groups/{id}/
```

17.18.1. Description

This endpoint deletes the N2WS resource control group for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own resource control groups.
* Root user can also delete resource control groups for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete resource control groups for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.18.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

17.18.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

17.19. Execute a N2WS resource control group ASAP

```
POST /api/aws/resource_control/groups/{id}/start/
```

17.19.1. Description

This endpoint execute a N2WS resource control group.

Permissions and Restrictions:
* Any authenticated user can execute a N2WS resource control group for himself.
* Root user can also execute a N2WS resource control group for the managed users.
* Authenticated delegate user with `allow_backup_changes` can execute a N2WS resource control group for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.19.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

17.19.3. Responses

HTTP Code	Description	Schema
202	Accepted	object
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

17.19.4. Produces

- `application/json`

17.20. Stop execute a N2WS resource control group ASAP

```
POST /api/aws/resource_control/groups/{id}/stop/
```

17.20.1. Description

This endpoint stops execute a N2WS resource control group.

Permissions and Restrictions:
* Any authenticated user can stop execute a N2WS resource control group for himself.
* Root user can also stop execute a N2WS resource control group for the managed users.
* Authenticated delegate user with `allow_backup_changes` can stop execute a N2WS resource control group for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.20.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

17.20.3. Responses

HTTP Code	Description	Schema
202	Accepted	object
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

17.20.4. Produces

- `application/json`

17.21. List N2WS resource control records

```
GET /api/aws/resource_control/records/
```

17.21.1. Description

This endpoint returns a list of N2WS resource control records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own resource control records.
* Root user can also get the resource control records of the managed users.
* Delegates can get the resource control records of their original user.
* This API is license dependent.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

17.21.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this record is associated with.	string
Query	**group** *optional*	Group that the record is associated with.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**marked_for_deletion** *optional*	Whether this record is marked for deletion or not.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * end_time * group * marked_for_deletion * start_time * status * username	string

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	A full or partial resource ID to search by.	string
Query	**status** *optional*	Records's status.	string
Query	**user** *optional*	ID of the owner user.	string

17.21.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_resource_control_records_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_records_list

Name	Description	Schema
account *optional*	ID of the account this record is associated with.	integer
end_time *optional*	Record's end time.	string
group *optional*	Group that the record is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
marked_for_deletion *optional*	Whether this record is marked for deletion or not.	boolean
operation *optional*	The status os the current operation. **Allowed Enum Values** * S (Stopped) * R (Running)	enum (S, R)
start_time *optional*	Record's start time.	string

Name	Description	Schema
status *optional*	Records's status. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Operation Successful) * A (Operation Partially Successful) * S (Operation Partially Successful) * F (Operation Failed)	enum (I, P, B, A, S, F)

17.21.4. Produces

- `application/json`

17.22. Retrieve a N2WS resource control record

```
GET /api/aws/resource_control/records/{id}/
```

17.22.1. Description

This endpoint returns the N2WS resource control record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own resource control record.
* Root user can also get the resource control record of the managed users.
* Delegates can get the resource control record of their original user.
* This API is license dependent.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.22.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

17.22.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_resource_control_records_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_resource_control_records_read

Name	Description	Schema
account *optional*	ID of the account this record is associated with.	integer
end_time *optional*	Record's end time.	string

Name	Description	Schema
group *optional*	Group that the record is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
marked_for_deletion *optional*	Whether this record is marked for deletion or not.	boolean
operation *optional*	The status os the current operation. **Allowed Enum Values** * S (Stopped) * R (Running)	enum (S, R)
start_time *optional*	Record's start time.	string
status *optional*	Records's status. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Operation Successful) * A (Operation Partially Successful) * S (Operation Partially Successful) * F (Operation Failed)	enum (I, P, B, A, S, F)

17.22.4. Produces

- `application/json`

17.23. Delete a N2WS resource control record

```
DELETE /api/aws/resource_control/records/{id}/
```

17.23.1. Description

This endpoint deletes the N2WS resource control record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own resource control record.
* Root user can also delete resource control record for the managed users.
* Authenticated delegate user with `IsAllowResourceControl` can delete the resource control record for his original user.
* This API is license dependent.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.23.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

17.23.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

17.24. List the selected logs - resource control records

```
GET /api/aws/resource_control/records/{id}/logs/
```

17.24.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

17.24.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

17.24.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_resource_control_records_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_control_records_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string

Name	Description	Schema
log_type *optional*	Severity of the logging.	string

17.24.4. Produces

- `application/json`
- `text/csv`

Chapter 18. AWS Resource Types

18.1. List target resource types

```
GET /api/aws/resource_types/
```

18.1.1. Description

This endpoint returns the list of target resource types (e.g. instances).

Optional `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get the list of target resource types.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.0.0`

18.1.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

18.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_resource_types_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_resource_types_list

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
label *optional*	Display name of the target resource type.	string

Name	Description	Schema
name *optional*	Name of the target resource type.	string

18.1.4. Produces

- `application/json`

Chapter 19. AWS S3 Repositories

19.1. Create a S3 repository

```
POST /api/aws/s3_repositories/
```

19.1.1. Description

This endpoint creates a S3 repository.

Permissions and Restrictions:
* Any authenticated user can create a new S3 repository for himself.
* Root user can also create a new S3 repository for the managed users.
* Authenticated delegate user with `allowed_change_account` can create a new S3 repository for his original user.
* Maximum number of allowed S3 repositories is limited by the license.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

19.1.2. Parameters

Type	Name	Schema
Body	**data_aws_s3_repositories_create** *required*	data_aws_s3_repositories_create

data_aws_s3_repositories_create

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
aws_bucket_name *required*	Name of AWS bucket.	string
description *optional*	Description for the resource.	string
name *required*	Name of the resource.	string
use_objects_lock *optional*	If set, Object Locks (legal hold) are used to ensure that S3 objects cannot accidentally be deleted from the repository. Requires that Object Locks feature is enabled for the bucket	boolean

19.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_s3_repositories_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_s3_repositories_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_bucket_name *optional*	Name of AWS bucket.	string
aws_region *optional*	Name of the AWS region.	string
cloud *optional*		string
deletion_status *optional*	**Allowed Enum Values** * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
related_policies *optional*	All policies related to current repository.	< integer > array
use_objects_lock *optional*	If set, Object Locks (legal hold) are used to ensure that S3 objects cannot accidentally be deleted from the repository. Requires that Object Locks feature is enabled for the bucket	boolean
user *optional*	ID of the owner user.	integer

19.1.4. Consumes

- application/json

19.1.5. Produces

- application/json

19.2. List S3 repositories

```
GET /api/aws/s3_repositories/
```

19.2.1. Description

This endpoint returns a list of S3 repositories.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own S3 repositories.
* Root user can also get the S3 repositories of the managed users.
* Delegates can get the S3 repositories of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.3.0`

19.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * aws_bucket_name * aws_region * name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * name * description	string
Query	**user** *optional*	ID of the owner user.	string

19.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_s3_repositories_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_s3_repositories_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_bucket_name *optional*	Name of AWS bucket.	string
aws_region *optional*	Name of the AWS region.	string
cloud *optional*		string
deletion_status *optional*	**Allowed Enum Values** * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
related_policies *optional*	All policies related to current repository.	< integer > array
use_objects_lock *optional*	If set, Object Locks (legal hold) are used to ensure that S3 objects cannot accidentally be deleted from the repository. Requires that Object Locks feature is enabled for the bucket	boolean
user *optional*	ID of the owner user.	integer

19.2.4. Produces

- `application/json`

19.3. Retrieve a S3 repository

```
GET /api/aws/s3_repositories/{id}/
```

19.3.1. Description

This endpoint returns the S3 repository for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own S3 repositories.
* Root user can also get the S3 repositories of the managed users.
* Delegates can get the S3 repositories of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.3.0`

19.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

19.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_s3_repositories_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_s3_repositories_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_bucket_name *optional*	Name of AWS bucket.	string
aws_region *optional*	Name of the AWS region.	string

Name	Description	Schema
cloud *optional*		string
deletion_status *optional*	**Allowed Enum Values** * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
related_policies *optional*	All policies related to current repository.	< integer > array
use_objects_lock *optional*	If set, Object Locks (legal hold) are used to ensure that S3 objects cannot accidentally be deleted from the repository. Requires that Object Locks feature is enabled for the bucket	boolean
user *optional*	ID of the owner user.	integer

19.3.4. Produces

- `application/json`

19.4. Update a S3 repository

```
PUT /api/aws/s3_repositories/{id}/
```

19.4.1. Description

This endpoint updates the S3 repository for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own S3 repositories.
* Root user can also update S3 repositories for the managed users.
* Authenticated delegate user with `allowed_change_account` can update S3 repositories for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

19.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_s3_repositories_update** *required*	data_aws_s3_repositories_update

data_aws_s3_repositories_update

Name	Description	Schema
description *optional*	Description for the resource.	string

19.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_s3_repositories_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_s3_repositories_update

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_bucket_name *optional*	Name of AWS bucket.	string
aws_region *optional*	Name of the AWS region.	string
cloud *optional*		string
deletion_status *optional*	**Allowed Enum Values** * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
related_policies *optional*	All policies related to current repository.	< integer > array
use_objects_lock *optional*	If set, Object Locks (legal hold) are used to ensure that S3 objects cannot accidentally be deleted from the repository. Requires that Object Locks feature is enabled for the bucket	boolean
user *optional*	ID of the owner user.	integer

19.4.4. Consumes

- `application/json`

19.4.5. Produces

- `application/json`

19.5. Delete a S3 repository

```
DELETE /api/aws/s3_repositories/{id}/
```

19.5.1. Description

This endpoint deletes the S3 repository for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own S3 repositories.
* Root user can also delete S3 repositories for the managed users.
* Authenticated delegate user with `allowed_change_account` can delete S3 repositories for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

19.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

19.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

19.6. Delete a S3 repository, even if deleting the actual data from the repository is not possible.

```
DELETE /api/aws/s3_repositories/{id}/force/
```

19.6.1. Description

This endpoint deletes the S3 repository for the ID passed in the URL path.
An attempt is made to delete the data in the repository as well, but if that is not possible, the repository is deleted anyway.
Permissions and Restrictions:
* Any authenticated user can delete his own S3 repositories.
* Root user can also delete S3 repositories for the managed users.
* Authenticated delegate user with `allowed_change_account` can delete S3 repositories for his original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

19.6.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

19.6.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 20. AWS Settings

20.1. Change N2WS capture VPC settings

```
POST /api/aws/settings/capture_vpc/
```

20.1.1. Description

This endpoint changes the N2WS capture VPC settings policy.

Permissions and Restrictions:
* Only the root user can create the capture VPC settings.
* This API is license dependent.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

20.1.2. Parameters

Type	Name	Schema
Body	**data_aws_settings_capture_vpc_create** *required*	data_aws_settings_capture_vpc_create

data_aws_settings_capture_vpc_create

Name	Description	Schema
capture_vpcs *optional*	Capture VPCs on all regions .	boolean
capture_vpcs_interval *required*	Capture VPCs schedule interval (hours).	integer

20.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_settings_capture_vpc_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_capture_vpc_create

Name	Description	Schema
capture_vpcs *optional*	Capture VPCs on all regions .	boolean
capture_vpcs_interval *optional*	Capture VPCs schedule interval (hours).	integer
last_capture_vpcs_time *optional*	Last time a VPC capture ran.	string

20.1.4. Consumes

- `application/json`

20.1.5. Produces

- `application/json`

20.2. Retrieve N2WS capture VPC settings

```
GET /api/aws/settings/capture_vpc/
```

20.2.1. Description

This endpoint returns the N2WS capture VPC settings.

Permissions and Restrictions:
* Only root user can get the capture VPC settings.
* This API is license dependent.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

20.2.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

20.2.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_settings_capture_vpc_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_capture_vpc_list

Name	Description	Schema
capture_vpcs *optional*	Capture VPCs on all regions .	boolean
capture_vpcs_interval *optional*	Capture VPCs schedule interval (hours).	integer
last_capture_vpcs_time *optional*	Last time a VPC capture ran.	string

20.2.4. Produces

- `application/json`

20.3. List the selected logs - capture vpc record

```
GET /api/aws/settings/capture_vpc/logs/
```

20.3.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

20.3.2. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_settings_capture_vpc_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_capture_vpc_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

20.3.3. Produces

- `application/json`
- `text/csv`

20.4. Run the capture VPC operation

```
POST /api/aws/settings/capture_vpc/run/
```

20.4.1. Description

This endpoint runs the N2WS capture VPC operation.

Permissions and Restrictions:
* Only root user can perform this operation.
* This API is license dependent.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

20.4.2. Responses

HTTP Code	Description	Schema
202	Accepted	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

20.5. Change N2WS cost explorer settings

```
POST /api/aws/settings/cost_explorer/
```

20.5.1. Description

This endpoint changes the N2WS cost explorer settings policy.

Permissions and Restrictions:
* Only root user and his delegates can change the cost explorer settings.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

20.5.2. Parameters

Type	Name	Schema
Body	**data_aws_settings_cost_explorer_create** *required*	data_aws_settings_cost_explorer_create

data_aws_settings_cost_explorer_create

Name	Schema
enabled *required*	boolean

20.5.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_settings_cost_explorer_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_cost_explorer_create

Name	Schema
enabled *optional*	boolean

20.5.4. Consumes

- `application/json`

20.5.5. Produces

- `application/json`

20.6. Retrieve the N2WS cost explorer settings

```
GET /api/aws/settings/cost_explorer/
```

20.6.1. Description

This endpoint returns the N2WS cost explorer settings.

Permissions and Restrictions:
* Only root user and his delegates can get the cost explorer settings.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

20.6.2. Responses

HTTP Code	Description	Schema
200	OK	response_aws_settings_cost_explorer_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_cost_explorer_list

Name	Schema
enabled *optional*	boolean

20.6.3. Produces

- `application/json`

20.7. Change N2WS file level recovery settings

```
POST /api/aws/settings/file_level_recovery/
```

20.7.1. Description

This endpoint changes the N2WS's file level recovery settings policy.

Permissions and Restrictions:
* Only the root user can create file level recovery settings.



This endpoint is deprecated and will be removed in future release.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`
- ***Deprecated since:*** `1.4.0`

20.7.2. Parameters

Type	Name	Schema
Body	**data_aws_settings_file_level_recovery_create** *required*	data_aws_settings_file_level_recovery_create

data_aws_settings_file_level_recovery_create

Name	Description	Schema
aws_access_key *optional*	AWS account access key for file level recovey .	string
aws_secret_key *optional*	AWS account secret key for file level recovey .	string
enable_file_level_recovery *optional*	Create or update N2WS file level recovey account settings.	boolean
existing_account *optional*	Existing account name for file level recovey .	string
use_exisiting_account *optional*		boolean

20.7.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_settings_file_level_recovery_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_file_level_recovery_create

Name	Description	Schema
aws_access_key *optional*	AWS account access key for file level recovey .	string
enable_file_level_recovery *optional*	Create or update N2WS file level recovey account settings.	boolean
existing_account *optional*	Existing account name for file level recovey .	string
use_exisiting_account *optional*		boolean

20.7.4. Consumes

- `application/json`

20.7.5. Produces

- `application/json`

20.8. Get N2WS file level recovery settings

```
GET /api/aws/settings/file_level_recovery/
```

20.8.1. Description

This endpoint returns the N2WS's file level recovery settings.

Permissions and Restrictions:
* Only root user can get the file level recovery settings.



This endpoint is deprecated and will be removed in future release.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`
- ***Deprecated since:*** `1.4.0`

20.8.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

20.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_settings_file_level_recovery_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_file_level_recovery_list

Name	Description	Schema
aws_access_key *optional*	AWS account access key for file level recovey .	string

Name	Description	Schema
enable_file_level_recovery *optional*	Create or update N2WS file level recovey account settings.	boolean
existing_account *optional*	Existing account name for file level recovey .	string
use_exisiting_account *optional*		boolean

20.8.4. Produces

- `application/json`

20.9. Change N2WS Secured DR Account check settings

```
POST /api/aws/settings/secured_dr_account_check/
```

20.9.1. Description

This endpoint changes the N2WS Secured DR Account check settings policy.

Permissions and Restrictions:
* Only the root user can update Secured DR Account settings.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

20.9.2. Parameters

Type	Name	Schema
Body	**data_aws_settings_secured_dr_account_check_create** *required*	data_aws_settings_secured_dr_account_check_create

data_aws_settings_secured_dr_account_check_create

Name	Description	Schema
secured_dr_account_check *optional*	Secured DR Account check on all DR accounts that use vault definition.	boolean
secured_dr_account_check_interval *required*	Secured DR Account check schedule interval (hours).	integer

20.9.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_settings_secured_dr_account_check_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_secured_dr_account_check_create

Name	Description	Schema
last_secured_dr_account_check_time *optional*	Last time a Secured DR Account check was performed.	string
secured_dr_account_check *optional*	Secured DR Account check on all DR accounts that use vault definition.	boolean
secured_dr_account_check_interval *optional*	Secured DR Account check schedule interval (hours).	integer

20.9.4. Consumes

- `application/json`

20.9.5. Produces

- `application/json`

20.10. Retrieve N2WS Secured DR Account check settings

```
GET /api/aws/settings/secured_dr_account_check/
```

20.10.1. Description

This endpoint returns the N2WS Secured DR Account check settings.

Permissions and Restrictions:
* Only root user can get the Secured DR Account check settings.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

20.10.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

20.10.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_settings_secured_dr_account_check_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_secured_dr_account_check_list

Name	Description	Schema
last_secured_dr_account_check_time *optional*	Last time a Secured DR Account check was performed.	string
secured_dr_account_check *optional*	Secured DR Account check on all DR accounts that use vault definition.	boolean

Name	Description	Schema
secured_dr_account_check_interval *optional*	Secured DR Account check schedule interval (hours).	integer

20.10.4. Produces

- `application/json`

20.11. List the selected logs - dr vault check record

```
GET /api/aws/settings/secured_dr_account_check/logs/
```

20.11.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

20.11.2. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_settings_secured_dr_account_check_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_secured_dr_account_check_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

20.11.3. Produces

- `application/json`
- `text/csv`

20.12. Run the Secured DR Account check operation

```
POST /api/aws/settings/secured_dr_account_check/run/
```

20.12.1. Description

This endpoint runs the N2WS Secured DR Account check operation.

Permissions and Restrictions:
* Only root user can perform this operation.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

20.12.2. Responses

HTTP Code	Description	Schema
202	Accepted	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

20.13. Change N2WS watermark settings

```
POST /api/aws/settings/watermark/
```

20.13.1. Description

This endpoint changes the N2WS watermark settings.

Permissions and Restrictions:
* Only root user and his delegates can change the watermark settings.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

20.13.2. Parameters

Type	Name	Schema
Body	**data_aws_settings_watermark_create** *required*	data_aws_settings_watermark_create

data_aws_settings_watermark_create

Name	Description	Schema
alert_rec_vol *optional*	Whether to alert when occupied volumes exceeds low/high watermark on recurring volumes.	boolean
vol_storage_alert_watermark *optional*	Whether to alert when occupied volumes exceeds low/high watermark.	boolean
vol_storage_high_watermark *optional*	Upper limit for volume's occupied percent.	integer
vol_storage_low_watermark *optional*	Lower limit for volume's occupied percent.	integer

20.13.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_settings_watermark_create
400	Bad Request	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content

response_aws_settings_watermark_create

Name	Description	Schema
alert_rec_vol *optional*	Whether to alert when occupied volumes exceeds low/high watermark on recurring volumes.	boolean
vol_storage_alert_watermark *optional*	Whether to alert when occupied volumes exceeds low/high watermark.	boolean
vol_storage_high_watermark *optional*	Upper limit for volume's occupied percent.	integer
vol_storage_low_watermark *optional*	Lower limit for volume's occupied percent.	integer

20.13.4. Consumes

- `application/json`

20.13.5. Produces

- `application/json`

20.14. Retrieve the N2WS watermark settings

```
GET /api/aws/settings/watermark/
```

20.14.1. Description

This endpoint returns the N2WS watermark settings.

Permissions and Restrictions:
* Only root user and his delegates can get the watermark settings.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

20.14.2. Responses

HTTP Code	Description	Schema
200	OK	response_aws_settings_watermark_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_settings_watermark_list

Name	Description	Schema
alert_rec_vol *optional*	Whether to alert when occupied volumes exceeds low/high watermark on recurring volumes.	boolean
vol_storage_alert_watermark *optional*	Whether to alert when occupied volumes exceeds low/high watermark.	boolean
vol_storage_high_watermark *optional*	Upper limit for volume's occupied percent.	integer
vol_storage_low_watermark *optional*	Lower limit for volume's occupied percent.	integer

20.14.3. Produces

- `application/json`

Chapter 21. AWS System

21.1. List volumes occupied percent.

```
GET /api/aws/system/volumes/occupied_percent/
```

21.1.1. Description

This endpoint returns the volumes occupied percent.

Permissions and Restrictions:
* Only root user and his delegates can get the volumes occupied percent.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

21.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the associated account of user whose occupied percent volumes are to be displayed.	string
Query	**high_watermark** *optional*	Upper limit for volume's occupied percent.	number
Query	**low_watermark** *optional*	Lower limit for volume's occupied percent.	number
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**user** *optional*	ID of the user whose occupied percent volumes are to be displayed.	string

21.1.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_system_volumes_occupied_percent_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_system_volumes_occupied_percent_list

Name	Description	Schema
aws_instance_id *optional*	Backed up instance id of the volume. None for independent volume.	string
aws_region *optional*	Region of the volume.	string
aws_volume_id *optional*	AWS volume ID of the volume.	string
capacity *optional*	Capacity of the volume.	integer
error_free_text *optional*	error text.	string
last_check *optional*	Last time of backup - volumes occupied percent were updated.	string
occupied_calc_by_cbt *optional*		boolean
occupied_percentage *optional*	Occupied percentage of the volume.	integer
status_accurate *optional*	Accurate volume statuses - (NOT_ATTEMPTED_USER_CONFIG)Use accurate volume usage for this account is False,(NOT_ATTEMPTED_INDEPENDENT_VOLUME)Independent volume - not accurate volume usage,(SUCCEEDED)Use accurate volume usage succeeded,(FAILED)Fallback to cbt because accurate volume usage failed **Allowed Enum Values** * NOT_ATTEMPTED_USER_CONFIG (Accurate volume usage for this account was not enabled.) * NOT_ATTEMPTED_INDEPENDENT_VOLUME (Independent volume - not accurate volume usage.) * SUCCEEDED (Use accurate volume usage succeeded.) * FAILED (Fallback to cbt because accurate volume usage failed.)	enum (NOT_ATTEMPTED_USER_CONFIG, NOT_ATTEMPTED_INDEPENDENT_VOLUME, SUCCEEDED, FAILED)
status_cbt *optional*	CBT statuses - (SUCCEEDED)CBT succeeded, (FAILED)CBT failed, (NOT_ATTEMPTED)CBT was not attempted. **Allowed Enum Values** * SUCCEEDED (CBT succeeded) * FAILED (CBT failed) * NOT_ATTEMPTED (CBT was not attempted)	enum (SUCCEEDED, FAILED, NOT_ATTEMPTED)

21.1.4. Produces

- `application/json`

Chapter 22. AWS Worker Tags

22.1. Create a worker tag

```
POST /api/aws/worker_tags/
```

22.1.1. Description

This endpoint creates a worker tag.

Permissions and Restrictions:
* Any authenticated user can create a new worker tag for himself.
* Root user can also create a new worker tag for the managed users.
* Authenticated delegate user with `allowed_change_account` can create a new worker tag for his original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

22.1.2. Parameters

Type	Name	Schema
Body	**data_aws_worker_tags_create** *required*	data_aws_worker_tags_create

data_aws_worker_tags_create

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
key *required*		string
value *optional*		string

22.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_worker_tags_create
400	Bad Request	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content

response_aws_worker_tags_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
key *optional*		string
value *optional*		string

22.1.4. Consumes

- `application/json`

22.1.5. Produces

- `application/json`

22.2. List worker tags

```
GET /api/aws/worker_tags/
```

22.2.1. Description

This endpoint returns a list of worker tags.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own worker tags.
* Root user can also get the worker tags of the managed users.
* Delegates can get the worker tags of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

22.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**key** *optional*	None	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * key * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * key * value	string
Query	**user** *optional*	ID of the owner user.	string

22.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_worker_tags_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_worker_tags_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
key *optional*		string
value *optional*		string

22.2.4. Produces

- `application/json`

22.3. Retrieve a worker tag

```
GET /api/aws/worker_tags/{id}/
```

22.3.1. Description

This endpoint returns the worker tag for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own worker tags.
* Root user can also get the worker tags of the managed users.
* Delegates can get the worker tags of their original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

22.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

22.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_worker_tags_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_worker_tags_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
key *optional*		string

Name	Description	Schema
value *optional*		string

22.3.4. Produces

- `application/json`

22.4. Update a worker tag

```
PUT /api/aws/worker_tags/{id}/
```

22.4.1. Description

This endpoint updates the worker tag for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own worker tags.
* Root user can also update worker tags for the managed users.
* Authenticated delegate user with `allowed_change_account` can update worker tags for his original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

22.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_worker_tags_update** *required*	data_aws_worker_tags_update

data_aws_worker_tags_update

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
key *required*		string
value *optional*		string

22.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_worker_tags_update
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_worker_tags_update

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
key *optional*		string
value *optional*		string

22.4.4. Consumes

- `application/json`

22.4.5. Produces

- `application/json`

22.5. Delete a worker tag

```
DELETE /api/aws/worker_tags/{id}/
```

22.5.1. Description

This endpoint deletes the worker tag for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own worker tags.
* Root user can also delete worker tags for the managed users.
* Authenticated delegate user with `allowed_change_account` can delete worker tags for his original user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

22.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

22.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 23. AWS Workers

23.1. Create a worker configuration

```
POST /api/aws/workers/
```

23.1.1. Description

This endpoint creates a new worker configuration.

Permissions and Restrictions:
* Any authenticated user can create a new worker configuration for himself.
* Root user can also create a new worker configuration for the managed users.
* Authenticated delegate user with `allowed_change_account` can create a new worker configuration for his original user.
* Maximum number of allowed worker configurations is limited by the license.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

23.1.2. Parameters

Type	Name	Schema
Body	**data_aws_workers_create** *required*	data_aws_workers_create

data_aws_workers_create

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *required*	Security group of worker configuration.	string
aws_subnet *optional*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be `Any`.	string
aws_vpc *required*	VPC of worker configuration.	string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string

Name	Description	Schema
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
region *required*	Name of the AWS region.	integer
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
worker_role_arn *optional*		string

23.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_aws_workers_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_workers_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *optional*	Security group of worker configuration.	string
aws_subnet *optional*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be `Any`.	string
aws_vpc *optional*	VPC of worker configuration.	string
cloud *optional*		string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string

Name	Description	Schema
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
region *optional*	Name of the AWS region.	integer
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
user *optional*	ID of the owner user.	integer
worker_role_arn *optional*		string

23.1.4. Consumes

- `application/json`

23.1.5. Produces

- `application/json`

23.2. List worker configurations

```
GET /api/aws/workers/
```

23.2.1. Description

This endpoint returns a list of all worker configurations.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own worker configurations.
* Root user can also get the worker configurations of the managed users.
* Delegates can get the worker configurations of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

23.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * id * region * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**user** *optional*	ID of the owner user.	string

23.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_workers_list > array

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_workers_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *optional*	Security group of worker configuration.	string
aws_subnet *optional*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be Any.	string
aws_vpc *optional*	VPC of worker configuration.	string
cloud *optional*		string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
region *optional*	Name of the AWS region.	integer
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
user *optional*	ID of the owner user.	integer
worker_role_arn *optional*		string

23.2.4. Produces

- `application/json`

23.3. Start a worker configuration test session

```
POST /api/aws/workers/{configuration_id}/test/
```

23.3.1. Description

This endpoint starts the worker configuration test for the worker configuration passed in the parameters.

Permissions and Restrictions:
* Any authenticated user can test his own worker configuration.
* Root user can also start a worker configuration test for the managed users.
* Authenticated delegate user with `allowed_change_account` can a test worker configuration for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.7.0`

23.3.2. Parameters

Type	Name	Schema
Path	**configuration_id** *required*	string
Body	**data_aws_workers_test_create** *required*	data_aws_workers_test_create

data_aws_workers_test_create

Name	Description	Schema
ebs_test_run *optional*	Whether to run EBS API test in this test session.	boolean
s3_endpoint_test_run *optional*	Whether to run S3 Endpoint test in this test session.	boolean
ssh_test_run *optional*	Whether to run SSH test in this test session.	boolean

23.3.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_aws_workers_test_create

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_workers_test_create

Name	Description	Schema
cloud *optional*		string
configuration *optional*	Worker test session worker configuration.	integer
connection_status *optional*	Worker test session connection to CPM status. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
ebs_test_run *optional*	Whether to run EBS API test in this test session.	boolean
ebs_test_status *optional*	The result of the EBS API test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
end_time *optional*	Worker test session end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
s3_endpoint_test_run *optional*	Whether to run S3 Endpoint test in this test session.	boolean
s3_endpoint_test_status *optional*	The result of the S3 endpoint test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)

Name	Description	Schema
session_status *optional*	The result of worker test session. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
ssh_test_run *optional*	Whether to run SSH test in this test session.	boolean
ssh_test_status *optional*	The result of the SSH test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
start_time *optional*	Worker test session start time.	string
test_session_fail_desc *optional*	Worker test session failure description.	string
worker *optional*	Worker test session worker instance.	integer

23.3.4. Consumes

- `application/json`

23.3.5. Produces

- `application/json`

23.4. List worker configuration test sessions

```
GET /api/aws/workers/{configuration_id}/test/
```

23.4.1. Description

This endpoint returns a list of all worker configuration test sessions for the ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own worker configuration test sessions.
* Root user can also get the worker configuration test sessions of the managed users.
* Delegates can get the worker configuration test sessions of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

23.4.2. Parameters

Type	Name	Description	Schema
Path	**configuration_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

23.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_workers_test_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_workers_test_list

Name	Description	Schema
cloud *optional*		string
configuration *optional*	Worker test session worker configuration.	integer
connection_status *optional*	Worker test session connection to CPM status. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
ebs_test_run *optional*	Whether to run EBS API test in this test session.	boolean
ebs_test_status *optional*	The result of the EBS API test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
end_time *optional*	Worker test session end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
s3_endpoint_test_run *optional*	Whether to run S3 Endpoint test in this test session.	boolean
s3_endpoint_test_status *optional*	The result of the S3 endpoint test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
session_status *optional*	The result of worker test session. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
ssh_test_run *optional*	Whether to run SSH test in this test session.	boolean

Name	Description	Schema
ssh_test_status *optional*	The result of the SSH test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
start_time *optional*	Worker test session start time.	string
test_session_fail_desc *optional*	Worker test session failure description.	string
worker *optional*	Worker test session worker instance.	integer

23.4.4. Produces

- `application/json`

23.5. Retrieve a worker configuration test session

```
GET /api/aws/workers/{configuration_id}/test/{id}/
```

23.5.1. Description

This endpoint retrieves the worker configuration test session for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can retrieve his own worker configuration test session.
* Root user can also retrieve a worker configuration test session for the managed users.
* Authenticated delegate user with `allowed_change_account` can retrieve a test session worker configuration for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.7.0`

23.5.2. Parameters

Type	Name	Schema
Path	**configuration_id** *required*	string
Path	**id** *required*	string

23.5.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_workers_test_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_workers_test_read

Name	Description	Schema
cloud *optional*		string

Name	Description	Schema
configuration *optional*	Worker test session worker configuration.	integer
connection_status *optional*	Worker test session connection to CPM status. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
ebs_test_run *optional*	Whether to run EBS API test in this test session.	boolean
ebs_test_status *optional*	The result of the EBS API test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
end_time *optional*	Worker test session end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
s3_endpoint_test_run *optional*	Whether to run S3 Endpoint test in this test session.	boolean
s3_endpoint_test_status *optional*	The result of the S3 endpoint test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
session_status *optional*	The result of worker test session. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
ssh_test_run *optional*	Whether to run SSH test in this test session.	boolean
ssh_test_status *optional*	The result of the SSH test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)

Name	Description	Schema
start_time *optional*	Worker test session start time.	string
test_session_fail_desc *optional*	Worker test session failure description.	string
worker *optional*	Worker test session worker instance.	integer

23.5.4. Produces

- `application/json`

23.6. List workers test session logs

```
GET /api/aws/workers/{configuration_id}/test/{id}/logs/
```

23.6.1. Description

This endpoint returns a list of all worker configuration test session logs.

Permissions and Restrictions:
* Any authenticated user can get his own worker configuration test session logs.
* Root user can get worker configuration test session logs for the managed users.
* Authenticated delegate user with `allowed_change_account` can get test session worker configuration logs for his original user.

- *Initial Release:* `1.7.0`
- *Last Modified Version:* `1.7.0`

23.6.2. Parameters

Type	Name	Schema
Path	**configuration_id** *required*	string
Path	**id** *required*	string

23.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_workers_test_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_workers_test_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string

Name	Description	Schema
log_type *optional*	Severity of the logging.	string

23.6.4. Produces

- `application/json`
- `text/csv`

23.7. Retrieve a worker configuration

```
GET /api/aws/workers/{id}/
```

23.7.1. Description

This endpoint returns the worker configuration for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own worker configuration.
* Root user can also get the worker configuration of the managed users.
* Delegates can get the worker configuration of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

23.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

23.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_workers_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_workers_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *optional*	Security group of worker configuration.	string

Name	Description	Schema
aws_subnet *optional*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be `Any`.	string
aws_vpc *optional*	VPC of worker configuration.	string
cloud *optional*		string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
region *optional*	Name of the AWS region.	integer
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
user *optional*	ID of the owner user.	integer
worker_role_arn *optional*		string

23.7.4. Produces

- `application/json`

23.8. Update worker configuration

```
PUT /api/aws/workers/{id}/
```

23.8.1. Description

This endpoint updates the worker configuration for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own worker configuration.
* Root user can also update a worker configuration for the managed users.
* Authenticated delegate user with `allowed_change_account` can update a worker configuration for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.2.0`

23.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_aws_workers_update** *required*	data_aws_workers_update

data_aws_workers_update

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *required*	Security group of worker configuration.	string
aws_subnet *optional*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be `Any`.	string
aws_vpc *required*	VPC of worker configuration.	string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string

Name	Description	Schema
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
region *required*	Name of the AWS region.	integer
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
worker_role_arn *optional*		string

23.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_aws_workers_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_aws_workers_update

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
aws_key_pair *optional*	Key pair of worker configuration.	string
aws_security_group *optional*	Security group of worker configuration.	string
aws_subnet *optional*	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be `Any`.	string
aws_vpc *optional*	VPC of worker configuration.	string
cloud *optional*		string

Name	Description	Schema
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
region *optional*	Name of the AWS region.	integer
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
user *optional*	ID of the owner user.	integer
worker_role_arn *optional*		string

23.8.4. Consumes

- `application/json`

23.8.5. Produces

- `application/json`

23.9. Delete a worker configuration

```
DELETE /api/aws/workers/{id}/
```

23.9.1. Description

This endpoint deletes the worker configuration for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own worker configuration.
* Root user can also delete a worker configuration for the managed users.
* Authenticated delegate user with `allowed_change_account` can a delete worker configuration for his original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

23.9.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

23.9.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 24. Agents

24.1. List N2WS agents

```
GET /api/agents/
```

24.1.1. Description

This endpoint returns a list of N2WS agents.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own agents.
* Root user can also get the agents of the managed users.
* Delegates can get the agents of their original user.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

24.1.2. Parameters

Type	Name	Description	Schema
Query	**aws_instance_id** *optional*	AWS instance ID of the backup agent.	string
Query	**name** *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * aws_instance_id * last_heard_from * name * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * name * aws_instance_id	string
Query	**user** *optional*	Username of the user this backup agent is associated with.	string

24.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_agents_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_agents_list

Name	Description	Schema
aws_instance_id *optional*	AWS instance ID of the backup agent.	string
id *optional*	Unique ID of the resource in N2WS.	integer
last_heard_from *optional*	Last time this backup agent was connected.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*		< string > array
user *optional*	Username of the user this backup agent is associated with.	integer

24.1.4. Produces

- `application/json`

24.2. Configure multiple agents

```
POST /api/agents/configuration/
```

24.2.1. Description

This endpoint configures multiple agents.

Permissions and Restrictions:
* Only the root user can change agents configuration.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

24.2.2. Parameters

Type	Name	Schema
Body	**data_agents_configuration_create** *required*	data_agents_configuration_create

data_agents_configuration_create

Name	Description	Schema
agents_configuration *required*	Configuration string for multiple agents.	string

24.2.3. Responses

HTTP Code	Description	Schema
201	Created	response_agents_configuration_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_agents_configuration_create

Name	Description	Schema
agents_configuration *optional*	Configuration string for multiple agents.	string

24.2.4. Consumes

- `application/json`

24.2.5. Produces

- `application/json`

Chapter 25. Alerts

25.1. Get N2WS alerts list

```
GET /api/alerts/
```

25.1.1. Description

This endpoint returns the N2WS's alerts.

Permissions and Restrictions:
* Any authenticated user can see his own alerts.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

25.1.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

25.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_alerts_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_alerts_list

Name	Description	Schema
alert_time *optional*	Time of the Current alert.	string
azure_policy *optional*		integer
category *optional*	Current alert's category.	string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
message_body *optional*	Current alert's message.	string
policy *optional*	Current alert's associated policy.	integer
severity *optional*	Current alert's severity. **Allowed Enum Values** * I (Info) * W (Warning) * E (Error) * C (Critical Error)	enum (I, W, E, C)
title *optional*	Current alert's title.	string
user *optional*	Current alert's associated user.	integer

25.1.4. Produces

- `application/json`

25.2. Delete all N2WS alerts

```
DELETE /api/alerts/
```

25.2.1. Description

This endpoint deletes all N2WS alerts.

Permissions and Restrictions:
* Any authenticated user can delete his own alerts.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

25.2.2. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

25.3. Retrieve a N2WS alert

```
GET /api/alerts/{id}/
```

25.3.1. Description

This endpoint returns a specific N2WS alert.

Permissions and Restrictions:
* Any authenticated user can retrieve his own alert.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

25.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

25.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_alerts_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_alerts_read

Name	Description	Schema
alert_time *optional*	Time of the Current alert.	string
azure_policy *optional*		integer
category *optional*	Current alert's category.	string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
message_body *optional*	Current alert's message.	string
policy *optional*	Current alert's associated policy.	integer
severity *optional*	Current alert's severity. **Allowed Enum Values** * I (Info) * W (Warning) * E (Error) * C (Critical Error)	enum (I, W, E, C)
title *optional*	Current alert's title.	string
user *optional*	Current alert's associated user.	integer

25.3.4. Produces

- `application/json`

25.4. Delete a N2WS alert

```
DELETE /api/alerts/{id}/
```

25.4.1. Description

This endpoint deletes a N2WS alert.

Permissions and Restrictions:
* Any authenticated user can delete his own alert.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

25.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

25.4.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 26. Aws

26.1. List AWS clouds

```
GET /api/aws/clouds/
```

26.1.1. Description

This endpoint returns list of AWS clouds.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

26.1.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

26.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_aws_clouds_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_aws_clouds_list

Name	Description	Schema
code *optional*	AWS cloud code.	string
display_name *optional*	AWS cloud (regions set) display name.	string

26.1.4. Produces

- `application/json`

Chapter 27. Azure Accounts

27.1. Create a N2WS Azure account

```
POST /api/azure/accounts/
```

27.1.1. Description

This endpoint creates a new Azure account.

Permissions and Restrictions:
* Any authenticated user with 'allow_account_changes' can create new accounts for himself.
* Root user can also create account for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can create a new account for his original user.
* All users are limited to the maximum number of allowed accounts according to the license.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

27.1.2. Parameters

Type	Name	Schema
Body	**data_azure_accounts_create** *required*	data_azure_accounts_create

data_azure_accounts_create

Name	Description	Schema
authentication *optional*	Account authentication type. **Allowed Enum Values** * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
client *optional*	Azure registered application's application (client) ID.	string
cloud *optional*	Cloud name. **Allowed Enum Values** * aws (Amazon Web Services) * azure (Microsoft Azure)	enum (aws, azure)

Name	Description	Schema
managed_identity_client_id *optional*	Azure managed identity client id.	string
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
scan_resource_types *optional*	Resource types to scan. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
secret *optional*	Azure registered application's secret.	string
tenant *optional*	Azure registered application's directory (tenant) ID.	string
user *required*	ID of the owner user.	integer

27.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_accounts_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_accounts_create

Name	Description	Schema
authentication *optional*	Account authentication type. **Allowed Enum Values** * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
client *optional*	Azure registered application's application (client) ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
managed_identity_client_id *optional*	Azure managed identity client id.	string

Name	Description	Schema
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*		< integer > array
scan_resource_types *optional*	Resource types to scan. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
tenant *optional*	Azure registered application's directory (tenant) ID.	string
user *optional*	ID of the owner user.	integer

27.1.4. Consumes

- `application/json`

27.1.5. Produces

- `application/json`

27.2. List N2WS Azure accounts

```
GET /api/azure/accounts/
```

27.2.1. Description

This endpoint returns a list of N2WS Azure accounts.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own accounts.
* Root user can also get the accounts of the managed users.
* Delegates can get the accounts of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

27.2.2. Parameters

Type	Name	Description	Schema
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * client * name * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * Name * Tenant * Client	string
Query	**user** *optional*	ID of the owner user.	string

27.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_accounts_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_accounts_list

Name	Description	Schema
authentication *optional*	Account authentication type. **Allowed Enum Values** * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
client *optional*	Azure registered application's application (client) ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
managed_identity_client_id *optional*	Azure managed identity client id.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*		< integer > array
scan_resource_types *optional*	Resource types to scan. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
tenant *optional*	Azure registered application's directory (tenant) ID.	string
user *optional*	ID of the owner user.	integer

27.2.4. Produces

- `application/json`

27.3. Retrieve a N2WS Azure account

```
GET /api/azure/accounts/{id}/
```

27.3.1. Description

This endpoint returns the N2WS Azure account for the ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own accounts.
* Root user can also get the accounts of the managed users.
* Delegates can get the accounts of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

27.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

27.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_accounts_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_accounts_read

Name	Description	Schema
authentication *optional*	Account authentication type. **Allowed Enum Values** * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
client *optional*	Azure registered application's application (client) ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
managed_identity_client_id *optional*	Azure managed identity client id.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
related_policies *optional*		< integer > array
scan_resource_types *optional*	Resource types to scan. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
tenant *optional*	Azure registered application's directory (tenant) ID.	string
user *optional*	ID of the owner user.	integer

27.3.4. Produces

- `application/json`

27.4. Update a N2WS Azure account

```
PUT /api/azure/accounts/{id}/
```

27.4.1. Description

This endpoint updates the Azure account for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user with `allow_account_changes` can update accounts.
* Root user can also update accounts for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can update accounts for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

27.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_accounts_update** *required*	data_azure_accounts_update

data_azure_accounts_update

Name	Description	Schema
authentication *optional*	Account authentication type. **Allowed Enum Values** * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
client *optional*	Azure registered application's application (client) ID.	string
cloud *optional*	Cloud name. **Allowed Enum Values** * aws (Amazon Web Services) * azure (Microsoft Azure)	enum (aws, azure)

Name	Description	Schema
managed_identity_client_id *optional*	Azure managed identity client id.	string
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
scan_resource_types *optional*	Resource types to scan. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
secret *optional*	Azure registered application's secret.	string
tenant *optional*	Azure registered application's directory (tenant) ID.	string

27.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_accounts_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_accounts_update

Name	Description	Schema
authentication *optional*	Account authentication type. **Allowed Enum Values** * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
client *optional*	Azure registered application's application (client) ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
managed_identity_client_id *optional*	Azure managed identity client id.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

Name	Description	Schema
related_policies *optional*		< integer > array
scan_resource_types *optional*	Resource types to scan. If not set, `all` supported resource types will be scanned.	< integer > array
scan_tagged_resources *optional*	Whether the current account will be included in scan tags performed by the system or not.	boolean
tenant *optional*	Azure registered application's directory (tenant) ID.	string
user *optional*	ID of the owner user.	integer

27.4.4. Consumes

- `application/json`

27.4.5. Produces

- `application/json`

27.5. Delete a N2WS Azure account

```
DELETE /api/azure/accounts/{id}/
```

27.5.1. Description

This endpoint deletes the N2WS Azure account for the ID passed in the URL path. The snapshots associated with the deleted account will **not be deleted**.

Permissions and Restrictions:
* Any authenticated regular user can delete his own accounts.
* Root user can also delete accounts for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can delete the account for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

27.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

27.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

27.6. Check Azure permissions for selected backup account

```
GET /api/azure/accounts/{id}/check_azure_permissions/
```

27.6.1. Description

This endpoint checks Azure permissions for this backup account.

Permissions and Restrictions:
* Any authenticated user can check his account Azure permissions.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

27.6.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

27.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_accounts_backup_check_azure_permissions > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_accounts_backup_check_azure_permissions

Name	Description	Schema
account_name *optional*	Account name for checking Azure permissions.	string
groups *optional*	Groups of the account for checking Azure permissions.	< object > array
subscription_id *optional*	Subscription ID for checking Azure permissions.	string

27.6.4. Produces

- `application/json`

27.7. Download a CSV file containing the checking of Azure permissions for selected account

```
GET /api/azure/accounts/{id}/check_azure_permissions/download/
```

27.7.1. Description

This endpoint downloads a CSV file containing the checking of Azure permissions for this account.

Permissions and Restrictions:
* Any authenticated user can check his account Azure permissions.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

27.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

27.7.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

27.7.4. Produces

- `text/csv`

27.8. Delete all snapshots of a N2WS account

```
DELETE /api/azure/accounts/{id}/snapshots/
```

27.8.1. Description

This endpoint deletes all snapshots of the N2WS account whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshots.
* Root user can also delete snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` and with `allow_account_changes` can delete the snapshots for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

27.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

27.8.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

Chapter 28. Azure Backups

28.1. List N2WS Azure backup records

```
GET /api/azure/backups/
```

28.1.1. Description

This endpoint returns a list of N2WS Azure backup records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own Azure backups.
* Root user can also get the Azure backup records of the managed users.
* Delegates can get the Azure backup records of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**is_freezer_item** *optional*	Whether this backup item was moved to freezer or not.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * dr_status * end_time * is_freezer_item * policy * start_time * status * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**policy** *optional*	ID of the policy this resource is associated with.	string
Query	**search** *optional*	Search term to look for in the fields: * name * description	string
Query	**search_by_disk** *optional*	None	string
Query	**search_by_sql_database** *optional*	None	string
Query	**search_by_sql_server** *optional*	None	string
Query	**search_by_virtual_machine** *optional*	None	string
Query	**start_time** *optional*	Backup's start time.	string
Query	**status** *optional*	Backup's status.	string
Query	**user** *optional*	ID of the owner user.	string

28.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_backups_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
cloud *optional*		string
description *optional*	Description for the resource.	string

Name	Description	Schema
dr_status *optional*	**Allowed Enum Values** * 0 (Dummy)	enum (0)
end_time *optional*	Whether this backup is a retry attempt or not.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_backup_record_empty *optional*		boolean
is_freezer_item *optional*	Whether this backup item was moved to freezer or not.	boolean
is_recoverable *optional*	Can this backup be recovered.	boolean
is_retry *optional*	Whether this backup is marked for deletion or not.	boolean
move_to_freezer_enabled *optional*		boolean
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean
start_time *optional*	Backup's start time.	string
status *optional*	Backup's status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

28.1.4. Produces

- `application/json`

28.2. List backup snapshots

```
GET /api/azure/backups/{backup_id}/snapshots/
```

28.2.1. Description

This endpoint returns a list of snapshot records.

Optional `filters` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user and his delegates can also get the snapshots of managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.2.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string

28.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_backups_snapshots_read > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_snapshots_read

Name	Description	Schema
account_name *optional*		string
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string

Name	Description	Schema
deletion_time *optional*		string
end_time *optional*		string
location *optional*	Azure location.	string
resource_group *optional*	Name of the Azure resource group.	string
snapshot_type *optional*		string
succeeded *optional*		boolean

28.2.4. Produces

- `application/json`

28.3. Delete all snapshots of a backup record

```
DELETE /api/azure/backups/{backup_id}/snapshots/
```

28.3.1. Description

This endpoint deletes all snapshots of the backup record whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete all his own snapshots.
* Root user can also delete all snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete all snapshots for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

28.3.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string

28.3.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

28.4. List the disk snapshots of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/disks/
```

28.4.1. Description

This endpoint returns a list of the disk snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.4.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**azure_account** *optional*	None	string
Query	**azure_account_name** *optional*	None	string
Query	**azure_resource_id** *optional*	ID of the resource in Azure.	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**location** *optional*	Snapshot's Azure text location.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**resource** *optional*	A full or partial resource ID to search by.	string
Query	**resource_group** *optional*	Snapshot's Azure resource group.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

28.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_backups_snapshots_disks_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_snapshots_disks_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string
availability_zones *optional*		< string > array
azure_account_client *optional*	The Azure registered application's client secret.	string
azure_account_tenant *optional*	The Azure registered application's tenant id.	string
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string

Name	Description	Schema
encryption *optional*	Disk encryption set.	response_azure_backups_snapshots_disks_list_encryption
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_os_disk *optional*	Indicates if disk is OS disk.	boolean
location *optional*	Snapshot's Azure text location.	string
lun *optional*		integer
policy_name *optional*	Associated policy name.	string
resource_group *optional*	Snapshot's Azure resource group.	string
size *optional*	Size of the disk (Gib).	integer
sku *optional*		string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_azure_account_client *optional*	The Azure registered application's client secret.	string
snapshot_azure_account_tenant *optional*	The Azure registered application's tenant id.	string
snapshot_id *optional*	Snapshot's Azure ID.	string
snapshot_type *optional*	Backed-up resource type ('disk')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean

Name	Description	Schema
username *optional*	Associated user’s username.	string
virtual_machine_id *optional*	Virtual Machine’s ID if an attached disk, otherwise 'null'.	string
virtual_machine_name *optional*	Virtual Machine’s name if an attached disk, otherwise 'null'.	string

response_azure_backups_snapshots_disks_list_encryption

Name	Schema
encryption_set_id *optional*	string
type *optional*	string

28.4.4. Produces

- `application/json`

28.5. Retrieve a disk snapshot of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/disks/{id}/
```

28.5.1. Description

This endpoint returns the disk snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.5.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

28.5.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_backups_snapshots_disks_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_backups_snapshots_disks_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
availability_zones *optional*		< string > array
azure_account_client *optional*	The Azure registered application's client secret.	string
azure_account_tenant *optional*	The Azure registered application's tenant id.	string
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
encryption *optional*	Disk encryption set.	response_azure_backups_snapshots_disks_read_encryption
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_os_disk *optional*	Indicates if disk is OS disk.	boolean
location *optional*	Snapshot's Azure text location.	string
lun *optional*		integer
policy_name *optional*	Associated policy name.	string
resource_group *optional*	Snapshot's Azure resource group.	string
size *optional*	Size of the disk (Gib).	integer
sku *optional*		string
snapshot_account_id *optional*	ID of the account in which the snapshot was created.	integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string

Name	Description	Schema
snapshot_azure_account_client *optional*	The Azure registered application's client secret.	string
snapshot_azure_account_tenant *optional*	The Azure registered application's tenant id.	string
snapshot_id *optional*	Snapshot's Azure ID.	string
snapshot_type *optional*	Backed-up resource type ('disk')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
username *optional*	Associated user's username.	string
virtual_machine_id *optional*	Virtual Machine's ID if an attached disk, otherwise 'null'.	string
virtual_machine_name *optional*	Virtual Machine's name if an attached disk, otherwise 'null'.	string

response_azure_backups_snapshots_disks_read_encryption

Name	Schema
encryption_set_id *optional*	string
type *optional*	string

28.5.4. Produces

- `application/json`

28.6. Delete a disk snapshot of a backup record

```
DELETE /api/azure/backups/{backup_id}/snapshots/disks/{id}/
```

28.6.1. Description

This endpoint deletes the disk snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes`
can delete the snapshot of a backup record for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.6.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

28.6.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

28.7. Recover disk from backup

```
POST /api/azure/backups/{backup_id}/snapshots/disks/{snapshot_record_id}/recover/
```

28.7.1. Description

This endpoint recovers the disk of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/azure/backups/{backup_id}/snapshots/disks/`

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.7.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_azure_backups_snapshots_disks_recover_create** *required*	data_azure_backups_snapshots_disks_recover_create

data_azure_backups_snapshots_disks_recover_create

Name	Description	Schema
availability_zones *optional*		< string > array
encryption_set_id *optional*		string
name *optional*	Name of the resource.	string

Name	Description	Schema
preserve_tags *optional*		boolean
resource_group *optional*		string
size *optional*		integer

28.7.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_backups_snapshots_disks_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_azure_backups_snapshots_disks_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer

Name	Description	Schema
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * 0 (Dummy)	enum (0)
status *optional*	Recovery status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
user *optional*	Recovery associated user.	integer

28.7.4. Consumes

- `application/json`

28.7.5. Produces

- `application/json`

28.8. List the DR disk snapshots of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/dr_disks/
```

28.8.1. Description

This endpoint returns a list of the DR disk snapshots of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user can also get the snapshots of the managed users.
* Delegates can get the snapshots of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.8.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**azure_account** *optional*	None	string
Query	**azure_account_name** *optional*	None	string
Query	**azure_resource_id** *optional*	None	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**location** *optional*	Snapshot's Azure text location.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**resource** *optional*	None	string
Query	**resource_group** *optional*	Snapshot's Azure resource group.	string
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string
Query	**user** *optional*	ID of the owner user.	string

28.8.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_backups_snapshots_dr_disks_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_snapshots_dr_disks_list

Name	Description	Schema
account_id *optional*		integer
account_name *optional*	Associated account name.	string
availability_zones *optional*		< string > array
azure_account_client *optional*	The Azure registered application's client secret.	string
azure_account_tenant *optional*	The Azure registered application's tenant id.	string
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
blob_name *optional*	Blob name (snapshot copy)	string
container_name *optional*	Blob's Container name	string

Name	Description	Schema
deletion_time *optional*	Time of the snapshot's deletion.	string
encryption *optional*	Disk encryption set.	response_azure_backups_snapshots_dr_disks_list_encryption
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_os_disk *optional*	Indicates if disk is OS disk.	boolean
location *optional*		string
lun *optional*		string
original_snap *optional*		string
policy_name *optional*	Associated policy name.	string
resource_group *optional*		string
size *optional*		integer
sku *optional*		string
snapshot_account_id *optional*		integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_azure_account_client *optional*	The Azure registered application's client secret.	string
snapshot_azure_account_tenant *optional*	The Azure registered application's tenant id.	string
snapshot_id *optional*	Snapshot's Azure ID.	string
snapshot_type *optional*	Backed-up resource type ('disk')	string
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup status.	string
storage_account_id *optional*	Storage Account Azure ID.	string
storage_account_name *optional*	Storage Account name.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Disk tags	object
username *optional*	Name of the owner user.	string
virtual_machine_id *optional*	Virtual Machine's ID if an attached disk, otherwise 'null'.	string
virtual_machine_name *optional*	Virtual Machine's name if an attached disk, otherwise 'null'.	string

response_azure_backups_snapshots_dr_disks_list_encryption

Name	Schema
encryption_set_id *optional*	string
type *optional*	string

28.8.4. Produces

- `application/json`

28.9. Retrieve a DR disk snapshot of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/dr_disks/{id}/
```

28.9.1. Description

This endpoint returns the DR disk snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots of a backup record.
* Root user can also get the snapshots of a backup record of the managed users.
* Delegates can get the snapshots of a backup record of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.9.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

28.9.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_backups_snapshots_dr_disks_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_backups_snapshots_dr_disks_read

Name	Description	Schema
account_id *optional*		integer
account_name *optional*	Associated account name.	string

Name	Description	Schema
availability_zones *optional*		< string > array
azure_account_client *optional*	The Azure registered application's client secret.	string
azure_account_tenant *optional*	The Azure registered application's tenant id.	string
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
blob_name *optional*	Blob name (snapshot copy)	string
container_name *optional*	Blob's Container name	string
deletion_time *optional*	Time of the snapshot's deletion.	string
encryption *optional*	Disk encryption set.	response_azure_backups_snapshots_dr_disks_read_encryption
end_time *optional*	Snapshot's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_os_disk *optional*	Indicates if disk is OS disk.	boolean
location *optional*		string
lun *optional*		string
original_snap *optional*		string
policy_name *optional*	Associated policy name.	string
resource_group *optional*		string
size *optional*		integer

Name	Description	Schema
sku *optional*		string
snapshot_account_id *optional*		integer
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_azure_account_client *optional*	The Azure registered application’s client secret.	string
snapshot_azure_account_tenant *optional*	The Azure registered application’s tenant id.	string
snapshot_id *optional*	Snapshot’s Azure ID.	string
snapshot_type *optional*	Backed-up resource type ('disk')	string
start_time *optional*	Backup’s start time.	string
status *optional*	Backup status.	string
storage_account_id *optional*	Storage Account Azure ID.	string
storage_account_name *optional*	Storage Account name.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
tags *optional*	Disk tags	object
username *optional*	Name of the owner user.	string
virtual_machine_id *optional*	Virtual Machine’s ID if an attached disk, otherwise 'null'.	string
virtual_machine_name *optional*	Virtual Machine’s name if an attached disk, otherwise 'null'.	string

response_azure_backups_snapshots_dr_disks_read_encryption

Name	Schema
encryption_set_id *optional*	string
type *optional*	string

28.9.4. Produces

- application/json

28.10. Delete a DR disk snapshot of a backup record

```
DELETE /api/azure/backups/{backup_id}/snapshots/dr_disks/{id}/
```

28.10.1. Description

This endpoint deletes the DR disk snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes`
can delete the snapshot of a backup record for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.10.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

28.10.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

28.11. Recover DR disk from backup

```
POST /api/azure/backups/{backup_id}/snapshots/dr_disks/{snapshot_record_id}/recover/
```

28.11.1. Description

This endpoint recovers the DR disk of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/azure/backups/{backup_id}/snapshots/disks/`

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.11.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_azure_backups_snapshots_dr_disks_recover_create** *required*	data_azure_backups_snapshots_dr_disks_recover_create

data_azure_backups_snapshots_dr_disks_recover_create

Name	Description	Schema
availability_zones *optional*		< string > array
encryption_set_id *optional*		string
name *optional*	Name of the resource.	string

Name	Description	Schema
preserve_tags *optional*		boolean
resource_group *optional*		string
size *optional*		integer

28.11.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_backups_snapshots_dr_disks_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_azure_backups_snapshots_dr_disks_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer

Name	Description	Schema
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * 0 (Dummy)	enum (0)
status *optional*	Recovery status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
user *optional*	Recovery associated user.	integer

28.11.4. Consumes

- `application/json`

28.11.5. Produces

- `application/json`

28.12. List all SQL databases of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/sql_databases/
```

28.12.1. Description

This endpoint returns a list of SQL databases of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own SQL databases.
* Root user can also get the SQL databases of the managed users.
* Delegates can get the SQL databases of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.12.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**resource** *optional*	None	string

28.12.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_backups_snapshots_sql_databases_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_snapshots_sql_databases_list

Name	Description	Schema
account_id *optional*		integer
account_name *optional*		string
azure_account_client *optional*		string
azure_account_tenant *optional*		string
backed_up_resource_id *optional*		string
backed_up_resource_name *optional*		string
backup_id *optional*		string
blobs *optional*		string
container_name *optional*		string
deletion_time *optional*		string
edition *optional*		string
end_time *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
max_size_bytes *optional*		integer
policy_name *optional*		string
resource_group *optional*		string
service_objective_name *optional*		string
snapshot_account_id *optional*		integer

Name	Description	Schema
snapshot_account_name *optional*		string
snapshot_azure_account_client *optional*		string
snapshot_azure_account_tenant *optional*		string
snapshot_id *optional*		string
snapshot_type *optional*		string
sql_server_id *optional*		string
sql_server_name *optional*		string
start_time *optional*		string
status *optional*		string
storage_account_id *optional*		string
storage_account_name *optional*		string
succeeded *optional*		boolean
tags *optional*		object
username *optional*	Name of the owner user.	string

28.12.4. Produces

- `application/json`

28.13. Retrieve an SQL database of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/sql_databases/{id}/
```

28.13.1. Description

This endpoint returns the SQL database of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own SQL database.
* Root user can also get the SQL database of the managed users.
* Delegates can get the SQL database of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.13.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

28.13.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_backups_snapshots_sql_databases_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_backups_snapshots_sql_databases_read

Name	Description	Schema
account_id *optional*		integer
account_name *optional*		string

Name	Description	Schema
azure_account_client *optional*		string
azure_account_tenant *optional*		string
backed_up_resource_id *optional*		string
backed_up_resource_name *optional*		string
backup_id *optional*		string
blobs *optional*		string
container_name *optional*		string
deletion_time *optional*		string
edition *optional*		string
end_time *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
max_size_bytes *optional*		integer
policy_name *optional*		string
resource_group *optional*		string
service_objective_name *optional*		string
snapshot_account_id *optional*		integer
snapshot_account_name *optional*		string
snapshot_azure_account_client *optional*		string

Name	Description	Schema
snapshot_azure_account_tenant *optional*		string
snapshot_id *optional*		string
snapshot_type *optional*		string
sql_server_id *optional*		string
sql_server_name *optional*		string
start_time *optional*		string
status *optional*		string
storage_account_id *optional*		string
storage_account_name *optional*		string
succeeded *optional*		boolean
tags *optional*		object
username *optional*	Name of the owner user.	string

28.13.4. Produces

- `application/json`

28.14. Delete an SQL database snapshot of a backup record

```
DELETE /api/azure/backups/{backup_id}/snapshots/sql_databases/{id}/
```

28.14.1. Description

This endpoint deletes the SQL database snapshot of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own snapshot of a backup record.
* Root user can also delete snapshot of a backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes`
can delete the snapshot of a backup record for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.14.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

28.14.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

28.15. Recover SQL database from backup

```
POST /api/azure/backups/{backup_id}/snapshots/sql_databases/{snapshot_record_id}/recover/
```

28.15.1. Description

This endpoint recovers the SQL database of a backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/azure/backups/{backup_id}/snapshots/sql_databases/`

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.15.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_azure_backups_snapshots_sql_databases_recover_create** *required*	data_azure_backups_snapshots_sql_databases_recover_create

data_azure_backups_snapshots_sql_databases_recover_create

Name	Description	Schema
administrator_login *required*		string
administrator_login_password *required*		string
attach_to_sql_server *required*		string

Name	Description	Schema
edition *optional*		string
max_size_bytes *optional*		integer
name *optional*	Name of the resource.	string
preserve_tags *optional*		boolean
service_objective_name *optional*		string
worker_configuration *optional*		data_azure_backups_snapshots_sql_databases_recover_create_worker_configuration

data_azure_backups_snapshots_sql_databases_recover_create_worker_configuration

Name	Description	Schema
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
network_security_group *required*		string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
ssh_key *optional*		string
subnet *required*		string
virtual_network *required*		string

28.15.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_backups_snapshots_sql_databases_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_azure_backups_snapshots_sql_databases_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer

Name	Description	Schema
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * 0 (Dummy)	enum (0)
status *optional*	Recovery status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
user *optional*	Recovery associated user.	integer

28.15.4. Consumes

- `application/json`

28.15.5. Produces

- `application/json`

28.16. List all SQL servers of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/sql_servers/
```

28.16.1. Description

This endpoint returns a list of SQL servers of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own SQL servers.
* Root user can also get the SQL servers of the managed users.
* Delegates can get the SQL servers of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.16.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**resource** *optional*	None	string

28.16.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_backups_snapshots_sql_servers_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_snapshots_sql_servers_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
allow_azure_services *optional*		boolean
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
firewall_rules *optional*		< response_azure_backups_snapshots_sql_servers_list_firewall_rules > array
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*	Azure location.	string
minimal_tls_version *optional*		string
public_network_access *optional*		boolean
resource_group *optional*	Name of the Azure resource group.	string
version *optional*		string
vnet_rules *optional*		< response_azure_backups_snapshots_sql_servers_list_vnet_rules > array

response_azure_backups_snapshots_sql_servers_list_firewall_rules

Name	Description	Schema
end_ip_address *optional*		string
name *optional*	Name of the resource.	string

Name	Description	Schema
start_ip_address *optional*		string

response_azure_backups_snapshots_sql_servers_list_vnet_rules

Name	Description	Schema
ignore_missing_vnet_service_endpoint *optional*		boolean
name *optional*	Name of the resource.	string
virtual_network_id *optional*		string
virtual_network_subnet_id *optional*		string

28.16.4. Produces

- `application/json`

28.17. Retrieve an SQL server of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/sql_servers/{id}/
```

28.17.1. Description

This endpoint returns the SQL server of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own SQL server.
* Root user can also get the SQL server of the managed users.
* Delegates can get the SQL server of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.17.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

28.17.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_backups_snapshots_sql_servers_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_backups_snapshots_sql_servers_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
allow_azure_services *optional*		boolean

Name	Description	Schema
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
firewall_rules *optional*		< response_azure_backups_snapshots_sql_servers_read_firewall_rules > array
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*	Azure location.	string
minimal_tls_version *optional*		string
public_network_access *optional*		boolean
resource_group *optional*	Name of the Azure resource group.	string
version *optional*		string
vnet_rules *optional*		< response_azure_backups_snapshots_sql_servers_read_vnet_rules > array

response_azure_backups_snapshots_sql_servers_read_firewall_rules

Name	Description	Schema
end_ip_address *optional*		string
name *optional*	Name of the resource.	string
start_ip_address *optional*		string

response_azure_backups_snapshots_sql_servers_read_vnet_rules

Name	Description	Schema
ignore_missing_vnet_service_endpoint *optional*		boolean
name *optional*	Name of the resource.	string
virtual_network_id *optional*		string
virtual_network_subnet_id *optional*		string

28.17.4. Produces

- `application/json`

28.18. Recover SQL server from backup

```
POST /api/azure/backups/{backup_id}/snapshots/sql_servers/{snapshot_record_id}/recover/
```

28.18.1. Description

This endpoint recovers the SQL servers of a backup record for the ID passed in the URL path.
if destination location is not given, recovery will be done to original location.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/azure/backups/{backup_id}/snapshots/sql_servers/`

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

28.18.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_azure_backups_snapshots_sql_servers_recover_create** *required*	data_azure_backups_snapshots_sql_servers_recover_create

data_azure_backups_snapshots_sql_servers_recover_create

Name	Description	Schema
administrator_login *required*		string
administrator_login_password *required*		string

Name	Description	Schema
allow_azure_services *optional*		boolean
databases *required*		< data_azure_backups_snapshots_sql_servers_recover_create_databases > array
firewall_rules *optional*		< data_azure_backups_snapshots_sql_servers_recover_create_firewall_rules > array
location *optional*		string
minimal_tls_version *optional*		string
name *optional*	Name of the resource.	string
preserve_tags *optional*		boolean
private_dns_zone *optional*		string
public_network_access *optional*		boolean
resource_group *optional*		string
subscription_id *optional*		string
version *optional*		string
vnet_rules *optional*		< data_azure_backups_snapshots_sql_servers_recover_create_vnet_rules > array

Name	Description	Schema
worker_configuration *optional*		data_azure_backups_snapshots_sql_servers_recover_create_worker_configuration

data_azure_backups_snapshots_sql_servers_recover_create_databases

Name	Description	Schema
azure_id *required*		string
edition *optional*		string
max_size_bytes *optional*		integer
name *optional*	Name of the resource.	string
preserve_tags *optional*		boolean
service_objective_name *optional*		string

data_azure_backups_snapshots_sql_servers_recover_create_firewall_rules

Name	Schema
end_ip_address *required*	string
name *required*	string
start_ip_address *required*	string

data_azure_backups_snapshots_sql_servers_recover_create_vnet_rules

Name	Schema
ignore_missing_vnet_service_endpoint *required*	boolean
name *required*	string
virtual_network_id *required*	string

Name	Schema
virtual_network_subnet_id *required*	string

data_azure_backups_snapshots_sql_servers_recover_create_worker_configuration

Name	Description	Schema
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
network_security_group *required*		string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
ssh_key *optional*		string
subnet *required*		string
virtual_network *required*		string

28.18.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_backups_snapshots_sql_servers_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_azure_backups_snapshots_sql_servers_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer

Name	Description	Schema
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * 0 (Dummy)	enum (0)
status *optional*	Recovery status. **Allowed Enum Values** * 0 (Dummy)	enum (0)

Name	Description	Schema
user *optional*	Recovery associated user.	integer

28.18.4. Consumes

- `application/json`

28.18.5. Produces

- `application/json`

28.19. List all virtual machines of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/virtual_machines/
```

28.19.1. Description

This endpoint returns a list of virtual machines of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own virtual machines.
* Root user can also get the virtual machines of the managed users.
* Delegates can get the virtual machines of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.19.2. Parameters

Type	Name	Description	Schema
Path	**backup_id** *required*		string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**resource** *optional*	None	string

28.19.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_backups_snapshots_virtual_machines_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_snapshots_virtual_machines_list

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
additional_nics *optional*	Virtual machine additional NICS.	string
availability_set_id *optional*	Availability set ID.	string
availability_zones *optional*	Availability zones.	< string > array
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
host_group_id *optional*	Host group ID.	string
host_id *optional*	Host ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
image_sku *optional*	Virtual machine image sku	string
location *optional*	Azure location.	string
nic *optional*	Virtual machine NIC.	string
os_type *optional*	Virtual machine OS type.	string
private_ip_address *optional*	Virtual machine private IP address.	string
proximity_placement_group_id *optional*	Proximity placement group ID.	string
resource_group *optional*	Name of the Azure resource group.	string
security_group *optional*	Virtual machine security group ID.	string
subnet *optional*	Virtual machine subnet.	string
vm_size *optional*	Virtual machine size.	string

Name	Description	Schema
vnet *optional*		string

28.19.4. Produces

- `application/json`

28.20. Retrieve an virtual machine of a backup record

```
GET /api/azure/backups/{backup_id}/snapshots/virtual_machines/{id}/
```

28.20.1. Description

This endpoint returns the virtual machine of the backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own virtual machine.
* Root user can also get the virtual machine of the managed users.
* Delegates can get the virtual machine of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.20.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**id** *required*	string

28.20.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_backups_snapshots_virtual_machines_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_backups_snapshots_virtual_machines_read

Name	Description	Schema
account_id *optional*	Associated account ID.	integer
additional_nics *optional*	Virtual machine additional NICS.	string

Name	Description	Schema
availability_set_id *optional*	Availability set ID.	string
availability_zones *optional*	Availability zones.	< string > array
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
host_group_id *optional*	Host group ID.	string
host_id *optional*	Host ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
image_sku *optional*	Virtual machine image sku	string
location *optional*	Azure location.	string
nic *optional*	Virtual machine NIC.	string
os_type *optional*	Virtual machine OS type.	string
private_ip_address *optional*	Virtual machine private IP address.	string
proximity_placement_group_id *optional*	Proximity placement group ID.	string
resource_group *optional*	Name of the Azure resource group.	string
security_group *optional*	Virtual machine security group ID.	string
subnet *optional*	Virtual machine subnet.	string
vm_size *optional*	Virtual machine size.	string
vnet *optional*		string

28.20.4. Produces

- `application/json`

28.21. Recover virtual machine from backup

```
POST /api/azure/backups/{backup_id}/snapshots/virtual_machines/{snapshot_record_id}/recover/
```

28.21.1. Description

This endpoint recovers the virtual machines of a backup record for the ID passed in the URL path.
if destination location is not given, recovery will be done to original location.

Permissions and Restrictions:
* Recover is possible on successful backup that wasn't deleted.
* Any authenticated user can recover his own snapshots.
* Root user can also recover the snapshots of the managed users.
* Authenticated delegate users with `allow_recovery` can recover the snapshots for their original user.



The path parameter **snapshot_record_id** refers to **id** attribute which returns in the response body of `GET /api/azure/backups/{backup_id}/snapshots/virtual_machines/`

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.2.0`

28.21.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Path	**snapshot_record_id** *required*	string
Body	**data_azure_backups_snapshots_virtual_machines_recover_create** *required*	data_azure_backups_snapshots_virtual_machines_recover_create

data_azure_backups_snapshots_virtual_machines_recover_create

Name	Description	Schema
availability_set_id *optional*		string
availability_zones *optional*		< string > array

Name	Description	Schema
disks *optional*		< data_azure_backups_snapshots_virtual_machines_recover_create_disks > array
host_group_id *optional*		string
host_id *optional*		string
name *optional*	Name of the resource.	string
nic_name *optional*		string
nic_subnet *optional*		string
preserve_tags *optional*		boolean
private_ip_address *optional*		string
proximity_placement_group_id *optional*		string
resource_group *optional*		string
security_group *optional*		string
to_location *optional*		string
vm_size *optional*		string

data_azure_backups_snapshots_virtual_machines_recover_create_disks

Name	Description	Schema
availability_zones *optional*		< string > array
azure_id *required*		string
encryption_set_id *optional*		string

Name	Description	Schema
is_os_disk *optional*		boolean
name *optional*	Name of the resource.	string
preserve_tags *optional*		boolean
resource_group *optional*		string
size *optional*		integer

28.21.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_backups_snapshots_virtual_machines_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_azure_backups_snapshots_virtual_machines_recover_create

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * 0 (Dummy)	enum (0)
status *optional*	Recovery status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
user *optional*	Recovery associated user.	integer

28.21.4. Consumes

- `application/json`

28.21.5. Produces

- `application/json`

28.22. Move a backup record to the freezer

```
POST /api/azure/backups/{backup_id}/to_freezer/
```

28.22.1. Description

This endpoint moves a backup record to the freezer.

Permissions and Restrictions:
* Any authenticated user with change backup permissions can move a backup to the freezer.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.22.2. Parameters

Type	Name	Schema
Path	**backup_id** *required*	string
Body	**data_azure_backups_to_freezer_create** *required*	data_azure_backups_to_freezer_create

data_azure_backups_to_freezer_create

Name	Description	Schema
description *required*	Description for the resource.	string
name *required*	Name of the resource.	string

28.22.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_backups_to_freezer_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_to_freezer_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
description *optional*	Description for the resource.	string
dr_status *optional*	**Allowed Enum Values** * 0 (Dummy)	enum (0)
end_time *optional*	Whether this backup is a retry attempt or not.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_retry *optional*	Whether this backup is marked for deletion or not.	boolean
marked_for_deletion *optional*	Whether this backup is marked for deletion or not.	boolean
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean
start_time *optional*	Backup's start time.	string
status *optional*	Backup's status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
user *optional*	ID of the owner user.	integer

28.22.4. Consumes

- `application/json`

28.22.5. Produces

- `application/json`

28.23. Retrieve a N2WS Azure backup record

```
GET /api/azure/backups/{id}/
```

28.23.1. Description

This endpoint returns the N2WS Azure backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own Azure backup records.
* Root user can also get the Azure backup records of the managed users.
* Delegates can get the Azure backup records of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.23.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

28.23.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_backups_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_backups_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
cloud *optional*		string
description *optional*	Description for the resource.	string

Name	Description	Schema
dr_status *optional*	**Allowed Enum Values** * 0 (Dummy)	enum (0)
end_time *optional*	Whether this backup is a retry attempt or not.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_backup_record_empty *optional*		boolean
is_freezer_item *optional*	Whether this backup item was moved to freezer or not.	boolean
is_recoverable *optional*	Can this backup be recovered.	boolean
is_retry *optional*	Whether this backup is marked for deletion or not.	boolean
move_to_freezer_enabled *optional*		boolean
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean
start_time *optional*	Backup's start time.	string
status *optional*	Backup's status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

28.23.4. Produces

- `application/json`

28.24. Update a N2WS Azure freezer backup record

```
PUT /api/azure/backups/{id}/
```

28.24.1. Description

This endpoint updates the Azure freezer backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user with `allow_backup_changes` can update freezer Azure backup record.
* Root user can also update freezer Azure backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes`can update freezer Azure backup record for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.24.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_backups_update** *required*	data_azure_backups_update

data_azure_backups_update

Name	Description	Schema
description *required*	Description for the resource.	string
name *required*	Name of the resource.	string
subscription_id *required*		string

28.24.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_backups_update

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_backups_update

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
cloud *optional*		string
description *optional*	Description for the resource.	string
dr_status *optional*	**Allowed Enum Values** * 0 (Dummy)	enum (0)
end_time *optional*	Whether this backup is a retry attempt or not.	string
id *optional*	Unique ID of the resource in N2WS.	integer
is_backup_record_empty *optional*		boolean
is_freezer_item *optional*	Whether this backup item was moved to freezer or not.	boolean
is_recoverable *optional*	Can this backup be recovered.	boolean
is_retry *optional*	Whether this backup is marked for deletion or not.	boolean
move_to_freezer_enabled *optional*		boolean
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean
start_time *optional*	Backup's start time.	string

Name	Description	Schema
status *optional*	Backup's status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

28.24.4. Consumes

- `application/json`

28.24.5. Produces

- `application/json`

28.25. Delete an Azure N2WS freezer Azure backup record

```
DELETE /api/azure/backups/{id}/
```

28.25.1. Description

This endpoint deletes the N2WS freezer Azure backup record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated regular user can delete his own freezer Azure backup record.
* Root user can also delete freezer Azure backup record for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete the freezer Azure backup record for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

28.25.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

28.25.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

28.26. List the selected logs - azure backup record

```
GET /api/azure/backups/{id}/logs/
```

28.26.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.1.0`

28.26.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**severity** *optional*	None	string

28.26.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_backups_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_backups_list_logs

Name	Description	Schema
log *optional*	Log message.	string

Name	Description	Schema
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

28.26.4. Produces

- `application/json`
- `text/csv`

Chapter 29. Azure Cost Explorer

29.1. List blended costs for storage of backup target snapshots in the given time frame for several policies

```
GET /api/azure/cost_explorer/backup_costs/
```

29.1.1. Description

This endpoint lists the costs for storage of Azure snapshots that were created for the policies of the given user, in the given time frame.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Authenticated user which is permitted to use this API can see the costs of his own policies.
* Root and independent users can also see the costs for policies of the managed users.
* Delegates can see the costs for policies of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

29.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Account the policy is associated with.	string
Query	**enabled** *optional*	If set, the policy will be enabled.	string
Query	**end_date** *required*	End date for the cost estimation time frame.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * enabled * generations * name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**schedules** *optional*	Schedule IDs associated with this policy for when to backup.	string
Query	**search** *optional*	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule * Associated subscription id	string
Query	**start_date** *required*	Start date for the cost estimation time frame.	string
Query	**user** *optional*	ID of the owner user.	string

29.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_cost_explorer_backup_costs_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_cost_explorer_backup_costs_list

Name	Description	Schema
blended_costs *optional*	Blended costs (USD) for storage of Azure snapshots.	number
cloud *optional*		string
end_date *optional*	End date for the cost estimation time frame.	string
policy *optional*	Policy ID of the policy whose costs are to be displayed.	integer
start_date *optional*	Start date for the cost estimation time frame.	string
user *optional*	User ID of the user whose policies costs are to be displayed.	integer

29.1.4. Produces

- application/json

29.2. Test cost explorer for storage of backup target snapshots for last week

```
GET /api/azure/cost_explorer/backup_costs/test_root_cost_explorer/
```

29.2.1. Description

This endpoint Test cost explorer for storage of backup target snapshots for last week.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Available only for root user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

29.2.2. Responses

HTTP Code	Description	Schema
200	OK	response_azure_cost_explorer_backup_costs_test_root_cost_explorer
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_cost_explorer_backup_costs_test_root_cost_explorer

Name	Description	Schema
blended_costs *optional*	Blended costs (USD) for storage of Azure snapshots.	number
cloud *optional*		string
end_date *optional*	End date for the cost estimation time frame.	string
policy *optional*	Policy ID of the policy whose costs are to be displayed.	integer
start_date *optional*	Start date for the cost estimation time frame.	string

Name	Description	Schema
user *optional*	User ID of the user whose policies costs are to be displayed.	integer

29.2.3. Produces

- `application/json`

29.3. Retrieve policy's blended costs for storage of backup target snapshots in the given time frame

```
GET /api/azure/cost_explorer/backup_costs/{id}/
```

29.3.1. Description

This endpoint retrieves the costs for storage of Azure snapshots that were created for the specified policy in the given time frame.

Permissions and Restrictions:
* Authenticated user which is permitted to use this API can see the costs of his own policies.
* Root and independent users can also see the costs for policies of the managed users.
* Delegates can see the costs for policies of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

29.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

29.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_cost_explorer_backup_costs_read > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_cost_explorer_backup_costs_read

Name	Description	Schema
blended_costs *optional*	Blended costs (USD) for storage of Azure snapshots.	number

Name	Description	Schema
cloud *optional*		string
end_date *optional*	End date for the cost estimation time frame.	string
policy *optional*	Policy ID of the policy whose costs are to be displayed.	integer
start_date *optional*	Start date for the cost estimation time frame.	string
user *optional*	User ID of the user whose policies costs are to be displayed.	integer

29.3.4. Produces

- `application/json`

Chapter 30. Azure Explore Sessions

30.1. Create an explore session

```
POST /api/azure/explore_sessions/
```

30.1.1. Description

This endpoint creates a new explore session.

Permissions and Restrictions:
* Any authenticated user can create a new explore session for himself.
* Root user can also create a new explore session for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can create a new explore session for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.1.2. Parameters

Type	Name	Schema
Body	**data_azure_explore_sessions_create** *required*	data_azure_explore_sessions_create

data_azure_explore_sessions_create

Name	Description	Schema
backup_record *required*	ID of Backup record associated with the explore session.	integer
disk_azure_ids *optional*	ID of the resource in Azure.	< string > array
from_account *optional*	Recovery associated account.	integer
location *optional*	Azure location.	string
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer
vm_azure_id *optional*	ID of the resource in Azure.	string

30.1.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_explore_sessions_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_azure_explore_sessions_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
backup_record *optional*	ID of Backup record associated with the explore session.	integer
cloud *optional*	Cloud name.	string
disk_azure_ids *optional*	ID of the resource in Azure.	< string > array
explore_type *optional*	**Allowed Enum Values** * V (Virtual Machine) * D (Independent Disks)	enum (V, D)
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer
policy *optional*	ID of the policy this resource is associated with.	integer
session_path *optional*		string
start_time *optional*		string

Name	Description	Schema
status *optional*	Explore session's status. **Allowed Enum Values** * U (Undefined) * S (Session ended successfully) * P (Session expiration is in progress) * F (Session failure) * N (Open session is running)	enum (U, S, P, F, N)
vm_azure_id *optional*	ID of the resource in Azure.	string

30.1.4. Consumes

- `application/json`

30.1.5. Produces

- `application/json`

30.2. List explore sessions

```
GET /api/azure/explore_sessions/
```

30.2.1. Description

This endpoint returns a list of explore sessions.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own explore sessions.
* Root user can also get the explore sessions of the managed users.
* Delegates can get the explore sessions of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**backup_record** *optional*	ID of Backup record associated with the explore session.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * start_time	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	ID of the policy this resource is associated with.	string
Query	**search_by_disk** *optional*	Return sessions of backups which targeted a disk with an Azure ID which includes the given search term.	string
Query	**search_by_virtual_machine** *optional*	Return sessions of backups which targeted a virtual machine with an Azure ID which includes the given search term.	string

Type	Name	Description	Schema
Query	**status** *optional*	Explore session's status.	string

30.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_explore_sessions_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_explore_sessions_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
backup_record *optional*	ID of Backup record associated with the explore session.	integer
cloud *optional*	Cloud name.	string
disk_azure_ids *optional*	ID of the resource in Azure.	< string > array
explore_type *optional*	**Allowed Enum Values** * V (Virtual Machine) * D (Independent Disks)	enum (V, D)
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer
policy *optional*	ID of the policy this resource is associated with.	integer
session_path *optional*		string
start_time *optional*		string

Name	Description	Schema
status *optional*	Explore session's status. **Allowed Enum Values** * U (Undefined) * S (Session ended successfully) * P (Session expiration is in progress) * F (Session failure) * N (Open session is running)	enum (U, S, P, F, N)
vm_azure_id *optional*	ID of the resource in Azure.	string

30.2.4. Produces

- `application/json`

30.3. Expire all running explore sessions

```
DELETE /api/azure/explore_sessions/
```

30.3.1. Description

This endpoint expires all running explore sessions.

Permissions and Restrictions:
* Any authenticated user can delete his own explore sessions.
* Root user can also delete explore sessions for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can delete explore sessions for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.3.2. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

30.4. Retrieve the maximum available generations for explore session

```
POST /api/azure/explore_sessions/max_generations/
```

30.4.1. Description

This endpoint retrieves the maximum number of generations available for explore session.

Permissions and Restrictions:
* Any authenticated user can retrieve the maximum number of generations his own explore session.
* Root user can also retrieve the maximum number of generations for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can retrieve the maximum number of generations for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.4.2. Parameters

Type	Name	Schema
Body	**data_azure_explore_sessions_max_generations** *required*	data_azure_explore_sessions_max_generations

data_azure_explore_sessions_max_generations

Name	Description	Schema
backup_record *required*	ID of Backup record associated with the explore session.	integer
disk_azure_ids *optional*	ID of the resource in Azure.	< string > array
from_account *optional*	Recovery associated account.	integer
location *optional*	Azure location.	string
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer

Name	Description	Schema
vm_azure_id *optional*	ID of the resource in Azure.	string

30.4.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_explore_sessions_max_generations
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_explore_sessions_max_generations

Name	Description	Schema
max_generations *optional*	Explore session maximum number of generations available	integer

30.4.4. Consumes

- `application/json`

30.4.5. Produces

- `application/json`

30.5. Prepare list of files and folders to be downloaded

```
POST /api/azure/explore_sessions/{explore_session_id}/download/
```

30.5.1. Description

This endpoint prepares a list of files and folders to be archived and download as a zip file.

Permissions and Restrictions:
* Any authenticated user with explore permissions to download his mounted files.



The actual download is performed using `GET` request and this API is prerequisite.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.5.2. Parameters

Type	Name	Schema
Path	**explore_session_id** *required*	string
Body	**data_azure_explore_sessions_download_create** *required*	data_azure_explore_sessions_download_create

data_azure_explore_sessions_download_create

Name	Description	Schema
paths *required*	List of paths to archive together and download.	< string > array

30.5.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

30.5.4. Consumes

- `application/json`

30.6. Archive and download list of files and folders as a zip file

```
GET /api/azure/explore_sessions/{explore_session_id}/download/
```

30.6.1. Description

This endpoint archives and downloads a list of files and folders as a zip file.

Permissions and Restrictions:
* Any authenticated user with explore permissions to download his mounted files.



This download only works after preapeing the list of files and folders to be downloaded using `POST` request.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.6.2. Parameters

Type	Name	Description	Schema
Path	**explore_session_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

30.6.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

30.6.4. Produces

- `application/zip`

30.7. List file system entries via POST request

```
POST /api/azure/explore_sessions/{explore_session_id}/file_system_entries/
```

30.7.1. Description

This endpoint returns file system entries.

Permissions and Restrictions:
* Any authenticated user can get his own file system entries.
* Root user can also get the file system entries of the managed users.
* Delegates with `allow_file_level_restore` can get the file system entries of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.7.2. Parameters

Type	Name	Schema
Path	**explore_session_id** *required*	string
Body	**data_azure_explore_sessions_file_system_entries_create** *required*	data_azure_explore_sessions_file_system_entries_create

data_azure_explore_sessions_file_system_entries_create

Name	Description	Schema
depth *optional*	Depth to explore sub directories.	string
do_async *optional*	If set the listing will be done async.	boolean
path *optional*	Target path explore. Empty path will use root as path.	string
search *optional*	Search string to narrow results.	string

30.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_explore_sessions_file_system_entries_create
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_explore_sessions_file_system_entries_create

Name	Description	Schema
children *optional*	List of all sub directories and files under the requested target.	< response_azure_explore_sessions_file_system_entries_create_children > array
depth *optional*	Depth to explore sub directories.	integer
modified_time *optional*	Modification time of the file system entry.	string
name *optional*	Name of the file system entry.	string
parent *optional*	Path of parent directory.	string
path *optional*	Target path explore. Empty path will use root as path.	string
size *optional*	Size of the file system entry.	integer
type *optional*	**Allowed Enum Values** * F (File) * D (Directory)	enum (F, D)
url_friendly_path *optional*	Path explored by the API call, with special escape characters handled.	string

response_azure_explore_sessions_file_system_entries_create_children

Name	Description	Schema
depth *optional*	Depth to explore sub directories.	integer
modified_time *optional*	Modification time of the file system entry.	string
name *optional*	Name of the file system entry.	string

Name	Description	Schema
parent *optional*	Path of parent directory.	string
path *optional*	Target path explore. Empty path will use root as path.	string
size *optional*	Size of the file system entry.	integer
type *optional*	**Allowed Enum Values** * F (File) * D (Directory)	enum (F, D)
url_friendly_path *optional*	Path explored by the API call, with special escape characters handled.	string

30.7.4. Consumes

- `application/json`

30.7.5. Produces

- `application/json`

30.8. List file system entries via GET request

```
GET /api/azure/explore_sessions/{explore_session_id}/file_system_entries/
```

30.8.1. Description

This endpoint returns file system entries.

Permissions and Restrictions:
* Any authenticated user can get his own file system entries.
* Root user can also get the file system entries of the managed users.
* Delegates with `allow_file_level_restore` can get the file system entries of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.8.2. Parameters

Type	Name	Description	Schema
Path	**explore_session_id** *required*		string
Query	**depth** *optional*	Depth to explore sub directories.	string
Query	**do_async** *optional*	If set the listing will be done async.	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**path** *optional*	Target path explore. Empty path will use root as path.	string
Query	**search** *optional*	Search string to narrow results.	string

30.8.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_explore_sessions_file_system_entries_list > array

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_explore_sessions_file_system_entries_list

Name	Description	Schema
children *optional*	List of all sub directories and files under the requested target.	< response_azure_explore_sessions_file_system_entries_list_children > array
depth *optional*	Depth to explore sub directories.	integer
modified_time *optional*	Modification time of the file system entry.	string
name *optional*	Name of the file system entry.	string
parent *optional*	Path of parent directory.	string
path *optional*	Target path explore. Empty path will use root as path.	string
size *optional*	Size of the file system entry.	integer
type *optional*	**Allowed Enum Values** * F (File) * D (Directory)	enum (F, D)
url_friendly_path *optional*	Path explored by the API call, with special escape characters handled.	string

response_azure_explore_sessions_file_system_entries_list_children

Name	Description	Schema
depth *optional*	Depth to explore sub directories.	integer
modified_time *optional*	Modification time of the file system entry.	string
name *optional*	Name of the file system entry.	string

Name	Description	Schema
parent *optional*	Path of parent directory.	string
path *optional*	Target path explore. Empty path will use root as path.	string
size *optional*	Size of the file system entry.	integer
type *optional*	**Allowed Enum Values** * F (File) * D (Directory)	enum (F, D)
url_friendly_path *optional*	Path explored by the API call, with special escape characters handled.	string

30.8.4. Produces

- `application/json`

30.9. Reset the backup explore session timeout countdown

```
POST /api/azure/explore_sessions/{explore_session_id}/keep_alive/
```

30.9.1. Description

This endpoint resets the backup explore session timeout countdown.

Permissions and Restrictions:
* Any authenticated user can reset his own explore session timeout.
* Root user can also reset explore session's timeout for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can reset explore session's timeout for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.9.2. Parameters

Type	Name	Schema
Path	**explore_session_id** *required*	string

30.9.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

30.10. Retrieve an explore session

```
GET /api/azure/explore_sessions/{id}/
```

30.10.1. Description

This endpoint returns the explore session for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own explore sessions.
* Root user can also get the explore sessions of the managed users.
* Delegates can get the explore sessions of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.10.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

30.10.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_explore_sessions_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_explore_sessions_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
backup_record *optional*	ID of Backup record associated with the explore session.	integer
cloud *optional*	Cloud name.	string

Name	Description	Schema
disk_azure_ids *optional*	ID of the resource in Azure.	< string > array
explore_type *optional*	**Allowed Enum Values** * V (Virtual Machine) * D (Independent Disks)	enum (V, D)
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
num_generations *optional*	If provided, the previous generations of backup record snapshots up to the provided `backup_record` will be associated with the explore session as well.	integer
policy *optional*	ID of the policy this resource is associated with.	integer
session_path *optional*		string
start_time *optional*		string
status *optional*	Explore session's status. **Allowed Enum Values** * U (Undefined) * S (Session ended successfully) * P (Session expiration is in progress) * F (Session failure) * N (Open session is running)	enum (U, S, P, F, N)
vm_azure_id *optional*	ID of the resource in Azure.	string

30.10.4. Produces

- `application/json`

30.11. Expire an explore session

```
DELETE /api/azure/explore_sessions/{id}/
```

30.11.1. Description

This endpoint expires the explore session for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own explore sessions.
* Root user can also delete explore sessions for the managed users.
* Authenticated delegate user with `allow_file_level_restore` can delete explore sessions for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

30.11.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

30.11.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 31. Azure Policies

31.1. Create an Azure Policy

```
POST /api/azure/policies/
```

31.1.1. Description

This endpoint creates a new Azure Policy.

Permissions and Restrictions:
* Any authenticated user can create a new policy for himself.
* Root user can also create a new policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new policy for his original user.
* Only root user is allowed to create 'cpmdata' policy.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.1.2. Parameters

Type	Name	Schema
Body	**data_azure_policies_create** *required*	data_azure_policies_create

data_azure_policies_create

Name	Description	Schema
account *required*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer

Name	Description	Schema
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
subscription_id *required*		string

31.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_policies_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_create

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

31.1.4. Consumes

- `application/json`

31.1.5. Produces

- `application/json`

31.2. List Azure Policies

```
GET /api/azure/policies/
```

31.2.1. Description

This endpoint returns a list of Azure Policies.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own policies.
* Root user can also get the policies of the managed users.
* Delegates can get the policies of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Account the policy is associated with.	string
Query	**enabled** *optional*	If set, the policy will be enabled.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * enabled * generations * name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**schedules** *optional*	Schedule IDs associated with this policy for when to backup.	string

Type	Name	Description	Schema
Query	**search** *optional*	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule * Associated subscription id	string
Query	**user** *optional*	ID of the owner user.	string

31.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_policies_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_list

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

31.2.4. Produces

- `application/json`

31.3. Retrieve an Azure Policy

```
GET /api/azure/policies/{id}/
```

31.3.1. Description

This endpoint returns the Azure Policy for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own policies.
* Root user can also get the policies of the managed users.
* Delegates can get the policies of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

31.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_read

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer

Name	Description	Schema
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

31.3.4. Produces

- `application/json`

31.4. Update an Azure Policy

```
PUT /api/azure/policies/{id}/
```

31.4.1. Description

This endpoint updates the Azure Policy for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own policies.
* Root user can also update policies for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update policies for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_policies_update** *required*	data_azure_policies_update

data_azure_policies_update

Name	Description	Schema
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
description *optional*	Description for the resource.	string
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer

Name	Description	Schema
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array

31.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_update

Name	Description	Schema
account *optional*	Account the policy is associated with.	integer
auto_remove_resource *optional*	If set, automatically removes resources that no longer exist. **Allowed Enum Values** * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
cloud *optional*		string
created_by_tag *optional*	Was this policy created by tag.	boolean
description *optional*	Description for the resource.	string
enabled *optional*	If set, the policy will be enabled.	boolean
generations *optional*	Number of generations of backup data to keep.	integer
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
last_modified *optional*	Modification time of the resource.	string
last_recovery_time *optional*	Last time a backup of the current policy was recovered.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
schedules *optional*	Schedule IDs associated with this policy for when to backup.	< integer > array
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

31.4.4. Consumes

- `application/json`

31.4.5. Produces

- `application/json`

31.5. Delete an Azure Policy

```
DELETE /api/azure/policies/{id}/
```

31.5.1. Description

This endpoint deletes the Azure Policy for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own policies.
* Root user can also delete policies for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete policies for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

31.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

31.6. Create a N2WS policy backup ASAP

```
POST /api/azure/policies/{id}/backups/
```

31.6.1. Description

This endpoint creates a new N2WS policy backup.

Permissions and Restrictions:
* Any authenticated user can create a new policy backup for himself.
* Root user can also create a new policy backup for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new policy backup for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.6.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

31.6.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_policies_create_backups
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
412	Precondition Failed	No Content

response_azure_policies_create_backups

Name	Description	Schema
tracker_id *optional*	Tracker ID of backup record progress.	integer

31.6.4. Produces

- application/json

31.7. Show 'Copy to Storage Account repository' options of a N2WS policy

```
GET /api/azure/policies/{id}/copy_to_storage_account/
```

31.7.1. Description

This endpoint returns the 'Copy to Storage Account repository' options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own options.
* Root user can also get the options of the managed users.
* Delegates can get the options of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

31.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_copy_to_storage_account_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_copy_to_storage_account_read

Name	Description	Schema
enabled *optional*	If set, the S3 Copy will be enabled.	boolean

Name	Description	Schema
storage_account_repository *optional*		integer

31.7.4. Produces

- `application/json`

31.8. Update 'Copy to Storage Account repository' options of a N2WS policy

```
PUT /api/azure/policies/{id}/copy_to_storage_account/
```

31.8.1. Description

This endpoint updates the 'Copy to Storage Account repository' options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own options.
* Root user can also update the options of the managed users.
* Authenticated delegate user with `allow_backup_changes` can update the options of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_policies_copy_to_storage_account_update** *required*	data_azure_policies_copy_to_storage_account_update

data_azure_policies_copy_to_storage_account_update

Name	Description	Schema
enabled *required*	If set, the S3 Copy will be enabled.	boolean
partial *optional*		boolean
storage_account_repository *optional*		integer

31.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_copy_to_storage_account_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_copy_to_storage_account_update

Name	Description	Schema
enabled *optional*	If set, the S3 Copy will be enabled.	boolean
storage_account_repository *optional*		integer

31.8.4. Consumes

- `application/json`

31.8.5. Produces

- `application/json`

31.9. Retrieve DR options of a N2WS policy

```
GET /api/azure/policies/{id}/dr/
```

31.9.1. Description

This endpoint returns the DR options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own policy DR options.
* Root user can also get the policy DR options of the managed users.
* Delegates can get the policy DR options of their original user.
* Cross-account fields are available only if your N2WS is licensed for cross-account functionality.
* DR on Redshift clusters can only be enabled by configuring cross-region snapshots using the AWS Console.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

31.9.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

31.9.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_dr_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_dr_read

Name	Schema
dr_enabled *optional*	boolean
dr_frequency *optional*	integer

Name	Schema
dr_locations *optional*	string
dr_timeout_hours *optional*	integer

31.9.4. Produces

- `application/json`

31.10. Update DR options of a N2WS policy

```
PUT /api/azure/policies/{id}/dr/
```

31.10.1. Description

This endpoint updates the DR options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own policy DR options.
* Root user can also update the policy DR options of the managed users.
* Delegates can update the policy DR options of their original user.
* Cross-account fields are available only if your N2WS is licensed for cross-account functionality.
* DR on Redshift clusters can only be enabled by configuring cross-region snapshots using the AWS Console.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

31.10.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_policies_dr_update** *required*	data_azure_policies_dr_update

data_azure_policies_dr_update

Name	Schema
dr_enabled *optional*	boolean
dr_frequency *optional*	integer
dr_locations *optional*	string
dr_timeout_hours *optional*	integer

31.10.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_dr_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_dr_update

Name	Schema
dr_enabled *optional*	boolean
dr_frequency *optional*	integer
dr_locations *optional*	string
dr_timeout_hours *optional*	integer

31.10.4. Consumes

- `application/json`

31.10.5. Produces

- `application/json`

31.11. Retrieve options of a N2WS policy

```
GET /api/azure/policies/{id}/options/
```

31.11.1. Description

This endpoint returns the options of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Policy options will show only if the policy name is NOT `cpmdata`.
* Any authenticated user can get his own policy options.
* Root user can also get the policy options of the managed users.
* Delegates can get the policy options of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.11.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

31.11.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_options_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_options_read

Name	Description	Schema
backup_timeout_hours *optional*		integer

Name	Description	Schema
considered_successful *optional*	**Allowed Enum Values** * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
immutable_backups_enabled *optional*		boolean
minutes_between_retries *optional*		integer
num_failures_for_alert *optional*		integer
number_of_retries *optional*		integer

31.11.4. Produces

- `application/json`

31.12. Update options of a N2WS policy

```
PUT /api/azure/policies/{id}/options/
```

31.12.1. Description

This endpoint updates the options of N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Policy options will be updated only if policy name is NOT `cpmdata`.
* Any authenticated user can update his own policy options.
* Root user can also update the policy options of the managed users.
* Delegates can update the policy options of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.12.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_policies_options_update** *required*	data_azure_policies_options_update

data_azure_policies_options_update

Name	Description	Schema
backup_timeout_hours *optional*		integer
considered_successful *optional*	**Allowed Enum Values** * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
immutable_backups_enabled *optional*		boolean
minutes_between_retries *optional*		integer
num_failures_for_alert *optional*		integer

Name	Description	Schema
number_of_retries *optional*		integer
partial *optional*		boolean

31.12.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_options_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_options_update

Name	Description	Schema
backup_timeout_hours *optional*		integer
considered_successful *optional*	**Allowed Enum Values** * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
immutable_backups_enabled *optional*		boolean
minutes_between_retries *optional*		integer
num_failures_for_alert *optional*		integer
number_of_retries *optional*		integer

31.12.4. Consumes

- `application/json`

31.12.5. Produces

- `application/json`

31.13. Delete all snapshots of a N2WS policy

```
DELETE /api/azure/policies/{id}/snapshots/
```

31.13.1. Description

This endpoint deletes all snapshots of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own snapshots.
* Root user can also delete snapshots for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete snapshots for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

31.13.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

31.13.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content
500	Internal Server Error	No Content

31.14. List a policy's future scheduled run times

```
GET /api/azure/policies/{policy_id}/run_times/
```

31.14.1. Description

This endpoint returns a list of the future scheduled run times for a policy.

Before you can list policy scheduled run times you need:
* An enabled policy with at least one valid target attached.
* At least one schedule set to the policy.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

31.14.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**days_ahead** *required*	Days ahead to calculate scheduled run times for.	number

31.14.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_policies_run_times_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_run_times_list

Name	Description	Schema
schedule_name *optional*	Name of schedule the backup is running.	string
schedule_time *optional*	Date and time for a future backup for the timezone defined in `schedule_timezone`.	string
schedule_timezone *optional*	Timezone the schedule was configured with.	string

Name	Description	Schema
system_time *optional*	Date and time for a future backup for the timezone defined in `system_timezone`.	string
system_timezone *optional*	Timezone the system was configured with.	string
time *optional*	Date and time for a future backup in UTC.	string

31.14.4. Produces

- `application/json`

31.15. List all the targets associated with a policy

```
GET /api/azure/policies/{policy_id}/targets/
```

31.15.1. Description

This endpoint returns a list of all targets associated with the policy.

Optional `filters` and `pagination` parameters are listed below.
whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own targets.
* Root user can also get the policy targets of the managed users.
* Delegates can get the policy targets of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

31.15.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

31.15.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_policies_targets_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_list

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
resource_group *optional*	Name of the Azure resource group.	string
size *optional*	Size of the resource (in GiB).	integer
sku *optional*	The type of the disk.	string
status *optional*	Current status of the resource.	string
subscription_id *optional*		string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.15.4. Produces

- `application/json`

31.16. Add a disk to a N2WS Azure policy

```
POST /api/azure/policies/{policy_id}/targets/disks/
```

31.16.1. Description

This endpoint adds an disk to a N2WS Azure policy.

Permissions and Restrictions:
* Any authenticated user can add a disk to a N2WS Azure policy.
* Root user can also add a disk to a N2WS Azure policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a disk to a N2WS Azure policy for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.16.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_azure_policies_targets_disks_create** *required*	data_azure_policies_targets_disks_create

data_azure_policies_targets_disks_create

Name	Description	Schema
azure_id *required*	ID of the resource in Azure.	string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.16.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_policies_targets_disks_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_disks_create

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
resource_group *optional*	Name of the Azure resource group.	string
size *optional*	Size of the resource (in GiB).	integer
sku *optional*	The type of the disk.	string
status *optional*	Current status of the resource.	string
subscription_id *optional*		string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.16.4. Consumes

- `application/json`

31.16.5. Produces

- `application/json`

31.17. List the protected disks of a N2WS Azure policy

```
GET /api/azure/policies/{policy_id}/targets/disks/
```

31.17.1. Description

This endpoint returns the protected disks of the N2WS Azure policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected disks.
* Root user can also get the protected disks of the managed users.
* Delegates can get the protected disks of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.17.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

31.17.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_policies_targets_disks_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_disks_list

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
resource_group *optional*	Name of the Azure resource group.	string
size *optional*	Size of the resource (in GiB).	integer
sku *optional*	The type of the disk.	string
status *optional*	Current status of the resource.	string
subscription_id *optional*		string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.17.4. Produces

- `application/json`

31.18. Retrieve a protected disk of a N2WS Azure policy

```
GET /api/azure/policies/{policy_id}/targets/disks/{id}/
```

31.18.1. Description

This endpoint returns a protected disk of the N2WS Azure policy whose ID is passed in the URL path.
* Any authenticated user can get his own disks virtual machines.
* Root user can also get the protected disks of the managed users.
* Delegates can get the protected disks of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.18.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

31.18.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_targets_disks_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_targets_disks_read

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
iops *optional*	Number of IOPS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
resource_group *optional*	Name of the Azure resource group.	string
size *optional*	Size of the resource (in GiB).	integer
sku *optional*	The type of the disk.	string
status *optional*	Current status of the resource.	string
subscription_id *optional*		string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.18.4. Produces

- `application/json`

31.19. Delete a disk from a N2WS Azure policy

```
DELETE /api/azure/policies/{policy_id}/targets/disks/{id}/
```

31.19.1. Description

This endpoint deletes an disk from the N2WS Azure policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own disks.
* Root user can also delete disks for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete disks for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.19.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

31.19.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

31.20. Add a SQL server to a N2WS policy

```
POST /api/azure/policies/{policy_id}/targets/sql_servers/
```

31.20.1. Description

This endpoint adds a SQL server to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add an instance to a N2WS policy.
* Root user can also add an instance to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add an instance to a N2WS policy for his original user.
* Number of instances allowed to be added is limited by the license.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.20.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_azure_policies_targets_sql_servers_create** *required*	data_azure_policies_targets_sql_servers_create

data_azure_policies_targets_sql_servers_create

Name	Description	Schema
azure_id *required*		string
private_dns_zone *optional*		string
which_databases *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)
worker_http_proxy_address *optional*		string

Name	Description	Schema
worker_http_proxy_password *optional*		string
worker_http_proxy_port *optional*		integer
worker_http_proxy_user_name *optional*		string
worker_requires_http_proxy *optional*		boolean
worker_security_group *optional*		string
worker_ssh_key *optional*		string
worker_subnet *required*		string
worker_virtual_network *required*		string

31.20.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_policies_targets_sql_servers_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_sql_servers_create

Name	Description	Schema
allow_public_network_access *optional*		boolean
azure_id *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
name *optional*	Name of the resource.	string

Name	Description	Schema
private_dns_zone *optional*		string
resource_group *optional*		string
status *optional*		string
subscription_id *optional*		string
which_databases *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)
worker_http_proxy_address *optional*		string
worker_http_proxy_port *optional*		integer
worker_http_proxy_user_name *optional*		string
worker_requires_http_proxy *optional*		boolean
worker_security_group *optional*		string
worker_ssh_key *optional*		string
worker_subnet *optional*		string
worker_virtual_network *optional*		string

31.20.4. Consumes

- `application/json`

31.20.5. Produces

- `application/json`

31.21. List the protected SQL servers of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/sql_servers/
```

31.21.1. Description

This endpoint returns the protected SQL servers of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected instances.
* Root user can also get the protected instances of the managed users.
* Delegates can get the protected instances of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.21.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

31.21.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_policies_targets_sql_servers_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_sql_servers_list

Name	Description	Schema
allow_public_network_access *optional*		boolean

Name	Description	Schema
azure_id *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
name *optional*	Name of the resource.	string
private_dns_zone *optional*		string
resource_group *optional*		string
status *optional*		string
subscription_id *optional*		string
which_databases *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)
worker_http_proxy_address *optional*		string
worker_http_proxy_port *optional*		integer
worker_http_proxy_user_name *optional*		string
worker_requires_http_proxy *optional*		boolean
worker_security_group *optional*		string
worker_ssh_key *optional*		string
worker_subnet *optional*		string
worker_virtual_network *optional*		string

31.21.4. Produces

- `application/json`

31.22. Retrieve a protected SQL server of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/sql_servers/{id}/
```

31.22.1. Description

This endpoint returns a protected SQL server of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own protected instances.
* Root user can also get the protected instances of the managed users.
* Delegates can get the protected instances of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.22.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

31.22.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_targets_sql_servers_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_targets_sql_servers_read

Name	Description	Schema
allow_public_network_access *optional*		boolean
azure_id *optional*		string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
name *optional*	Name of the resource.	string
private_dns_zone *optional*		string
resource_group *optional*		string
status *optional*		string
subscription_id *optional*		string
which_databases *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)
worker_http_proxy_address *optional*		string
worker_http_proxy_port *optional*		integer
worker_http_proxy_user_name *optional*		string
worker_requires_http_proxy *optional*		boolean
worker_security_group *optional*		string
worker_ssh_key *optional*		string
worker_subnet *optional*		string
worker_virtual_network *optional*		string

31.22.4. Produces

- `application/json`

31.23. Update a SQL server of a N2WS policy

```
PUT /api/azure/policies/{policy_id}/targets/sql_servers/{id}/
```

31.23.1. Description

This endpoint updates a SQL server of a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can update an instance of a N2WS policy.
* Root user can also update an instance of a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update an instance of a N2WS policy for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.23.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Body	**data_azure_policies_targets_sql_servers_update** *required*	data_azure_policies_targets_sql_servers_update

data_azure_policies_targets_sql_servers_update

Name	Description	Schema
private_dns_zone *optional*		string
which_databases *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)
worker_http_proxy_address *optional*		string
worker_http_proxy_password *optional*		string

Name	Description	Schema
worker_http_proxy_port *optional*		integer
worker_http_proxy_user_name *optional*		string
worker_requires_http_proxy *optional*		boolean
worker_security_group *optional*		string
worker_ssh_key *optional*		string
worker_subnet *required*		string
worker_virtual_network *required*		string

31.23.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_targets_sql_servers_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_targets_sql_servers_update

Name	Description	Schema
allow_public_network_access *optional*		boolean
azure_id *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
name *optional*	Name of the resource.	string

Name	Description	Schema
private_dns_zone *optional*		string
resource_group *optional*		string
status *optional*		string
subscription_id *optional*		string
which_databases *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)
worker_http_proxy_address *optional*		string
worker_http_proxy_port *optional*		integer
worker_http_proxy_user_name *optional*		string
worker_requires_http_proxy *optional*		boolean
worker_security_group *optional*		string
worker_ssh_key *optional*		string
worker_subnet *optional*		string
worker_virtual_network *optional*		string

31.23.4. Consumes

- `application/json`

31.23.5. Produces

- `application/json`

31.24. Delete a SQL server from a N2WS policy

```
DELETE /api/azure/policies/{policy_id}/targets/sql_servers/{id}/
```

31.24.1. Description

This endpoint deletes a SQL server from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own instances.
* Root user can also delete instances for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete instances for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.24.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

31.24.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

31.25. Add a database selected for a SQL server backup target to a N2WS policy

```
POST /api/azure/policies/{policy_id}/targets/sql_servers/{sql_server_id}/databases/
```

31.25.1. Description

This endpoint adds a database selected for a SQL server backup target to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a volume to a N2WS policy.
* Root user can also add a volume to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a volume to a N2WS policy for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.25.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Path	**sql_server_id** *required*	string
Body	**data_azure_policies_targets_sql_servers_databases_create** *required*	data_azure_policies_targets_sql_servers_databases_create

data_azure_policies_targets_sql_servers_databases_create

Name	Schema
azure_id *required*	string

31.25.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_policies_targets_sql_servers_databases_create

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_sql_servers_databases_create

Name	Description	Schema
azure_id *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
name *optional*	Name of the resource.	string
resource_group *optional*		string
server_azure_id *optional*		string
server_name *optional*		string
status *optional*		string
subscription_id *optional*		string

31.25.4. Consumes

- `application/json`

31.25.5. Produces

- `application/json`

31.26. List the databases selected for a SQL server backup target of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/sql_servers/{sql_server_id}/databases/
```

31.26.1. Description

This endpoint returns the databases selected for a SQL server backup target of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected volumes.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.26.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Path	**sql_server_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

31.26.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_policies_targets_sql_servers_databases_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_sql_servers_databases_list

Name	Description	Schema
azure_id *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
name *optional*	Name of the resource.	string
resource_group *optional*		string
server_azure_id *optional*		string
server_name *optional*		string
status *optional*		string
subscription_id *optional*		string

31.26.4. Produces

- `application/json`

31.27. Retrieve a database selected for a SQL server backup target of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/sql_servers/{sql_server_id}/databases/{id}/
```

31.27.1. Description

This endpoint returns a database selected for a SQL server backup target of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own volumes instances.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.27.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Path	**sql_server_id** *required*	string

31.27.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_targets_sql_servers_databases_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_targets_sql_servers_databases_read

Name	Description	Schema
azure_id *optional*		string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
name *optional*	Name of the resource.	string
resource_group *optional*		string
server_azure_id *optional*		string
server_name *optional*		string
status *optional*		string
subscription_id *optional*		string

31.27.4. Produces

- `application/json`

31.28. Delete a database selected for a SQL server backup target from a N2WS policy

```
DELETE /api/azure/policies/{policy_id}/targets/sql_servers/{sql_server_id}/databases/{id}/
```

31.28.1. Description

This endpoint deletes a database selected for a SQL server backup target from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own volumes.
* Root user can also delete volumes for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete volumes for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

31.28.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Path	**sql_server_id** *required*	string

31.28.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

31.29. Add a virtual machine to a N2WS policy

```
POST /api/azure/policies/{policy_id}/targets/virtual_machines/
```

31.29.1. Description

This endpoint adds a virtual machine to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add an instance to a N2WS policy.
* Root user can also add an instance to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add an instance to a N2WS policy for his original user.
* Number of instances allowed to be added is limited by the license.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.29.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Body	**data_azure_policies_targets_virtual_machines_create** *required*	data_azure_policies_targets_virtual_machines_create

data_azure_policies_targets_virtual_machines_create

Name	Description	Schema
azure_id *required*	ID of the resource in Azure.	string
tagged *optional*		boolean
which_disks *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

31.29.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_policies_targets_virtual_machines_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_virtual_machines_create

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
os_type *optional*	Virtual machine OS type.	string
resource_group *optional*	Name of the Azure resource group.	string
subscription_id *optional*		string
tagged *optional*		boolean
vm_size *optional*		string
which_disks *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

31.29.4. Consumes

- `application/json`

31.29.5. Produces

- `application/json`

31.30. List the protected virtual machines of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/virtual_machines/
```

31.30.1. Description

This endpoint returns the protected virtual machines of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected instances.
* Root user can also get the protected instances of the managed users.
* Delegates can get the protected instances of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.30.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

31.30.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_policies_targets_virtual_machines_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_virtual_machines_list

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
os_type *optional*	Virtual machine OS type.	string
resource_group *optional*	Name of the Azure resource group.	string
subscription_id *optional*		string
tagged *optional*		boolean
vm_size *optional*		string
which_disks *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

31.30.4. Produces

- `application/json`

31.31. Retrieve a protected virtual machine of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/virtual_machines/{id}/
```

31.31.1. Description

This endpoint returns a protected virtual machine of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own protected instances.
* Root user can also get the protected instances of the managed users.
* Delegates can get the protected instances of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.31.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

31.31.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_targets_virtual_machines_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_targets_virtual_machines_read

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
os_type *optional*	Virtual machine OS type.	string
resource_group *optional*	Name of the Azure resource group.	string
subscription_id *optional*		string
tagged *optional*		boolean
vm_size *optional*		string
which_disks *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

31.31.4. Produces

- `application/json`

31.32. Update a virtual machine of a N2WS policy

```
PUT /api/azure/policies/{policy_id}/targets/virtual_machines/{id}/
```

31.32.1. Description

This endpoint updates a virtual machine of a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can update an instance of a N2WS policy.
* Root user can also update an instance of a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update an instance of a N2WS policy for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.32.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Body	**data_azure_policies_targets_virtual_machines_update** *required*	data_azure_policies_targets_virtual_machines_update

data_azure_policies_targets_virtual_machines_update

Name	Description	Schema
tagged *optional*		boolean
which_disks *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

31.32.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_targets_virtual_machines_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_targets_virtual_machines_update

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
os_type *optional*	Virtual machine OS type.	string
resource_group *optional*	Name of the Azure resource group.	string
subscription_id *optional*		string
tagged *optional*		boolean
vm_size *optional*		string
which_disks *optional*	**Allowed Enum Values** * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

31.32.4. Consumes

- `application/json`

31.32.5. Produces

- `application/json`

31.33. Delete a virtual machine from a N2WS policy

```
DELETE /api/azure/policies/{policy_id}/targets/virtual_machines/{id}/
```

31.33.1. Description

This endpoint deletes a virtual machine from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own instances.
* Root user can also delete instances for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete instances for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.33.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string

31.33.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

31.34. Add a disk selected for a virtual machine backup target to a N2WS policy

```
POST /api/azure/policies/{policy_id}/targets/virtual_machines/{virtual_machine_id}/disks/
```

31.34.1. Description

This endpoint adds a disk selected for a virtual machine backup target to a N2WS policy.

Permissions and Restrictions:
* Any authenticated user can add a volume to a N2WS policy.
* Root user can also add a volume to a N2WS policy for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a volume to a N2WS policy for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.34.2. Parameters

Type	Name	Schema
Path	**policy_id** *required*	string
Path	**virtual_machine_id** *required*	string
Body	**data_azure_policies_targets_virtual_machines_disks_create** *required*	data_azure_policies_targets_virtual_machines_disks_create

data_azure_policies_targets_virtual_machines_disks_create

Name	Description	Schema
azure_id *required*	ID of the resource in Azure.	string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.34.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_policies_targets_virtual_machines_disks_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_virtual_machines_disks_create

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
resource_group *optional*	Name of the Azure resource group.	string
size *optional*	Size of the resource (in GiB).	integer
sku *optional*	The type of the disk.	string
status *optional*	Current status of the resource.	string
subscription_id *optional*		string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.34.4. Consumes

- `application/json`

31.34.5. Produces

- `application/json`

31.35. List the disks selected for a virtual machine backup target of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/virtual_machines/{virtual_machine_id}/disks/
```

31.35.1. Description

This endpoint returns the disks selected for a virtual machine backup target of the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own protected volumes.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.35.2. Parameters

Type	Name	Description	Schema
Path	**policy_id** *required*		string
Path	**virtual_machine_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

31.35.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_policies_targets_virtual_machines_disks_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_policies_targets_virtual_machines_disks_list

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
resource_group *optional*	Name of the Azure resource group.	string
size *optional*	Size of the resource (in GiB).	integer
sku *optional*	The type of the disk.	string
status *optional*	Current status of the resource.	string
subscription_id *optional*		string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.35.4. Produces

- `application/json`

31.36. Retrieve a disk selected for a virtual machine backup target of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/virtual_machines/{virtual_machine_id}/disks/{id}/
```

31.36.1. Description

This endpoint returns a disk selected for a virtual machine backup target of the N2WS policy whose ID is passed in the URL path.
* Any authenticated user can get his own volumes instances.
* Root user can also get the protected volumes of the managed users.
* Delegates can get the protected volumes of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.36.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Path	**virtual_machine_id** *required*	string

31.36.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_policies_targets_virtual_machines_disks_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_policies_targets_virtual_machines_disks_read

Name	Description	Schema
azure_id *optional*	ID of the resource in Azure.	string
id *optional*	Unique ID of the resource in N2WS.	integer
iops *optional*	Number of IOPS.	integer
location *optional*	Azure location.	string
name *optional*	Name of the resource in Azure.	string
resource_group *optional*	Name of the Azure resource group.	string
size *optional*	Size of the resource (in GiB).	integer
sku *optional*	The type of the disk.	string
status *optional*	Current status of the resource.	string
subscription_id *optional*		string
tagged *optional*	Whether this resource has a N2WS backup tag.	boolean

31.36.4. Produces

- `application/json`

31.37. Delete a disk selected for a virtual machine backup target from a N2WS policy

```
DELETE
/api/azure/policies/{policy_id}/targets/virtual_machines/{virtual_machine_id}/disks/{id}/
```

31.37.1. Description

This endpoint deletes a disk selected for a virtual machine backup target from the N2WS policy whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own volumes.
* Root user can also delete volumes for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete volumes for his original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

31.37.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**policy_id** *required*	string
Path	**virtual_machine_id** *required*	string

31.37.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 32. Azure Recoveries

32.1. List N2WS recovery records

```
GET /api/azure/recoveries/
```

32.1.1. Description

This endpoint returns a list of N2WS recovery records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own recovery records.
* Root user can also get the recovery records of the managed users.
* Delegates can get the recovery records of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

32.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	Recovery associated account.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * backup_time * policy * recovery_scenario_record * recovery_time * recovery_type * status * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	Recovered backup's associated policy.	string

Type	Name	Description	Schema
Query	**recovery_scenario_record** *optional*	Recovery scenario ID if related, NULL otherwise.	string
Query	**status** *optional*	Recovery status.	string
Query	**user** *optional*	Recovery associated user.	string

32.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_recoveries_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_recoveries_list

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string

Name	Description	Schema
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * 0 (Dummy)	enum (0)
status *optional*	Recovery status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
user *optional*	Recovery associated user.	integer

32.1.4. Produces

- `application/json`

32.2. Retrieve a N2WS recovery record

```
GET /api/azure/recoveries/{id}/
```

32.2.1. Description

This endpoint returns the N2WS recovery record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own recovery records.
* Root user can also get the recovery records of the managed users.
* Delegates can get the recovery records of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

32.2.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

32.2.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_recoveries_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_recoveries_read

Name	Description	Schema
account *optional*	Recovery associated account.	integer
backup_marked_for_deletion *optional*	Whether this recovery's source backup is marked for deletion or not.	boolean
backup_record *optional*	Recovery's source backup ID.	integer

Name	Description	Schema
backup_time *optional*	Time the recovered backup started.	string
cloud *optional*		string
frozen_item_name *optional*	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
id *optional*	Unique ID of the resource in N2WS.	integer
original_resource_id *optional*	Recovery's source AWS ID.	string
policy *optional*	Recovered backup's associated policy.	integer
recovered_resource_ids *optional*	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
recovery_scenario_id *optional*	N2WS recovery scenario id.	string
recovery_scenario_name *optional*	N2WS recovery scenario name.	string
recovery_scenario_record *optional*	Recovery scenario ID if related, NULL otherwise.	integer
recovery_scenario_record_dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
recovery_scenario_record_start_time *optional*	N2WS recovery scenario run start time.	string
recovery_time *optional*	Recovery start time.	string
recovery_type *optional*	Recovery type. **Allowed Enum Values** * 0 (Dummy)	enum (0)
status *optional*	Recovery status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
user *optional*	Recovery associated user.	integer

32.2.4. Produces

- `application/json`

32.3. Delete a N2WS recovery record

```
DELETE /api/azure/recoveries/{id}/
```

32.3.1. Description

This endpoint deletes the N2WS recovery record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own recovery records.
* Root user can also delete recovery records for the managed users.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

32.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

32.3.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

32.4. List the selected logs - recovery record

```
GET /api/azure/recoveries/{id}/logs/
```

32.4.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

32.4.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**severity** *optional*	None	string

32.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_recoveries_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_recoveries_list_logs

Name	Description	Schema
log *optional*	Log message.	string

Name	Description	Schema
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

32.4.4. Produces

- `application/json`
- `text/csv`

Chapter 33. Azure Recovery Scenarios

33.1. Create a N2WS recovery scenario

```
POST /api/azure/recovery_scenarios/
```

33.1.1. Description

This endpoint creates a new N2WS recovery scenario.

Permissions and Restrictions:
* Any authenticated user can create a new recovery scenario for himself.
* Root user can also create a new recovery scenario for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new recovery scenario for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

33.1.2. Parameters

Type	Name	Schema
Body	**data_azure_recovery_scenarios_create** *required*	data_azure_recovery_scenarios_create

data_azure_recovery_scenarios_create

Name	Description	Schema
description *optional*	Description for the resource.	string
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
name *optional*	Name of the resource.	string
policy *required*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer

Name	Description	Schema
recovery_destination_location *optional*		string
recovery_destination_resource_group *optional*		string
recovery_destination_subscription_id *optional*		string
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)

33.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_recovery_scenarios_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_recovery_scenarios_create

Name	Description	Schema
cloud *optional*	Cloud name.	string
description *optional*	Description for the resource.	string
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer

Name	Description	Schema
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_location *optional*		string
recovery_destination_resource_group *optional*		string
recovery_destination_subscription_id *optional*		string
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
target_type_count *optional*	Holds the count for each target type in the recovery scenario.	object

33.1.4. Consumes

- `application/json`

33.1.5. Produces

- `application/json`

33.2. List N2WS recovery scenarios

```
GET /api/azure/recovery_scenarios/
```

33.2.1. Description

This endpoint returns a list of N2WS recovery scenarios.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenarios.
* Root user can also get the recovery scenarios of the managed users.
* Delegates can get the recovery scenarios of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

33.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**description** *optional*	Description for the resource.	string
Query	**name** *optional*	Name of the resource.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * from_account_name * from_user * name * policy * to_location_name	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	ID of the policy this resource is associated with.	string

Type	Name	Description	Schema
Query	**recovery_destination_location** *optional*	None	string
Query	**recovery_destination_resource_group** *optional*	None	string
Query	**recovery_destination_subscription_id** *optional*	None	string
Query	**schedule** *optional*	Schedule ID associated with this recovery scenario for when to run.	string
Query	**search** *optional*	Search term to look for in the fields: * name * description * name of related policy * description of related policy	string
Query	**user** *optional*	ID of the owner user.	string

33.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_recovery_scenarios_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_recovery_scenarios_list

Name	Description	Schema
cloud *optional*	Cloud name.	string
description *optional*	Description for the resource.	string
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_location *optional*		string
recovery_destination_resource_group *optional*		string
recovery_destination_subscription_id *optional*		string
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
target_type_count *optional*	Holds the count for each target type in the recovery scenario.	object

33.2.4. Produces

- `application/json`

33.3. List N2WS recovery scenario records

```
GET /api/azure/recovery_scenarios/records/
```

33.3.1. Description

This endpoint returns a list of N2WS recovery scenario records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenario records.
* Root user can also get the recovery scenario records of the managed users.
* Delegates can get the recovery scenario records of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

33.3.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**backup_record** *optional*	The N2WS Backup ID used for recoveries.	string
Query	**dry_run_only** *optional*	Is recovery scenario performed dry run only or fully.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * backup_time * start_time	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy** *optional*	ID of the policy this resource is associated with.	string
Query	**recovery_scenario** *optional*	The N2WS recovery scenario ID for this run.	string

Type	Name	Description	Schema
Query	**start_time** *optional*	The N2WS recovery scenario run start time.	string
Query	**status** *optional*	The N2WS recovery scenario run status.	string
Query	**user** *optional*	ID of the owner user.	string

33.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_recovery_scenarios_records_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_recovery_scenarios_records_list

Name	Description	Schema
backup_record *optional*	The N2WS Backup ID used for recoveries.	integer
backup_record_start_time *optional*	The N2WS Backup start time used for recoveries.	string
cloud *optional*	Cloud name.	string
dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
end_time *optional*	The N2WS recovery scenario run end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
recovery_scenario *optional*	The N2WS recovery scenario ID for this run.	integer
start_time *optional*	The N2WS recovery scenario run start time.	string
status *optional*	The N2WS recovery scenario run status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

33.3.4. Produces

- `application/json`

33.4. Retrieve a N2WS recovery scenario record

```
GET /api/azure/recovery_scenarios/records/{id}/
```

33.4.1. Description

This endpoint returns the N2WS recovery scenario record.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenario records.
* Root user can also get the recovery scenario records of the managed users.
* Delegates can get the recovery scenario records of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

33.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

33.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_recovery_scenarios_records_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_recovery_scenarios_records_read

Name	Description	Schema
backup_record *optional*	The N2WS Backup ID used for recoveries.	integer
backup_record_start_time *optional*	The N2WS Backup start time used for recoveries.	string
cloud *optional*	Cloud name.	string

Name	Description	Schema
dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
end_time *optional*	The N2WS recovery scenario run end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
recovery_scenario *optional*	The N2WS recovery scenario ID for this run.	integer
start_time *optional*	The N2WS recovery scenario run start time.	string
status *optional*	The N2WS recovery scenario run status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

33.4.4. Produces

- `application/json`

33.5. Delete a N2WS recovery scenario record

```
DELETE /api/azure/recovery_scenarios/records/{id}/
```

33.5.1. Description

This endpoint deletes the N2WS recovery scenario record for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own recovery scenario records.
* Root user can also delete recovery scenario records for the managed users.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

33.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

33.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

33.6. List of recovery scenario record logs.

```
GET /api/azure/recovery_scenarios/records/{id}/logs/
```

33.6.1. Description

This endpoint returns a list of recovery scenario record logs for the policy, scenario and scenario_id passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

33.6.2. Parameters

Type	Name	Description	Schema
Path	**id** *required*		string
Query	**severity** *optional*	None	string

33.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_recovery_scenarios_records_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_recovery_scenarios_records_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

33.6.4. Produces

- `application/json`
- `text/csv`

33.7. Retrieve a N2WS recovery scenario

```
GET /api/azure/recovery_scenarios/{id}/
```

33.7.1. Description

This endpoint returns the N2WS recovery scenario for the ID passed in the URL path.
The URL also contains the policy ID of the scenario.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenarios.
* Root user can also get the recovery scenarios of the managed users.
* Delegates can get the recovery scenarios of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

33.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

33.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_recovery_scenarios_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_recovery_scenarios_read

Name	Description	Schema
cloud *optional*	Cloud name.	string
description *optional*	Description for the resource.	string

Name	Description	Schema
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string
policy *optional*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_location *optional*		string
recovery_destination_resource_group *optional*		string
recovery_destination_subscription_id *optional*		string
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
target_type_count *optional*	Holds the count for each target type in the recovery scenario.	object

33.7.4. Produces

- `application/json`

33.8. Update a N2WS recovery scenario

```
PUT /api/azure/recovery_scenarios/{id}/
```

33.8.1. Description

This endpoint updates the N2WS recovery scenario for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own recovery scenarios.
* Root user can also update recovery scenarios for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update recovery scenarios for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

33.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_recovery_scenarios_update** *required*	data_azure_recovery_scenarios_update

data_azure_recovery_scenarios_update

Name	Description	Schema
description *optional*	Description for the resource.	string
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
name *optional*	Name of the resource.	string
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer

Name	Description	Schema
recovery_destination_location *optional*		string
recovery_destination_resource_group *optional*		string
recovery_destination_subscription_id *optional*		string
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)

33.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_recovery_scenarios_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_recovery_scenarios_update

Name	Description	Schema
cloud *optional*	Cloud name.	string
description *optional*	Description for the resource.	string
endure *optional*	Flag whether to keep on recovering targets even after preceding failure.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Name of the resource.	string

Name	Description	Schema
policy *optional*	ID of the policy this resource is associated with.	integer
recipients *optional*		< string > array
recovery_destination_account *optional*	N2WS Account ID for recovery destination.	integer
recovery_destination_location *optional*		string
recovery_destination_resource_group *optional*		string
recovery_destination_subscription_id *optional*		string
schedule *optional*	Schedule ID associated with this recovery scenario for when to run.	integer
schedule_running_option *optional*	Running option for scheduled recovery scenario. **Allowed Enum Values** * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
target_type_count *optional*	Holds the count for each target type in the recovery scenario.	object

33.8.4. Consumes

- `application/json`

33.8.5. Produces

- `application/json`

33.9. Delete a N2WS recovery scenario

```
DELETE /api/azure/recovery_scenarios/{id}/
```

33.9.1. Description

This endpoint deletes the N2WS recovery scenario for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own recovery scenarios.
* Root user can also delete recovery scenarios for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete recovery scenarios for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

33.9.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

33.9.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

33.10. Run a N2WS recovery scenario

```
POST /api/azure/recovery_scenarios/{scenario_id}/recover/
```

33.10.1. Description

This endpoint runs the N2WS recovery scenario for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can run his own recovery scenarios.
* Root user can also run recovery scenarios for the managed users.
* Authenticated delegate user with `allow_perform_recovery` can run recovery scenarios for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

33.10.2. Parameters

Type	Name	Schema
Path	**scenario_id** *required*	string
Body	**data_azure_recovery_scenarios_recover_create** *required*	data_azure_recovery_scenarios_recover_create

data_azure_recovery_scenarios_recover_create

Name	Schema
backup_id *required*	integer
dry_run_only *optional*	boolean

33.10.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_recovery_scenarios_recover_create
400	Bad Request	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content

response_azure_recovery_scenarios_recover_create

Name	Description	Schema
backup_record *optional*	The N2WS Backup ID used for recoveries.	integer
backup_record_start_time *optional*	The N2WS Backup start time used for recoveries.	string
cloud *optional*	Cloud name.	string
dry_run_only *optional*	Is recovery scenario performed dry run only or fully.	boolean
end_time *optional*	The N2WS recovery scenario run end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
recovery_scenario *optional*	The N2WS recovery scenario ID for this run.	integer
start_time *optional*	The N2WS recovery scenario run start time.	string
status *optional*	The N2WS recovery scenario run status. **Allowed Enum Values** * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

33.10.4. Consumes

- `application/json`

33.10.5. Produces

- `application/json`

33.11. Create a N2WS recovery scenario target

```
POST /api/azure/recovery_scenarios/{scenario_id}/targets/
```

33.11.1. Description

This endpoint creates a new N2WS recovery scenario target.

Permissions and Restrictions:
* Any authenticated user can create a new recovery scenario target for himself.
* Root user can also create a new recovery scenario target for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new recovery scenario target for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

33.11.2. Parameters

Type	Name	Schema
Path	**scenario_id** *required*	string
Body	**data_azure_recovery_scenarios_targets_create** *required*	data_azure_recovery_scenarios_targets_create

data_azure_recovery_scenarios_targets_create

Name	Description	Schema
azure_id *optional*		string
configuration *required*	Recovery scenario target configuration in JSON format.	object
location *optional*		string
order *optional*	Order recovery integer value.	integer

Name	Description	Schema
recovery_type *required*	Recovery scenario target type. **Allowed Enum Values** * V (virtual_machine) * D (disk) * S (sql_server) * B (sql_database) * DRD (DR disk)	enum (V, D, S, B, DRD)

33.11.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_recovery_scenarios_targets_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_recovery_scenarios_targets_create

Name	Description	Schema
azure_id *optional*		string
configuration *optional*	Recovery scenario target configuration in JSON format.	object
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
order *optional*	Order recovery integer value.	integer
recovery_type *optional*	Recovery scenario target type. **Allowed Enum Values** * V (virtual_machine) * D (disk) * S (sql_server) * B (sql_database) * DRD (DR disk)	enum (V, D, S, B, DRD)
resource_group *optional*		string

Name	Description	Schema
subscription *optional*		string

33.11.4. Consumes

- `application/json`

33.11.5. Produces

- `application/json`

33.12. List N2WS recovery scenario targets

```
GET /api/azure/recovery_scenarios/{scenario_id}/targets/
```

33.12.1. Description

This endpoint returns a list of N2WS recovery scenario targets.

Optional `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenario targets.
* Root user can also get the recovery scenario targets of the managed users.
* Delegates can get the recovery scenario targets of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

33.12.2. Parameters

Type	Name	Description	Schema
Path	**scenario_id** *required*		string
Query	**azure_id** *optional*	None	string
Query	**order** *optional*	Order recovery integer value.	number
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * azure_id * order * recovery_type	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**recovery_type** *optional*	Recovery scenario target type.	string

Type	Name	Description	Schema
Query	**search** *optional*	Search term to look for in the fields: * recovery_type * azure_id * order	string

33.12.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_recovery_scenarios_targets_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_recovery_scenarios_targets_list

Name	Description	Schema
azure_id *optional*		string
configuration *optional*	Recovery scenario target configuration in JSON format.	object
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
order *optional*	Order recovery integer value.	integer
recovery_type *optional*	Recovery scenario target type. **Allowed Enum Values** * V (virtual_machine) * D (disk) * S (sql_server) * B (sql_database) * DRD (DR disk)	enum (V, D, S, B, DRD)
resource_group *optional*		string
subscription *optional*		string

33.12.4. Produces

- `application/json`

33.13. Retrieve a N2WS recovery scenario target

```
GET /api/azure/recovery_scenarios/{scenario_id}/targets/{id}/
```

33.13.1. Description

This endpoint returns the N2WS recovery scenario target for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own recovery scenario targets.
* Root user can also get the recovery scenario targets of the managed users.
* Delegates can get the recovery scenario targets of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

33.13.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**scenario_id** *required*	string

33.13.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_recovery_scenarios_targets_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_recovery_scenarios_targets_read

Name	Description	Schema
azure_id *optional*		string
configuration *optional*	Recovery scenario target configuration in JSON format.	object

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
order *optional*	Order recovery integer value.	integer
recovery_type *optional*	Recovery scenario target type. **Allowed Enum Values** * V (virtual_machine) * D (disk) * S (sql_server) * B (sql_database) * DRD (DR disk)	enum (V, D, S, B, DRD)
resource_group *optional*		string
subscription *optional*		string

33.13.4. Produces

- `application/json`

33.14. Update a N2WS recovery scenario target

```
PUT /api/azure/recovery_scenarios/{scenario_id}/targets/{id}/
```

33.14.1. Description

This endpoint updates the N2WS recovery scenario target for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own recovery scenario targets.
* Root user can also update recovery scenario targets for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update recovery scenario targets for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

33.14.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**scenario_id** *required*	string
Body	**data_azure_recovery_scenarios_targets_update** *required*	data_azure_recovery_scenarios_targets_update

data_azure_recovery_scenarios_targets_update

Name	Description	Schema
configuration *required*	Recovery scenario target configuration in JSON format.	object
order *optional*	Order recovery integer value.	integer

Name	Description	Schema
recovery_type *required*	Recovery scenario target type. **Allowed Enum Values** * V (virtual_machine) * D (disk) * S (sql_server) * B (sql_database) * DRD (DR disk)	enum (V, D, S, B, DRD)

33.14.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_recovery_scenarios_targets_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_recovery_scenarios_targets_update

Name	Description	Schema
azure_id *optional*		string
configuration *optional*	Recovery scenario target configuration in JSON format.	object
id *optional*	Unique ID of the resource in N2WS.	integer
location *optional*		string
order *optional*	Order recovery integer value.	integer
recovery_type *optional*	Recovery scenario target type. **Allowed Enum Values** * V (virtual_machine) * D (disk) * S (sql_server) * B (sql_database) * DRD (DR disk)	enum (V, D, S, B, DRD)

Name	Description	Schema
resource_group *optional*		string
subscription *optional*		string

33.14.4. Consumes

- `application/json`

33.14.5. Produces

- `application/json`

33.15. Delete a N2WS recovery scenario target

```
DELETE /api/azure/recovery_scenarios/{scenario_id}/targets/{id}/
```

33.15.1. Description

This endpoint deletes the N2WS recovery scenario target for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own recovery scenario targets.
* Root user can also delete recovery scenario targets for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete recovery scenario targets for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.2.0`

33.15.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**scenario_id** *required*	string

33.15.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 34. Azure Reports

34.1. Azure Backup report

```
GET /api/azure/reports/backups/
```

34.1.1. Description

This endpoint returns a list of Azure backup report items.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own backups.
* Root user and his delegates can also get the backups of the managed users.
* Delegates can get the backups of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

34.1.2. Parameters

Type	Name	Description	Schema
Query	**azure_account** *optional*	None	string
Query	**azure_account_name** *optional*	None	string
Query	**backup_id** *optional*	ID of the backup record.	number
Query	**freezer_items** *optional*	None	string
Query	**from_time** *optional*	Return records of backups which started after this time.	string
Query	**is_retry** *optional*	Is this backup a retry attempt.	string
Query	**marked_for_deletion** *optional*	Is this backup marked for deletion.	string

Type	Name	Description	Schema
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * azure_account * azure_account_name * backup_id * end_time * is_retry * marked_for_deletion * policy_name * start_time * status * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy_name** *optional*	Name of the policy this backup is associated with.	string
Query	**status** *optional*	Backup status.	string
Query	**to_time** *optional*	Return records of backups which started before this time.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Username of the user this backup is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user	string

34.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_backups_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_backups_list

Name	Description	Schema
account_name *optional*	Name of the account this backup is associated with.	string

Name	Description	Schema
backup_id *optional*	ID of the backup record.	string
end_time *optional*	Backup's end time. For media type `application/json`, the date/time returned is UTC. For `text/csv`, it is the server time.	string
freezer *optional*		boolean
is_retry *optional*	Is this backup a retry attempt.	boolean
marked_for_deletion *optional*	Is this backup marked for deletion.	boolean
policy_name *optional*	Name of the policy this backup is associated with.	string
start_time *optional*	Backup's start time. For media type `application/json`, the date/time returned is UTC. For `text/csv`, it is the server time.	string
status *optional*	Backup status. **Allowed Enum Values** * 0 (Dummy)	enum (0)
status_before_deletion *optional*	Backup's status before its native snapshots were deleted.	string
subscription_id *optional*	Azure Subscription ID.	string
username *optional*	Username of the user this backup is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user	string

34.1.4. Produces

- `application/json`
- `text/csv`

34.2. Azure protected resources report

```
GET /api/azure/reports/protected_resources/
```

34.2.1. Description

This endpoint returns a list of Azure protected resource records.

Optional `filters` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get records of his own VMs.
* Root user and his delegates can also get records of all other users.
* Delegates can get the snapshots of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

34.2.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

34.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_protected_resources_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_protected_resources_list

Name	Description	Schema
azure_account_name *optional*		string
azure_policies *optional*		< string > array
azure_resource_id *optional*		string
azure_resource_location *optional*		string
azure_resource_name *optional*		string
resource_type *optional*		string
schedules *optional*		< string > array
username *optional*	Name of the owner user.	string

34.2.4. Produces

- `application/json`
- `text/csv`

34.3. Snapshots report

```
GET /api/azure/reports/snapshots/
```

34.3.1. Description

This endpoint returns a list of snapshot records.

Optional `filters` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user and his delegates can also get the snapshots of managed users.
* Delegates can get the snapshots of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* Supported parameters for media type `text/csv`: `account`, `from_time`, `to_time`.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

34.3.2. Parameters

Type	Name	Description	Schema
Query	**azure_account** *optional*	None	string
Query	**freezer_items** *optional*	None	string
Query	**from_time** *optional*	None	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**to_time** *optional*	None	string

34.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_snapshots_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_snapshots_list

Name	Description	Schema
account_name *optional*	Associated account name.	string
azure_account_client *optional*	The Azure registered application's client secret.	string
azure_account_tenant *optional*	The Azure registered application's tenant id.	string
backed_up_resource_id *optional*	Backed-up resource's Azure ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
deletion_time *optional*	Time of the snapshot's deletion.	string
encryption *optional*	Disk encryption set.	response_azure_reports_snapshots_list_encryption
end_time *optional*	Snapshot's end time.	string
is_os_disk *optional*	Indicates if disk is OS disk.	boolean
policy_name *optional*	Associated policy name.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string
snapshot_azure_account_client *optional*	The Azure registered application's client secret.	string
snapshot_azure_account_tenant *optional*	The Azure registered application's tenant id.	string

Name	Description	Schema
snapshot_id *optional*	Snapshot's Azure ID.	string
snapshot_type *optional*	Backed-up resource type ('disk')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
username *optional*	Associated user's username.	string
virtual_machine_id *optional*	Virtual Machine's ID if an attached disk, otherwise 'null'.	string
virtual_machine_name *optional*	Virtual Machine's name if an attached disk, otherwise 'null'.	string

response_azure_reports_snapshots_list_encryption

Name	Schema
encryption_set_id *optional*	string
type *optional*	string

34.3.4. Produces

- `application/json`
- `text/csv`

34.4. Summary report

```
GET /api/azure/reports/summary/
```

34.4.1. Description

This endpoint creates a summary report in PDF format.

Optional `filters` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can create this report for his resources.

PDF Media Type:
* `application/pdf` media type is the only one supported for this endpoint.
* `page` and `page_size` parameters are not supported.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

34.4.2. Parameters

Type	Name	Description	Schema
Query	**azure_account** *optional*	None	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**period_length** *optional*	Period length of summary report.	number
Query	**period_type** *optional*	Period type (week/month) of summary report.	string
Query	**username** *optional*	Name of the owner user.	string

34.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_summary_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_summary_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
account_name *optional*		string
accounts *optional*		integer
azure_account *optional*		integer
backup_dr_fail_num *optional*		integer
backup_dr_success_num *optional*		integer
backup_fail_num *optional*		integer
backup_partial_num *optional*		integer
backup_s3_fail_num *optional*		integer
backup_s3_partial_num *optional*		integer
backup_s3_success_num *optional*		integer
backup_success_num *optional*		integer
cloud *optional*		string
cost_explorer *optional*		string
cost_savings *optional*		string
is_user_managed *optional*		boolean

Name	Description	Schema
managed_snapshots *optional*		integer
period_length *optional*	Period length of summary report.	integer
period_type *optional*	Period type (week/month) of summary report. **Allowed Enum Values** * W (Week) * M (Month)	enum (W, M)
policies *optional*		integer
protected_resources *optional*		integer
user *optional*	ID of the owner user.	integer
user_name *optional*		string
volumes_above_high_watermark_num *optional*		integer
volumes_below_low_watermark_num *optional*		integer
volumes_usage_percentage_num *optional*		integer

34.4.4. Produces

- `application/pdf`

34.5. Account usage report

```
GET /api/azure/reports/usage/
```

34.5.1. Description

This endpoint returns a list of account usage records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-VM Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.



This endpoint is deprecated and will be removed in future release.
Use `GET /api/reports/usage/summary/` or `GET /api/reports/usage/detailed/` instead.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`
- ***Deprecated since:*** `2.0.0`

34.5.2. Parameters

Type	Name	Description	Schema
Query	**azure_account_name** *optional*	None	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * azure_account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**username** *optional*	Username of the user this account is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user.	string

34.5.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_usage_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_usage_list

Name	Description	Schema
azure_account_name *optional*		string
num_gib_of_independent_disks *optional*	Number of independent disk GiB under this account which are protected by N2WS.	integer
num_vms *optional*	Number of VM's under this account which are protected by N2WS.	integer
username *optional*	Username of the user this account is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user.	string

34.5.4. Produces

- `application/json`
- `text/csv`

34.6. Anonymized account usage report

```
GET /api/azure/reports/usage/anonymized/
```

34.6.1. Description

This endpoint returns a list of the anonymized account usage records.

Permissions and Restrictions:
* Only root user and his delegates are permitted access to this report.
* Root user and his delegates get the usage records of all users (root, managed and independent).

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-VM Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

34.6.2. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_usage_anonymized_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_usage_anonymized_list

Name	Description	Schema
azure_account_id *optional*		string
num_gib_of_independent_disks *optional*	Number of independent disk GiB under this account which are protected by N2WS.	integer
num_gib_of_sql_databases *optional*		integer
num_vms *optional*		integer

Name	Description	Schema
user_id *optional*	ID of the user this account is associated with.	string

34.6.3. Produces

- `application/json`
- `text/csv`

34.7. User/Account detailed usage reports

```
GET /api/azure/reports/usage/detailed/
```

34.7.1. Description

This endpoint returns a list of user/account usage records. The usages of user's accounts are detailed.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-VM Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

34.7.2. Parameters

Type	Name	Description	Schema
Query	**azure_account** *optional*	None	string
Query	**azure_account_name** *optional*	None	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * azure_account * azure_account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**to_time** *optional*	Time until which to display reports.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Name of the owner user.	string

34.7.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_usage_detailed_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_usage_detailed_list

Name	Description	Schema
azure_account_id *optional*		integer
azure_account_name *optional*		string
disk_capacity *optional*	Number of independent disk GiB under this account which are protected by N2WS.	integer
num_virtual_machines *optional*	Number of virtual machines under this account which are protected by N2WS.	integer
report_time *optional*	The date of the report.	string
sql_database_capacity *optional*		integer
total_non_vm_storage *optional*		integer
user_id *optional*	ID of the user this account is associated with.	integer
username *optional*	Name of the user.	string

34.7.4. Produces

- application/json
- text/csv

34.8. User/Account detailed anonymous usage reports

```
GET /api/azure/reports/usage/detailed/anonymous/
```

34.8.1. Description

This endpoint returns a list of user/account anonymous usage records. The usages of user's accounts are detailed.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-VM Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

34.8.2. Parameters

Type	Name	Description	Schema
Query	**azure_account** *optional*	None	string
Query	**azure_account_name** *optional*	None	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * azure_account * azure_account_name * username	string

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**to_time** *optional*	Time until which to display reports.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Name of the owner user.	string

34.8.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_usage_detailed_anonymous_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_usage_detailed_anonymous_list

Name	Description	Schema
azure_account_id *optional*		integer
azure_account_name *optional*		string
disk_capacity *optional*	Number of independent disk GiB under this account which are protected by N2WS.	integer
num_virtual_machines *optional*	Number of virtual machines under this account which are protected by N2WS.	integer
report_time *optional*	The date of the report.	string
sql_database_capacity *optional*		integer
total_non_vm_storage *optional*		integer
user_id *optional*	ID of the user this account is associated with.	integer
username *optional*	Name of the user.	string

34.8.4. Produces

- `application/json`
- `text/csv`

34.9. User/Account summary usage reports

```
GET /api/azure/reports/usage/summary/
```

34.9.1. Description

This endpoint returns a list of user/account usage records. The usages of user's accounts are summarised.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-VM Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

34.9.2. Parameters

Type	Name	Description	Schema
Query	**azure_account_name** *optional*	None	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * azure_account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**to_time** *optional*	Time until which to display reports.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Name of the owner user.	string

34.9.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_usage_summary_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_usage_summary_list

Name	Description	Schema
num_gib_of_independent_disks *optional*		string
num_gib_of_sql_databases *optional*		string
num_vms *optional*		string
report_time *optional*		string
total_non_vm_storage *optional*		string
user_id *optional*		integer
username *optional*	Name of the owner user.	string

34.9.4. Produces

- `application/json`
- `text/csv`

34.10. User/Account anonymous summary usage reports

```
GET /api/azure/reports/usage/summary/anonymous/
```

34.10.1. Description

This endpoint returns a list of user/account anonymous usage records. The usages of user's accounts are summarised.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-VM Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

34.10.2. Parameters

Type	Name	Description	Schema
Query	**azure_account_name** *optional*	None	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * azure_account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**to_time** *optional*	Time until which to display reports.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Name of the owner user.	string

34.10.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_reports_usage_summary_anonymous_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_reports_usage_summary_anonymous_list

Name	Description	Schema
num_gib_of_independent_disks *optional*		string
num_gib_of_sql_databases *optional*		string
num_vms *optional*		string
report_time *optional*		string
total_non_vm_storage *optional*		string
user_id *optional*		integer
username *optional*	Name of the owner user.	string

34.10.4. Produces

- `application/json`
- `text/csv`

Chapter 35. Azure Resource Types

35.1. List target resource types

```
GET /api/azure/resource_types/
```

35.1.1. Description

This endpoint returns the list of target resource types (e.g. Virtual Machines).

Optional `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get the list of target resource types.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

35.1.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

35.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_resource_types_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_resource_types_list

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
label *optional*	Display name of the target resource type.	string

Name	Description	Schema
name *optional*	Name of the target resource type.	string

35.1.4. Produces

- `application/json`

Chapter 36. Azure Storage Account Repositories

36.1. Create a Storage Account

```
POST /api/azure/storage_account_repositories/
```

36.1.1. Description

This endpoint creates a Storage Account.

Permissions and Restrictions:
* Any authenticated user can create a new Storage Account for himself.
* Root user can also create a new Storage Account for the managed users.
* Authenticated delegate user with `allowed_change_account` can create a new Storage Account storage account repository for his original user.
* Maximum number of allowed Storage Account Repositories is limited by the license.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

36.1.2. Parameters

Type	Name	Schema
Body	**data_azure_storage_account_repositories_create** *required*	data_azure_storage_account_repositories_create

data_azure_storage_account_repositories_create

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
azure_storage_account_id *required*		string
description *optional*	Description for the resource.	string
immutable *required*		boolean
lease_id *optional*		string
location *required*		string

Name	Description	Schema
name *required*	Name of the resource.	string

36.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_storage_account_repositories_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_storage_account_repositories_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
azure_storage_account_id *optional*		string
azure_storage_account_name *optional*		string
cloud *optional*		string
deletion_status *optional*	**Allowed Enum Values** * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
immutable *optional*		boolean
lease_id *optional*		string
location *optional*		string
name *optional*	Name of the resource.	string

Name	Description	Schema
related_aws_policies *optional*		< integer > array
related_policies *optional*		< integer > array
resource_group *optional*		string
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

36.1.4. Consumes

- `application/json`

36.1.5. Produces

- `application/json`

36.2. List Storage Account Repositories

```
GET /api/azure/storage_account_repositories/
```

36.2.1. Description

This endpoint returns a list of Storage Account Repositories.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own Storage Account Repositories.
* Root user can also get the Storage Account Repositories of the managed users.
* Delegates can get the Storage Account Repositories of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

36.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**id** *optional*	Unique ID of the resource in N2WS.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * azure_storage_account_name * location * name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * name * description	string
Query	**subscription_id** *optional*	None	string

Type	Name	Description	Schema
Query	**user** *optional*	ID of the owner user.	string

36.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_storage_account_repositories_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_storage_account_repositories_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
azure_storage_account_id *optional*		string
azure_storage_account_name *optional*		string
cloud *optional*		string
deletion_status *optional*	**Allowed Enum Values** * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
immutable *optional*		boolean
lease_id *optional*		string
location *optional*		string
name *optional*	Name of the resource.	string

Name	Description	Schema
related_aws_policies *optional*		< integer > array
related_policies *optional*		< integer > array
resource_group *optional*		string
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

36.2.4. Produces

- `application/json`

36.3. Retrieve a Storage Account

```
GET /api/azure/storage_account_repositories/{id}/
```

36.3.1. Description

This endpoint returns the Storage Account for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own Storage Account Repositories.
* Root user can also get the Storage Account Repositories of the managed users.
* Delegates can get the Storage Account Repositories of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

36.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

36.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_storage_account_repositories_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_storage_account_repositories_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
azure_storage_account_id *optional*		string
azure_storage_account_name *optional*		string

Name	Description	Schema
cloud *optional*		string
deletion_status *optional*	**Allowed Enum Values** * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
immutable *optional*		boolean
lease_id *optional*		string
location *optional*		string
name *optional*	Name of the resource.	string
related_aws_policies *optional*		< integer > array
related_policies *optional*		< integer > array
resource_group *optional*		string
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer

36.3.4. Produces

- `application/json`

36.4. Update a Storage Account

```
PUT /api/azure/storage_account_repositories/{id}/
```

36.4.1. Description

This endpoint updates the Storage Account for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own Storage Account Repositories.
* Root user can also update Storage Account Repositories for the managed users.
* Authenticated delegate user with `allowed_change_account` can update Storage Account Repositories for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

36.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_storage_account_repositories_update** *required*	data_azure_storage_account_repositories_update

data_azure_storage_account_repositories_update

Name	Description	Schema
description *optional*	Description for the resource.	string

36.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_storage_account_repositories_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

HTTP Code	Description	Schema
404	Not Found	No Content

response_azure_storage_account_repositories_update

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
azure_storage_account_id *optional*		string
azure_storage_account_name *optional*		string
cloud *optional*		string
deletion_status *optional*	**Allowed Enum Values** * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
description *optional*	Description for the resource.	string
id *optional*	Unique ID of the resource in N2WS.	integer
immutable *optional*		boolean
lease_id *optional*		string
location *optional*		string
name *optional*	Name of the resource.	string
related_aws_policies *optional*		< integer > array
related_policies *optional*		< integer > array
resource_group *optional*		string
subscription_id *optional*		string

Name	Description	Schema
user *optional*	ID of the owner user.	integer

36.4.4. Consumes

- `application/json`

36.4.5. Produces

- `application/json`

36.5. Delete a Storage Account

```
DELETE /api/azure/storage_account_repositories/{id}/
```

36.5.1. Description

This endpoint deletes the Storage Account for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own Storage Account Repositories.
* Root user can also delete Storage Account Repositories for the managed users.
* Authenticated delegate user with `allowed_change_account` can delete Storage Account Repositories for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

36.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

36.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

36.6. Delete a Storage Account, even if deleting the actual data from the storage account repository is not possible.

```
DELETE /api/azure/storage_account_repositories/{id}/force/
```

36.6.1. Description

This endpoint deletes the Storage Account for the ID passed in the URL path.
An attempt is made to delete the data in the storage account repository as well, but if that is not possible, the storage account repository is deleted anyway.
Permissions and Restrictions:
* Any authenticated user can delete his own Storage Account Repositories.
* Root user can also delete Storage Account Repositories for the managed users.
* Authenticated delegate user with `allowed_change_account` can delete Storage Account Repositories for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

36.6.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

36.6.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 37. Azure Worker Tags

37.1. Create a worker tag

```
POST /api/azure/worker_tags/
```

37.1.1. Description

This endpoint creates a worker tag.

Permissions and Restrictions:
* Any authenticated user can create a new worker tag for himself.
* Root user can also create a new worker tag for the managed users.
* Authenticated delegate user with `allowed_change_account` can create a new worker tag for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

37.1.2. Parameters

Type	Name	Schema
Body	**data_azure_worker_tags_create** *required*	data_azure_worker_tags_create

data_azure_worker_tags_create

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
key *required*		string
value *optional*		string

37.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_worker_tags_create
400	Bad Request	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content

response_azure_worker_tags_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
key *optional*		string
value *optional*		string

37.1.4. Consumes

- `application/json`

37.1.5. Produces

- `application/json`

37.2. List worker tags

```
GET /api/azure/worker_tags/
```

37.2.1. Description

This endpoint returns a list of worker tags.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own worker tags.
* Root user can also get the worker tags of the managed users.
* Delegates can get the worker tags of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

37.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**key** *optional*	None	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * key * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * key * value	string
Query	**user** *optional*	ID of the owner user.	string

37.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_worker_tags_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_worker_tags_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
key *optional*		string
value *optional*		string

37.2.4. Produces

- `application/json`

37.3. Retrieve a worker tag

```
GET /api/azure/worker_tags/{id}/
```

37.3.1. Description

This endpoint returns the worker tag for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own worker tags.
* Root user can also get the worker tags of the managed users.
* Delegates can get the worker tags of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

37.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

37.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_worker_tags_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_worker_tags_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
key *optional*		string

Name	Description	Schema
value *optional*		string

37.3.4. Produces

- `application/json`

37.4. Update a worker tag

```
PUT /api/azure/worker_tags/{id}/
```

37.4.1. Description

This endpoint updates the worker tag for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own worker tags.
* Root user can also update worker tags for the managed users.
* Authenticated delegate user with `allowed_change_account` can update worker tags for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

37.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_worker_tags_update** *required*	data_azure_worker_tags_update

data_azure_worker_tags_update

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
key *required*		string
value *optional*		string

37.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_worker_tags_update
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_worker_tags_update

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
key *optional*		string
value *optional*		string

37.4.4. Consumes

- `application/json`

37.4.5. Produces

- `application/json`

37.5. Delete a worker tag

```
DELETE /api/azure/worker_tags/{id}/
```

37.5.1. Description

This endpoint deletes the worker tag for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own worker tags.
* Root user can also delete worker tags for the managed users.
* Authenticated delegate user with `allowed_change_account` can delete worker tags for his original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

37.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

37.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 38. Azure Workers

38.1. Create a worker configuration

```
POST /api/azure/workers/
```

38.1.1. Description

This endpoint creates a new worker configuration.

Permissions and Restrictions:
* Any authenticated user can create a new worker configuration for himself.
* Root user can also create a new worker configuration for the managed users.
* Authenticated delegate user with `allowed_change_account` can create a new worker configuration for his original user.
* Maximum number of allowed worker configurations is limited by the license.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

38.1.2. Parameters

Type	Name	Schema
Body	**data_azure_workers_create** *required*	data_azure_workers_create

data_azure_workers_create

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
location *required*		string

Name	Description	Schema
network_security_group *required*		string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
resource_group *required*		string
ssh_key *optional*		string
subnet *required*		string
subscription_id *required*		string
virtual_network *required*		string

38.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_azure_workers_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_workers_create

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
cloud *optional*		string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
last_modified *optional*	Modification time of the resource.	string
location *optional*		string
network_security_group *optional*		string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
resource_group *optional*		string
ssh_key *optional*		string
subnet *optional*		string
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer
virtual_network *optional*		string

38.1.4. Consumes

- `application/json`

38.1.5. Produces

- `application/json`

38.2. List worker configurations

```
GET /api/azure/workers/
```

38.2.1. Description

This endpoint returns a list of all worker configurations.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own worker configurations.
* Root user can also get the worker configurations of the managed users.
* Delegates can get the worker configurations of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

38.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * id * location * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**user** *optional*	ID of the owner user.	string

38.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_workers_list > array

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_workers_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
cloud *optional*		string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
location *optional*		string
network_security_group *optional*		string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
resource_group *optional*		string
ssh_key *optional*		string
subnet *optional*		string
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer
virtual_network *optional*		string

38.2.4. Produces

- `application/json`

38.3. Start a worker configuration test session

```
POST /api/azure/workers/{configuration_id}/test/
```

38.3.1. Description

This endpoint starts the worker configuration test for the worker configuration passed in the parameters.

Permissions and Restrictions:
* Any authenticated user can test his own worker configuration.
* Root user can also start a worker configuration test for the managed users.
* Authenticated delegate user with `allowed_change_account` can a test worker configuration for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

38.3.2. Parameters

Type	Name	Schema
Path	**configuration_id** *required*	string
Body	**data_azure_workers_test_create** *required*	data_azure_workers_test_create

data_azure_workers_test_create

Name	Description	Schema
ssh_test_run *optional*	Whether to run SSH test in this test session.	boolean

38.3.3. Responses

HTTP Code	Description	Schema
202	Accepted	response_azure_workers_test_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_workers_test_create

Name	Description	Schema
cloud *optional*		string
configuration *optional*	Worker test session worker configuration.	integer
connection_status *optional*	Worker test session connection to CPM status. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
end_time *optional*	Worker test session end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
session_status *optional*	The result of worker test session. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
ssh_test_run *optional*	Whether to run SSH test in this test session.	boolean
ssh_test_status *optional*	The result of the SSH test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
start_time *optional*	Worker test session start time.	string
test_session_fail_desc *optional*	Worker test session failure description.	string
worker *optional*	Worker test session worker instance.	integer

38.3.4. Consumes

- `application/json`

38.3.5. Produces

- application/json

38.4. List worker configuration test sessions

```
GET /api/azure/workers/{configuration_id}/test/
```

38.4.1. Description

This endpoint returns a list of all worker configuration test sessions for the ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own worker configuration test sessions.
* Root user can also get the worker configuration test sessions of the managed users.
* Delegates can get the worker configuration test sessions of their original user.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

38.4.2. Parameters

Type	Name	Description	Schema
Path	**configuration_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

38.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_workers_test_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_workers_test_list

Name	Description	Schema
cloud *optional*		string
configuration *optional*	Worker test session worker configuration.	integer
connection_status *optional*	Worker test session connection to CPM status. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
end_time *optional*	Worker test session end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
session_status *optional*	The result of worker test session. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
ssh_test_run *optional*	Whether to run SSH test in this test session.	boolean
ssh_test_status *optional*	The result of the SSH test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
start_time *optional*	Worker test session start time.	string
test_session_fail_desc *optional*	Worker test session failure description.	string
worker *optional*	Worker test session worker instance.	integer

38.4.4. Produces

- `application/json`

38.5. Retrieve a worker configuration test session

```
GET /api/azure/workers/{configuration_id}/test/{id}/
```

38.5.1. Description

This endpoint retrieves the worker configuration test session for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can retrieve his own worker configuration test session.
* Root user can also retrieve a worker configuration test session for the managed users.
* Authenticated delegate user with `allowed_change_account` can retrieve a test session worker configuration for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

38.5.2. Parameters

Type	Name	Schema
Path	**configuration_id** *required*	string
Path	**id** *required*	string

38.5.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_workers_test_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_workers_test_read

Name	Description	Schema
cloud *optional*		string

Name	Description	Schema
configuration *optional*	Worker test session worker configuration.	integer
connection_status *optional*	Worker test session connection to CPM status. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
end_time *optional*	Worker test session end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer
session_status *optional*	The result of worker test session. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
ssh_test_run *optional*	Whether to run SSH test in this test session.	boolean
ssh_test_status *optional*	The result of the SSH test. **Allowed Enum Values** * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
start_time *optional*	Worker test session start time.	string
test_session_fail_desc *optional*	Worker test session failure description.	string
worker *optional*	Worker test session worker instance.	integer

38.5.4. Produces

- `application/json`

38.6. List workers test session logs

```
GET /api/azure/workers/{configuration_id}/test/{id}/logs/
```

38.6.1. Description

This endpoint returns a list of all worker configuration test session logs.

Permissions and Restrictions:
* Any authenticated user can get his own worker configuration test session logs.
* Root user can get worker configuration test session logs for the managed users.
* Authenticated delegate user with `allowed_change_account` can get test session worker configuration logs for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

38.6.2. Parameters

Type	Name	Schema
Path	**configuration_id** *required*	string
Path	**id** *required*	string

38.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_azure_workers_test_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_azure_workers_test_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string

Name	Description	Schema
log_type *optional*	Severity of the logging.	string

38.6.4. Produces

- `application/json`
- `text/csv`

38.7. Retrieve a worker configuration

```
GET /api/azure/workers/{id}/
```

38.7.1. Description

This endpoint returns the worker configuration for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own worker configuration.
* Root user can also get the worker configuration of the managed users.
* Delegates can get the worker configuration of their original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

38.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

38.7.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_workers_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_workers_read

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
cloud *optional*		string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string

Name	Description	Schema
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
location *optional*		string
network_security_group *optional*		string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
resource_group *optional*		string
ssh_key *optional*		string
subnet *optional*		string
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer
virtual_network *optional*		string

38.7.4. Produces

- `application/json`

38.8. Update worker configuration

```
PUT /api/azure/workers/{id}/
```

38.8.1. Description

This endpoint updates the worker configuration for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own worker configuration.
* Root user can also update a worker configuration for the managed users.
* Authenticated delegate user with `allowed_change_account` can update a worker configuration for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

38.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_azure_workers_update** *required*	data_azure_workers_update

data_azure_workers_update

Name	Description	Schema
account *required*	ID of the account this resource is associated with.	integer
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_password_encrypted *optional*	Proxy password if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string
location *required*		string

Name	Description	Schema
network_security_group *required*		string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
resource_group *required*		string
ssh_key *optional*		string
subnet *required*		string
subscription_id *required*		string
virtual_network *required*		string

38.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_azure_workers_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_azure_workers_update

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
cloud *optional*		string
http_proxy_address *optional*	Proxy address if network access via http proxy on worker configuration.	string
http_proxy_port *optional*	Proxy port if network access via http proxy on worker configuration.	integer
http_proxy_user_name *optional*	Proxy user name if network access via http proxy on worker configuration.	string

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
location *optional*		string
network_security_group *optional*		string
requires_http_proxy *optional*	Specify if network access via http proxy on worker configuration.	boolean
resource_group *optional*		string
ssh_key *optional*		string
subnet *optional*		string
subscription_id *optional*		string
user *optional*	ID of the owner user.	integer
virtual_network *optional*		string

38.8.4. Consumes

- `application/json`

38.8.5. Produces

- `application/json`

38.9. Delete a worker configuration

```
DELETE /api/azure/workers/{id}/
```

38.9.1. Description

This endpoint deletes the worker configuration for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own worker configuration.
* Root user can also delete a worker configuration for the managed users.
* Authenticated delegate user with `allowed_change_account` can a delete worker configuration for his original user.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

38.9.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

38.9.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

Chapter 39. Cluster

39.1. List N2WS cluster nodes

```
GET /api/cluster/nodes/
```

39.1.1. Description

This endpoint returns a list of N2WS cluster nodes.
This endpoint is relevant only in case of cluster configuration.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Only the Root user the Root user's delegates can fetch the cluster nodes list.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

39.1.2. Parameters

Type	Name	Description	Schema
Query	**alive_time_gte** *optional*	Cluster nodes with time of last indication of cluster node being alive greater than or equal given time.	string
Query	**alive_time_lte** *optional*	Cluster nodes with time of last indication of cluster node being alive less than or equal given time.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * alive_time	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * machine_id	string

39.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_cluster_nodes_list > array
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content

response_cluster_nodes_list

Name	Description	Schema
alive_time *optional*	Time of last indication of cluster node being alive.	string
id *optional*	Unique ID of the resource in N2WS.	integer
machine_id *optional*	AWS Instance ID of the cluster node.	string

39.1.4. Produces

- `application/json`

39.2. List N2WS cluster tasks

```
GET /api/cluster/tasks/
```

39.2.1. Description

This endpoint returns a list of N2WS cluster tasks.
This endpoint is relevant only in case of cluster configuration.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Only the Root user the Root user's delegates can fetch the cluster tasks list.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

39.2.2. Parameters

Type	Name	Description	Schema
Query	**handling_node** *optional*	Id of the node handling this task.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * creation_time * end_time * start_time	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy_id** *optional*	Id of policy with which this task is associated (if relevant to this task type)	number
Query	**status** *optional*	The task's status.	string
Query	**task_name** *optional*	The cluster task's name.	string

39.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_cluster_tasks_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_cluster_tasks_list

Name	Description	Schema
backup_id *optional*		integer
creation_time *optional*	The task's creation time.	string
end_time *optional*	The task's end time	string
handling_node *optional*	Id of the node handling this task.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
policy_id *optional*	Id of policy with which this task is associated (if relevant to this task type)	integer
policy_name *optional*	Name of policy with which this task is associated (if relevant to this task type)	string
start_after *optional*	Time till which to delay the task execution.	string
start_time *optional*	The task's start time.	string
status *optional*	The task's status. **Allowed Enum Values** * W (Waiting) * P (In Progress) * D (Done) * T (Timed Out)	enum (W, P, D, T)
task_name *optional*	The cluster task's name. **Allowed Enum Values** * CLUSTER_TASK_BACKUP_AWS (AWS Policy Backup) * CLUSTER_TASK_CLEANUP_AWS (AWS Policy Cleanup) * CLUSTER_TASK_BACKUP_AZURE (Azure Policy Backup)	enum (CLUSTER_TASK_BACKUP_AWS, CLUSTER_TASK_CLEANUP_AWS, CLUSTER_TASK_BACKUP_AZURE)

39.2.4. Produces

- application/json

Chapter 40. Delegates

40.1. Create a N2WS delegate user

```
POST /api/delegates/
```

40.1.1. Description

This endpoint creates a new N2WS delegate user.

Permissions and Restrictions:
* Only the root user can create a new N2WS user.
* Delegate users cannot be created for users authenticated via an external identity provider.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.5.0`

40.1.2. Parameters

Type	Name	Schema
Body	**data_delegates_create** *required*	data_delegates_create

data_delegates_create

Name	Description	Schema
email *optional*	Email address.	string
password *required*	Password to authenticate with.	string
profile *required*	User profile.	data_delegates_create_profile
username *required*	Name can only contain alphanumeric characters, underscore and dash.	string

data_delegates_create_profile

Name	Description	Schema
allow_account_changes *optional*	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean

Name	Description	Schema
allow_backup_changes *optional*	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
allow_recovery *optional*	If set, the user has permission to perform recovery operations.	boolean
allow_settings_changes *optional*	If set, the user has permission to change N2WS settings.	boolean
original_user *required*	ID of the user whose environment this delegate can access.	integer
password_creation_date *optional*		string

40.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_delegates_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_delegates_create

Name	Description	Schema
email *optional*	Email address.	string
id *optional*	Unique ID of the resource in N2WS.	integer
mfa_method *optional*	**Allowed Enum Values** * D (disabled) * E (email) * G (generator)	enum (D, E, G)
num_accounts *optional*	Number of associated accounts.	integer
num_frozen_items *optional*		integer
num_policies *optional*	Number of associated policies.	integer

Name	Description	Schema
profile *optional*	User profile.	response_delegates_create_profile
user_type *optional*	Type of current user.	string
username *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

response_delegates_create_profile

Name	Description	Schema
allow_account_changes *optional*	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
allow_backup_changes *optional*	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
allow_recovery *optional*	If set, the user has permission to perform recovery operations.	boolean
allow_settings_changes *optional*	If set, the user has permission to change N2WS settings.	boolean
domain_name *optional*	Domain name of the external identity provider.	string
is_external_authentication *optional*	If set, the user is authenticated by an external identity provider.	boolean
original_user *optional*	ID of the user whose environment this delegate can access.	integer
password_creation_date *optional*		string

40.1.4. Consumes

- `application/json`

40.1.5. Produces

- `application/json`

40.2. List N2WS delegate users

```
GET /api/delegates/
```

40.2.1. Description

This endpoint returns a list of N2WS delegate users.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Only the root user can get the list of N2WS delegate users.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.5.0`

40.2.2. Parameters

Type	Name	Description	Schema
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * original_user * username	string
Query	**original_user** *optional*	ID of the user whose environment this delegate can access.	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * username * username of original user	string

40.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_delegates_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_delegates_list

Name	Description	Schema
email *optional*	Email address.	string
id *optional*	Unique ID of the resource in N2WS.	integer
mfa_method *optional*	**Allowed Enum Values** * D (disabled) * E (email) * G (generator)	enum (D, E, G)
num_accounts *optional*	Number of associated accounts.	integer
num_frozen_items *optional*		integer
num_policies *optional*	Number of associated policies.	integer
profile *optional*	User profile.	response_delegates_list_profile
user_type *optional*	Type of current user.	string
username *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

response_delegates_list_profile

Name	Description	Schema
allow_account_changes *optional*	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
allow_backup_changes *optional*	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
allow_recovery *optional*	If set, the user has permission to perform recovery operations.	boolean
allow_settings_changes *optional*	If set, the user has permission to change N2WS settings.	boolean
domain_name *optional*	Domain name of the external identity provider.	string
is_external_authentication *optional*	If set, the user is authenticated by an external identity provider.	boolean

Name	Description	Schema
original_user *optional*	ID of the user whose environment this delegate can access.	integer
password_creation_date *optional*		string

40.2.4. Produces

- `application/json`

40.3. Retrieve a N2WS delegate user

```
GET /api/delegates/{id}/
```

40.3.1. Description

This endpoint returns the N2WS delegate user whose ID is passed in the URL path.

Permissions and Restrictions:
* Only the root user can get the requested N2WS delegate user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.5.0`

40.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

40.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_delegates_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_delegates_read

Name	Description	Schema
email *optional*	Email address.	string
id *optional*	Unique ID of the resource in N2WS.	integer
mfa_method *optional*	**Allowed Enum Values** * D (disabled) * E (email) * G (generator)	enum (D, E, G)

Name	Description	Schema
num_accounts *optional*	Number of associated accounts.	integer
num_frozen_items *optional*		integer
num_policies *optional*	Number of associated policies.	integer
profile *optional*	User profile.	response_delegates_read_profile
user_type *optional*	Type of current user.	string
username *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

response_delegates_read_profile

Name	Description	Schema
allow_account_changes *optional*	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
allow_backup_changes *optional*	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
allow_recovery *optional*	If set, the user has permission to perform recovery operations.	boolean
allow_settings_changes *optional*	If set, the user has permission to change N2WS settings.	boolean
domain_name *optional*	Domain name of the external identity provider.	string
is_external_authentication *optional*	If set, the user is authenticated by an external identity provider.	boolean
original_user *optional*	ID of the user whose environment this delegate can access.	integer
password_creation_date *optional*		string

40.3.4. Produces

- `application/json`

40.4. Update a N2WS delegate user

```
PUT /api/delegates/{id}/
```

40.4.1. Description

This endpoint updates the N2WS delegate user whose ID is passed in the URL path.

Permissions and Restrictions:
* Only the root user can update other N2WS delegate users.
* Delegate users authenticated via an external identity provider cannot be updated.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.5.0`

40.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_delegates_update** *required*	data_delegates_update

data_delegates_update

Name	Description	Schema
email *optional*	Email address.	string
profile *required*	User profile.	data_delegates_update_profile

data_delegates_update_profile

Name	Description	Schema
allow_account_changes *optional*	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
allow_backup_changes *optional*	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean

Name	Description	Schema
allow_recovery *optional*	If set, the user has permission to perform recovery operations.	boolean
allow_settings_changes *optional*	If set, the user has permission to change N2WS settings.	boolean
password_creation_date *optional*		string

40.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_delegates_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_delegates_update

Name	Description	Schema
email *optional*	Email address.	string
id *optional*	Unique ID of the resource in N2WS.	integer
mfa_method *optional*	**Allowed Enum Values** * D (disabled) * E (email) * G (generator)	enum (D, E, G)
num_accounts *optional*	Number of associated accounts.	integer
num_frozen_items *optional*		integer
num_policies *optional*	Number of associated policies.	integer
profile *optional*	User profile.	response_delegates_update_profile
user_type *optional*	Type of current user.	string

Name	Description	Schema
username *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

response_delegates_update_profile

Name	Description	Schema
allow_account_changes *optional*	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
allow_backup_changes *optional*	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
allow_recovery *optional*	If set, the user has permission to perform recovery operations.	boolean
allow_settings_changes *optional*	If set, the user has permission to change N2WS settings.	boolean
domain_name *optional*	Domain name of the external identity provider.	string
is_external_authentication *optional*	If set, the user is authenticated by an external identity provider.	boolean
original_user *optional*	ID of the user whose environment this delegate can access.	integer
password_creation_date *optional*		string

40.4.4. Consumes

- `application/json`

40.4.5. Produces

- `application/json`

40.5. Delete a N2WS delegate user

```
DELETE /api/delegates/{id}/
```

40.5.1. Description

This endpoint deletes the N2WS delegate user whose ID is passed in the URL path. All the associated N2WS accounts of the deleted user will **be deleted** as well.

Permissions and Restrictions:
* Only the root user can delete other N2WS delegate users.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

40.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

40.5.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

40.6. Reset a N2WS delegate user password

```
POST /api/delegates/{id}/reset_password/
```

40.6.1. Description

Reset password of the user whose ID is passed in the URL path.

Permissions and Restrictions:
* Only the root user can reset password of another N2WS user.
* Root user cannot reset password for himself.
* Password of users authenticated via an external identity provider cannot be reset.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

40.6.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_delegates_reset_password** *required*	data_delegates_reset_password

data_delegates_reset_password

Name	Description	Schema
new_password *required*	New password to set.	string

40.6.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

40.6.4. Consumes

- application/json

Chapter 41. Freezer

41.1. List N2WS freezer records

```
GET /api/freezer/
```

41.1.1. Description

This endpoint returns a list of N2WS freezer records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own freezer records.
* Root user can also get the freezer records of the managed users.
* Delegates can get the backup records of their original user.



This endpoint is deprecated and will be removed in future release.
Use `GET /api/backups/?is_freezer_item=true` instead.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`
- ***Deprecated since:*** `1.1.0`

41.1.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * dr_status * dr_status * name * policy * start_time * status * status * user	string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * name * description	string
Query	**user** *optional*	ID of the owner user.	string

41.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_freezer_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_freezer_list

Name	Description	Schema
account *optional*	ID of the account this backup is associated with.	integer
description *optional*	Description for the resource.	string
dr_account_regions *optional*	Target regions in the DR account to copy to. Can be one or multiple regions.	string
dr_regions *optional*	DR region.	string
dr_status *optional*	Backup's DR status. **Allowed Enum Values** * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
end_time *optional*	Backup's end time.	string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
is_retry *optional*	Whether this backup is a retry attempt or not.	boolean
marked_for_deletion *optional*	Whether this backup is marked for deletion or not.	boolean
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
performed_quiecse *optional*	Whether quiesce was performed or not.	boolean
policy *optional*	Policy that the backup is associated with.	integer
retry_scheduled *optional*	Whether a retry is scheduled to be performed or not.	boolean
start_time *optional*	Backup's start time.	string
status *optional*	Backup's status. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Backup Successful) * A (Backup Partially Successful) * S (Not All Snapshots Succeeded) * D (All Snapshots Deleted) * F (Backup Failed) * M (Moved to storage repository) * G (Moved to archive within storage repository)	enum (I, P, B, A, S, D, F, M, G)
user *optional*	ID of the owner user.	integer

41.1.4. Produces

- `application/json`

Chapter 42. Reports

42.1. Audit report

```
GET /api/reports/audit/
```

42.1.1. Description

This endpoint returns a list of user audit records.

Optional `filters`, `sorting`, `search` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Only an admin user can access this API.
* An admin user can view the audit records of all users (root, managed, independent, delegates).

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

42.1.2. Parameters

Type	Name	Description	Schema
Query	**event_type** *optional*	Type of the event.	string
Query	**from_time** *optional*	Time from which to display events.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * event_time * source_ip * username	string
Query	**original_user** *optional*	If the user is of type 'delegate', this field will contain the username of the user for whom this user is a delegate. Otherwise, it will contain this user's username. For media type `text/csv`, a 'Delegate of' column will be included in the response instead and will contain the value 'N/A' if the user is not of type 'delegate'. For media type `text/csv`, when the 'username' filter is applied, neither 'original_user' nor 'Delegate of' will be included.	string

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * log	string
Query	**source_ip** *optional*	None	string
Query	**to_time** *optional*	Time until which to display events.	string
Query	**user** *optional*	User's user ID. Deprecated - use `user` instead.	string
Query	**user_id** *optional*	User's user ID. Deprecated - use `user` instead.	string
Query	**username** *optional*	User's username. For media type `text/csv`, this column will not be included when the 'username' filter is applied.	string

42.1.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_audit_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_audit_list

Name	Description	Schema
event_time *optional*	Event time.	string
event_type *optional*	Type of the event.	string
log *optional*	Logged text.	string

Name	Description	Schema
original_user *optional*	If the user is of type 'delegate', this field will contain the username of the user for whom this user is a delegate. Otherwise, it will contain this user's username. For media type `text/csv`, a 'Delegate of' column will be included in the response instead and will contain the value 'N/A' if the user is not of type 'delegate'. For media type `text/csv`, when the 'username' filter is applied, neither 'original_user' nor 'Delegate of' will be included.	string
source_ip *optional*		string
user_type *optional*	User type (root/managed/independent/delegate). For media type `text/csv`, this column will not be included when the 'username' filter is applied.	string
username *optional*	User's username. For media type `text/csv`, this column will not be included when the 'username' filter is applied.	string

42.1.4. Produces

- `application/json`
- `text/csv`

42.2. Backup report

```
GET /api/reports/backups/
```

42.2.1. Description

This endpoint returns a list of backup report items.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own backups.
* Root user and his delegates can also get the backups of the managed users.
* Delegates can get the backups of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

42.2.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Name of the account this backup is associated with.	string
Query	**backup_id** *optional*	ID of the backup record.	number
Query	**dr_status** *optional*	Backup's DR status.	string
Query	**freezer_items** *optional*	None	string
Query	**from_time** *optional*	Return records of backups which started after this time.	string
Query	**is_retry** *optional*	Is this backup a retry attempt.	string

Type	Name	Description	Schema
Query	**marked_for_deletion** *optional*	Is this backup marked for deletion.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account_name * backup_id * dr_status * end_time * is_retry * marked_for_deletion * policy_name * start_time * status * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**policy_name** *optional*	Name of the policy this backup is associated with.	string
Query	**status** *optional*	Backup status.	string
Query	**to_time** *optional*	Return records of backups which started before this time.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Username of the user this backup is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user	string

42.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_backups_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_backups_list

Name	Description	Schema
account_name *optional*	Name of the account this backup is associated with.	string
archive_status *optional*		string
aws_account_number *optional*	AWS account number of this backup account.	string
backup_id *optional*	ID of the backup record.	string
dr_status *optional*	Backup's DR status. **Allowed Enum Values** * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
end_time *optional*	Backup's end time. For media type `application/json`, the date/time returned is UTC. For `text/csv`, it is the server time.	string
freezer *optional*	Flag whether the item is in freezer.	boolean
import_s3 *optional*	Backup's snapshots were not generated by N2WS and were imported to s3.	boolean
is_retry *optional*	Is this backup a retry attempt.	boolean
marked_for_deletion *optional*	Is this backup marked for deletion.	boolean
marked_for_deletion_from_s3 *optional*		boolean
policy_name *optional*	Name of the policy this backup is associated with.	string
s3_copy_status *optional*	S3 Copy status (license dependent).	string
start_time *optional*	Backup's start time. For media type `application/json`, the date/time returned is UTC. For `text/csv`, it is the server time.	string

Name	Description	Schema
status *optional*	Backup status. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Backup Successful) * A (Backup Partially Successful) * S (Not All Snapshots Succeeded) * D (All Snapshots Deleted) * F (Backup Failed) * M (Moved to storage repository) * G (Moved to archive within storage repository)	enum (I, P, B, A, S, D, F, M, G)
status_before_deletion *optional*	Backup's status before its native snapshots were deleted. **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Backup Successful) * A (Backup Partially Successful) * S (Not All Snapshots Succeeded) * D (All Snapshots Deleted) * F (Backup Failed) * M (Moved to storage repository) * G (Moved to archive within storage repository)	enum (I, P, B, A, S, D, F, M, G)
username *optional*	Username of the user this backup is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user	string

42.2.4. Produces

- `application/json`
- `text/csv`

42.3. Protected resources report

```
GET /api/reports/protected_resources/
```

42.3.1. Description

This endpoint returns a list of protected resource records.

Optional `filters` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get records of his own instances.
* Root user and his delegates can also get records of all other users.
* Delegates can get the snapshots of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

42.3.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

42.3.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_protected_resources_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_protected_resources_list

Name	Description	Schema
account_name *optional*	Associated account's name.	string
aws_region *optional*	Associated region.	string
aws_resource_id *optional*	ID of the resource in AWS.	string
aws_resource_name *optional*	Instance's AWS name if an EC2 instance, otherwise 'null'.	string
policies *optional*	Policies covering this resource.	< string > array
resource_type *optional*	'instance'/'independent_volume'/'rds'/'aurora'/'redshift'.	string
schedules *optional*	Schedules covering this resource.	< string > array
username *optional*	Associated user's username.	string

42.3.4. Produces

- `application/json`
- `text/csv`

42.4. Protected RDS database configurations report

```
GET /api/reports/protected_resources/rds_databases/config/
```

42.4.1. Description

This endpoint returns the configuration section of all protected RDS database records.

Optional `filters` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get records of his own instances.
* Root user and his delegates can also get records of all other users.
* Delegates can get the records of their original user.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.0.0`

42.4.2. Parameters

Type	Name	Description	Schema
Query	**aws_dbinstance_id** *required*	None	string
Query	**aws_region** *required*	Associated region.	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

42.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_protected_resources_rds_databases_config_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_protected_resources_rds_databases_config_list

Name	Description	Schema
aws_dbinstance_id *optional*		string
aws_region *optional*	Associated region.	string
connection_password *optional*		string
connection_usr *optional*		string
using_iam_role_authentication *optional*		boolean
worker_aws_key_pair *optional*	AWS Key pair to use when launching worker for schema collection	string
worker_aws_security_group *optional*	AWS Security group to use when launching worker for schema collection	string
worker_aws_subnet *optional*	AWS VPC Subnet to use when launching worker for schema collection	string
worker_aws_vpc *optional*	AWS VPC to use when launching worker for schema collection	string
worker_http_proxy_address *optional*	Address of HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_password *optional*	Password for HTTP Proxy used by the worker launched for schema collection	string
worker_http_proxy_port *optional*	Port of HTTP Proxy used by the worker launched for schema collection	integer
worker_http_proxy_user_name *optional*	Username for HTTP Proxy used by the worker launched for schema collection	string
worker_requires_http_proxy *optional*	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean

42.4.4. Produces

- `application/json`

42.5. Resource Control operations report

```
GET /api/reports/resource_control_operations/
```

42.5.1. Description

This endpoint returns a list of Resource Control operations report items.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own operations.
* Root user and his delegates can also get the operations of the managed users.
* Delegates can get the operations of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.0.0`

42.5.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Name of the account this operation is associated with.	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**group_name** *optional*	Name of the Resource Control group this operation is associated with.	string
Query	**marked_for_deletion** *optional*	Is this Resource Control operation marked for deletion.	string

Type	Name	Description	Schema
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account_name * end_time * group_name * marked_for_deletion * rc_operation_id * start_time * status * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**rc_operation_id** *optional*	ID of the Resource Control operation record.	number
Query	**status** *optional*	Resource Control operation status	string
Query	**to_time** *optional*	Time until which to display reports.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Username of the user this Resource Control operation is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user	string

42.5.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_resource_control_operations_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_resource_control_operations_list

Name	Description	Schema
account_name *optional*	Name of the account this operation is associated with.	string

Name	Description	Schema
aws_account_number *optional*	AWS account number of this backup account	string
end_time *optional*	Resource Control operation end time. For media type `application/json`, the date/time returned is UTC. For `text/csv`, it is the server time.	string
group_name *optional*	Name of the Resource Control group this operation is associated with.	string
marked_for_deletion *optional*	Is this Resource Control operation marked for deletion.	boolean
rc_operation_id *optional*	ID of the Resource Control operation record.	string
start_time *optional*	Resource Control operation start time. For media type `application/json`, the date/time returned is UTC. For `text/csv`, it is the server time.	string
status *optional*	Resource Control operation status **Allowed Enum Values** * I (Initializing) * P (In Progress) * B (Operation Successful) * A (Operation Partially Successful) * S (Operation Partially Successful) * F (Operation Failed)	enum (I, P, B, A, S, F)
username *optional*	Username of the user this Resource Control operation is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user	string

42.5.4. Produces

- `application/json`
- `text/csv`

42.6. Snapshots report

```
GET /api/reports/snapshots/
```

42.6.1. Description

This endpoint returns a list of snapshot records.

Optional `filters` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own snapshots.
* Root user and his delegates can also get the snapshots of managed users.
* Delegates can get the snapshots of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* Supported parameters for media type `text/csv`: `account`, `from_time`, `to_time`.

- *Initial Release:* `2.0.0`
- *Last Modified Version:* `2.2.0`

42.6.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**freezer_items** *optional*	None	string
Query	**from_time** *optional*	Include snapshots belonging to backups which started from this time forward.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**to_time** *optional*	Include snapshots belonging to backups which started up until this time.	string

42.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_snapshots_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_snapshots_list

Name	Description	Schema
account_name *optional*	Associated account name.	string
aws_account_number *optional*	Associated account's AWS account number.	string
backed_up_resource_id *optional*	Backed-up resource's AWS ID.	string
backed_up_resource_name *optional*	Backed-up resource's name.	string
backup_id *optional*	Backup's ID.	string
cbt_changed_size_mb *optional*		integer
cbt_valid_size_mb *optional*		integer
deletion_time *optional*	Time of the snapshot's deletion.	string
end_time *optional*	Snapshot's end time.	string
import_s3 *optional*	Snapshot was not generated by N2WS and was imported to s3.	boolean
instance_id *optional*	EC2 instance's ID if an attached volume, otherwise 'null'.	string
instance_name *optional*	EC2 instance's name if an attached volume, otherwise 'null'.	string
policy_name *optional*	Associated policy name.	string
region *optional*	Snapshot's region ID.	string
snapshot_account_name *optional*	Name of the account in which the snapshot was created.	string

Name	Description	Schema
snapshot_aws_account_number *optional*	AWS account number of the account in which the snapshot was created.	string
snapshot_id *optional*	Snapshot's AWS ID.	string
snapshot_type *optional*	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
start_time *optional*	Backup's start time.	string
status *optional*	Backup status.	string
succeeded *optional*	'true' if the snapshot succeeded, otherwise 'false'.	boolean
username *optional*	Associated user's username.	string

42.6.4. Produces

- `application/json`
- `text/csv`

42.7. Summary report

```
GET /api/reports/summary/
```

42.7.1. Description

This endpoint creates a summary report in PDF format.

Optional `filters` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can create this report for his resources.

PDF Media Type:
* `application/pdf` media type is the only one supported for this endpoint.
* `page` and `page_size` parameters are not supported.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

42.7.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**period_length** *optional*	Period length of summary report.	number
Query	**period_type** *optional*	Period type (week/month) of summary report.	string
Query	**username** *optional*	Name of the owner user.	string

42.7.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_summary_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_summary_list

Name	Description	Schema
account *optional*	ID of the account this resource is associated with.	integer
account_name *optional*		string
accounts *optional*		integer
azure_account *optional*		integer
backup_dr_fail_num *optional*		integer
backup_dr_success_num *optional*		integer
backup_fail_num *optional*		integer
backup_partial_num *optional*		integer
backup_s3_fail_num *optional*		integer
backup_s3_partial_num *optional*		integer
backup_s3_success_num *optional*		integer
backup_success_num *optional*		integer
cloud *optional*		string
cost_explorer *optional*		string
cost_savings *optional*		string
is_user_managed *optional*		boolean

Name	Description	Schema
managed_snapshots *optional*		integer
period_length *optional*	Period length of summary report.	integer
period_type *optional*	Period type (week/month) of summary report. **Allowed Enum Values** * W (Week) * M (Month)	enum (W, M)
policies *optional*		integer
protected_resources *optional*		integer
user *optional*	ID of the owner user.	integer
user_name *optional*		string
volumes_above_high_watermark_num *optional*		integer
volumes_below_low_watermark_num *optional*		integer
volumes_usage_percentage_num *optional*		integer

42.7.4. Produces

- `application/pdf`

42.8. Account usage report

```
GET /api/reports/usage/
```

42.8.1. Description

This endpoint returns a list of account usage records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-Instance Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.



This endpoint is deprecated and will be removed in future release.
Use `GET /api/reports/usage/summary/` or `GET /api/reports/usage/detailed/` instead.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`
- ***Deprecated since:*** `1.3.0`

42.8.2. Parameters

Type	Name	Description	Schema
Query	**account_name** *optional*	Name of the account.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**username** *optional*	Username of the user this account is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user.	string

42.8.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_usage_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_usage_list

Name	Description	Schema
account_name *optional*	Name of the account.	string
num_controlled_entities *optional*	Number of entities under this account which are controlled by N2WS.	integer
num_efs *optional*	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	integer
num_fsx *optional*	Number of FSx systems under this account which are protected by N2WS.	integer
num_gib_of_dynamo_db *optional*	Number of DynamoDB GiB under this account which are protected by N2WS.	integer
num_gib_of_efs *optional*	Number of Elastic File Systems (EFS) GiB under this account which are protected by N2WS.	integer
num_gib_of_fsx *optional*	Number of FSx GiB under this account which are protected by N2WS.	integer
num_gib_of_independent_volumes *optional*	Number of independent volume GiB under this account which are protected by N2WS.	integer
num_gib_of_rds *optional*	Number of RDS GiB under this account which are protected by N2WS.	integer
num_gib_of_redshift *optional*	Number of Redshift GiB under this account which are protected by N2WS.	integer
num_instances *optional*	Number of instances under this account which are protected by N2WS.	integer

Name	Description	Schema
username *optional*	Username of the user this account is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user.	string

42.8.4. Produces

- `application/json`
- `text/csv`

42.9. Anonymized account usage report

```
GET /api/reports/usage/anonymized/
```

42.9.1. Description

This endpoint returns a list of the anonymized account usage records.

Permissions and Restrictions:
* Only root user and his delegates are permitted access to this report.
* Root user and his delegates get the usage records of all users (root, managed and independent).

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-Instance Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `2.0.0`

42.9.2. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_usage_anonymized_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_usage_anonymized_list

Name	Description	Schema
account_id *optional*	ID of the account.	string
controlled_entities *optional*	Number of entities under this account which are controlled by N2WS.	integer
num_efs *optional*	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	integer
num_fsx *optional*		integer

Name	Description	Schema
num_gib_of_dynamo_db *optional*	Number of DynamoDB GiB under this account which are protected by N2WS.	integer
num_gib_of_efs *optional*		integer
num_gib_of_fsx *optional*		integer
num_gib_of_independent_volumes *optional*	Number of independent volume GiB under this account which are protected by N2WS.	integer
num_gib_of_rds *optional*	Number of RDS GiB under this account which are protected by N2WS.	integer
num_gib_of_redshift *optional*	Number of Redshift GiB under this account which are protected by N2WS.	integer
num_instances *optional*	Number of instances under this account which are protected by N2WS.	integer
user_id *optional*	ID of the user this account is associated with.	string

42.9.3. Produces

- `application/json`
- `text/csv`

42.10. User/Account detailed usage reports

```
GET /api/reports/usage/detailed/
```

42.10.1. Description

This endpoint returns a list of user/account usage records. The usages of user's accounts are detailed.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-Instance Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.0.0`

42.10.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Name of the account.	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**to_time** *optional*	Time until which to display reports.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Name of the user.	string

42.10.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_usage_detailed_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_usage_detailed_list

Name	Description	Schema
account_id *optional*	ID of the account.	integer
account_name *optional*	Name of the account.	string
capturing_vpcs *optional*	Protecting VPCs under this account, by VPCs capturing.	boolean
num_controlled_entities *optional*	Number of entities under this account which are controlled by N2WS.	string
num_efs *optional*	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	string
num_fsx *optional*	Number of FSx systems under this account which are protected by N2WS.	string
num_gib_of_dynamo_db *optional*	Number of DynamoDB GiB under this account which are protected by N2WS.	string
num_gib_of_efs *optional*	Number of Elastic File Systems (EFS) GiB under this account which are protected by N2WS.	string
num_gib_of_fsx *optional*	Number of FSx GiB under this account which are protected by N2WS.	string

Name	Description	Schema
num_gib_of_independent_volumes *optional*	Number of independent volume GiB under this account which are protected by N2WS.	string
num_gib_of_rds *optional*	Number of RDS GiB under this account which are protected by N2WS.	string
num_gib_of_redshift *optional*	Number of Redshift GiB under this account which are protected by N2WS.	string
num_gib_of_sap_hana *optional*		string
num_instances *optional*	Number of instances under this account which are protected by N2WS.	string
num_instances_dr *optional*	Number of instances under this account which are protected by N2WS DR policies.	string
num_instances_s3 *optional*	Number of instances under this account which are protected by N2WS S3 policies.	string
report_time *optional*	The date of the report.	string
scanning_tags *optional*	Protecting entities under this account, by backup tags scanning.	boolean
total_non_instance_storage *optional*	Total number of non-instance storage GiB under this account which are protected by N2WS.	string
user_id *optional*	ID of the user this account is associated with.	integer
username *optional*	Name of the user.	string

42.10.4. Produces

- `application/json`
- `text/csv`

42.11. User/Account detailed anonymous usage reports

```
GET /api/reports/usage/detailed/anonymous/
```

42.11.1. Description

This endpoint returns a list of user/account anonymous usage records. The usages of user's accounts are detailed.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-Instance Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.0.0`

42.11.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the account this resource is associated with.	string
Query	**account_name** *optional*	Name of the account.	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account * account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**to_time** *optional*	Time until which to display reports.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Name of the user.	string

42.11.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_usage_detailed_anonymous_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_usage_detailed_anonymous_list

Name	Description	Schema
account_id *optional*	ID of the account.	integer
account_name *optional*	Name of the account.	string
capturing_vpcs *optional*	Protecting VPCs under this account, by VPCs capturing.	boolean
num_controlled_entities *optional*	Number of entities under this account which are controlled by N2WS.	string
num_efs *optional*	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	string
num_fsx *optional*	Number of FSx systems under this account which are protected by N2WS.	string
num_gib_of_dynamo_db *optional*	Number of DynamoDB GiB under this account which are protected by N2WS.	string
num_gib_of_efs *optional*	Number of Elastic File Systems (EFS) GiB under this account which are protected by N2WS.	string
num_gib_of_fsx *optional*	Number of FSx GiB under this account which are protected by N2WS.	string

Name	Description	Schema
num_gib_of_independent_volumes *optional*	Number of independent volume GiB under this account which are protected by N2WS.	string
num_gib_of_rds *optional*	Number of RDS GiB under this account which are protected by N2WS.	string
num_gib_of_redshift *optional*	Number of Redshift GiB under this account which are protected by N2WS.	string
num_gib_of_sap_hana *optional*		string
num_instances *optional*	Number of instances under this account which are protected by N2WS.	string
num_instances_dr *optional*	Number of instances under this account which are protected by N2WS DR policies.	string
num_instances_s3 *optional*	Number of instances under this account which are protected by N2WS S3 policies.	string
report_time *optional*	The date of the report.	string
scanning_tags *optional*	Protecting entities under this account, by backup tags scanning.	boolean
total_non_instance_storage *optional*	Total number of non-instance storage GiB under this account which are protected by N2WS.	string
user_id *optional*	ID of the user this account is associated with.	integer
username *optional*	Name of the user.	string

42.11.4. Produces

- `application/json`
- `text/csv`

42.12. User/Account summary usage reports

```
GET /api/reports/usage/summary/
```

42.12.1. Description

This endpoint returns a list of user/account usage records. The usages of user's accounts are summarised.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-Instance Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `2.0.0`

42.12.2. Parameters

Type	Name	Description	Schema
Query	**account_name** *optional*	Name of the account.	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**to_time** *optional*	Time until which to display reports.	string

Type	Name	Description	Schema
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Name of the user.	string

42.12.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_usage_summary_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_usage_summary_list

Name	Description	Schema
capturing_vpcs *optional*	Protecting VPCs under this account, by VPCs capturing.	boolean
num_controlled_entities *optional*	Number of entities under this account which are controlled by N2WS.	string
num_efs *optional*	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	string
num_fsx *optional*	Number of FSx systems under this account which are protected by N2WS.	string
num_gib_of_dynamo_db *optional*	Number of DynamoDB GiB under this account which are protected by N2WS.	string
num_gib_of_efs *optional*	Number of Elastic File Systems (EFS) GiB under this account which are protected by N2WS.	string
num_gib_of_fsx *optional*	Number of FSx GiB under this account which are protected by N2WS.	string
num_gib_of_independent_volumes *optional*	Number of independent volume GiB under this account which are protected by N2WS.	string
num_gib_of_rds *optional*	Number of RDS GiB under this account which are protected by N2WS.	string
num_gib_of_redshift *optional*	Number of Redshift GiB under this account which are protected by N2WS.	string
num_instances *optional*	Number of instances under this account which are protected by N2WS.	string

Name	Description	Schema
num_instances_dr *optional*	Number of instances under this account which are protected by N2WS DR policies.	string
num_instances_s3 *optional*	Number of instances under this account which are protected by N2WS S3 policies.	string
report_time *optional*	The date of the report.	string
scanning_tags *optional*	Protecting entities under this account, by backup tags scanning.	boolean
total_non_instance_storage *optional*	Total number of non-instance storage GiB under this account which are protected by N2WS.	string
user_id *optional*	ID of the user.	integer
username *optional*	Name of the user.	string

42.12.4. Produces

- `application/json`
- `text/csv`

42.13. User/Account anonymous summary usage reports

```
GET /api/reports/usage/summary/anonymous/
```

42.13.1. Description

This endpoint returns a list of user/account anonymous usage records. The usages of user's accounts are summarised.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own usage records.
* Root user and his delegates can also get the usage records of other users (managed and independent).
* Delegates can get the usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* In the generated report there will also be a "Total Non-Instance Storage (GiB)" column.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `2.0.0`

42.13.2. Parameters

Type	Name	Description	Schema
Query	**account_name** *optional*	Name of the account.	string
Query	**from_time** *optional*	Time from which to display reports.	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * account_name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**to_time** *optional*	Time until which to display reports.	string
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Name of the user.	string

42.13.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_usage_summary_anonymous_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_usage_summary_anonymous_list

Name	Description	Schema
capturing_vpcs *optional*	Protecting VPCs under this account, by VPCs capturing.	boolean
num_controlled_entities *optional*	Number of entities under this account which are controlled by N2WS.	string
num_efs *optional*	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	string
num_fsx *optional*	Number of FSx systems under this account which are protected by N2WS.	string
num_gib_of_dynamo_db *optional*	Number of DynamoDB GiB under this account which are protected by N2WS.	string
num_gib_of_efs *optional*	Number of Elastic File Systems (EFS) GiB under this account which are protected by N2WS.	string
num_gib_of_fsx *optional*	Number of FSx GiB under this account which are protected by N2WS.	string
num_gib_of_independent_volumes *optional*	Number of independent volume GiB under this account which are protected by N2WS.	string
num_gib_of_rds *optional*	Number of RDS GiB under this account which are protected by N2WS.	string
num_gib_of_redshift *optional*	Number of Redshift GiB under this account which are protected by N2WS.	string

Name	Description	Schema
num_instances *optional*	Number of instances under this account which are protected by N2WS.	string
num_instances_dr *optional*	Number of instances under this account which are protected by N2WS DR policies.	string
num_instances_s3 *optional*	Number of instances under this account which are protected by N2WS S3 policies.	string
report_time *optional*	The date of the report.	string
scanning_tags *optional*	Protecting entities under this account, by backup tags scanning.	boolean
total_non_instance_storage *optional*	Total number of non-instance storage GiB under this account which are protected by N2WS.	string
user_id *optional*	ID of the user.	integer
username *optional*	Name of the user.	string

42.13.4. Produces

- `application/json`
- `text/csv`

42.14. Account volume usage report

```
GET /api/reports/volume_usage/
```

42.14.1. Description

This endpoint returns a list of all accounts volume usage records.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own volume usage records.
* Root user and his delegates can also get the volume usage records of other users (managed and independent).
* Delegates can get the volume usage records of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.
* `page` and `page_size` parameters are not supported.
* A cryptographic signature is added as the last row of the report.

- *Initial Release:* `2.2.0`
- *Last Modified Version:* `2.2.0`

42.14.2. Parameters

Type	Name	Description	Schema
Query	**account** *optional*	ID of the associated account of user whose occupied percent volumes are to be displayed.	string
Query	**high_watermark** *optional*	Upper limit for volume's occupied percent.	number
Query	**low_watermark** *optional*	Lower limit for volume's occupied percent.	number
Query	**ordering** *optional*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**user** *optional*	ID of the owner user.	string
Query	**username** *optional*	Username of the user this account is associated with. For media type `text/csv`, this column will not be included if there is only one applicable user.	string

42.14.3. Responses

HTTP Code	Description	Schema
200	OK	< response_reports_volume_usage_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_reports_volume_usage_list

Name	Description	Schema
alert_type *optional*	Volume's alert type. **Allowed Enum Values** * N (Volume was not alerted. occupied percent did not exceede) * L (Volume was alerted for occupied percent equal or below low watermark) * H (Volume was alerted for occupied percent equal or above high watermark)	enum (N, L, H)
aws_region *optional*	Region of the volume.	string
aws_volume_id *optional*	AWS volume ID of the volume.	string
capacity *optional*	Maximum allowed volume capacity.	integer
error_free_text *optional*	error text.	string
instance *optional*	Instance's volume.	integer
last_check *optional*	Last time of backup - volumes occupied percent were updated.	string
occupied_calc_by_cbt *optional*	whether volume's usage calculation is not accurate.	boolean

Name	Description	Schema
occupied_percentage *optional*	Occupied percentage of the volume.	integer
status_accurate *optional*	Accurate volume statuses - (NOT_ATTEMPTED_USER_CONFIG)Use accurate volume usage for this account is False,(NOT_ATTEMPTED_INDEPENDENT_VOLUME)Independent volume - not accurate volume usage,(SUCCEEDED)Use accurate volume usage succeeded,(FAILED)Fallback to cbt because accurate volume usage failed **Allowed Enum Values** * NOT_ATTEMPTED_USER_CONFIG (Accurate volume usage for this account was not enabled.) * NOT_ATTEMPTED_INDEPENDENT_VOLUME (Independent volume - not accurate volume usage.) * SUCCEEDED (Use accurate volume usage succeeded.) * FAILED (Fallback to cbt because accurate volume usage failed.)	enum (NOT_ATTEMPTED_USER_CONFIG, NOT_ATTEMPTED_INDEPENDENT_VOLUME, SUCCEEDED, FAILED)
status_cbt *optional*	CBT statuses - (SUCCEEDED)CBT succeeded, (FAILED)CBT failed, (NOT_ATTEMPTED)CBT was not attempted. **Allowed Enum Values** * SUCCEEDED (CBT succeeded) * FAILED (CBT failed) * NOT_ATTEMPTED (CBT was not attempted)	enum (SUCCEEDED, FAILED, NOT_ATTEMPTED)

42.14.4. Produces

- `text/csv`

Chapter 43. Scheduled Reports

43.1. Create a scheduled report

```
POST /api/scheduled_reports/
```

43.1.1. Description

This endpoint creates a new scheduled report.

Permissions and Restrictions:
* The permission for API is dependent on the selected report type.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

43.1.2. Parameters

Type	Name	Schema
Body	**data_scheduled_reports_create** *required*	data_scheduled_reports_create

data_scheduled_reports_create

Name	Description	Schema
description *optional*	Description for the resource.	string
enabled *optional*	If set, the scheduled report will be enabled.	boolean
filters *optional*	Filters for the report.	data_scheduled_reports_create_filters
freezer_items *optional*	Frozen backups inclusion filter **Allowed Enum Values** * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
high_watermark *optional*	High watermark filter the scheduled report volume usage by.	integer
is_anonymized *optional*	If set, the scheduled report will be anonymized.	boolean

Name	Description	Schema
is_detailed *optional*	If set, the scheduled report will be with full details.	boolean
low_watermark *optional*	Low watermark filter the scheduled report volume usage by.	integer
name *required*	Name of the resource.	string
recipients *required*	Recipients of the scheduled report.	< string > array
report_type *required*	Type of the scheduled report. **Allowed Enum Values** * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (Usage) * VU (Volume Usage) * US (Usage Summary) * UD (Usage Detailed) * USA (Usage Summary Anonymous) * UDA (Usage Detailed Anonymous) * UA (Usage Anonymized) * M (CPM Summary) * AB (Backup) * AS (Snapshots) * AU (Usage) * AUS (Usage Summary) * AUD (Usage Detailed) * ASA (Usage Summary Anonymous) * ADA (Usage Detailed Anonymous) * AUA (Usage Anonymized) * AM (CPM Summary) * AP (Protected Resources) * AD (Azure Unprotected Resources)	enum (A, B, P, D, R, S, U, VU, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)
schedules *optional*	Schedule IDs associated with this scheduled report for when to run.	< integer > array
user *required*	ID of the owner user.	integer

data_scheduled_reports_create_filters

Name	Description	Schema
account *optional*		integer
azure_account *optional*		integer
azure_policy *optional*		integer
last_period_interval *optional*		integer
last_period_unit *optional*	**Allowed Enum Values** * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
period_length *optional*		integer
period_type *optional*	**Allowed Enum Values** * W (Week) * M (Month)	enum (W, M)
policy *optional*		integer
user *optional*		integer

43.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_scheduled_reports_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_scheduled_reports_create

Name	Description	Schema
description *optional*	Description for the resource.	string
enabled *optional*	If set, the scheduled report will be enabled.	boolean

Name	Description	Schema
filters *optional*	Filters for the report.	response_scheduled_reports_create_filters
freezer_items *optional*	Frozen backups inclusion filter **Allowed Enum Values** * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
high_watermark *optional*	High watermark filter the scheduled report volume usage by.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
is_anonymized *optional*	If set, the scheduled report will be anonymized.	boolean
is_detailed *optional*	If set, the scheduled report will be with full details.	boolean
low_watermark *optional*	Low watermark filter the scheduled report volume usage by.	integer
name *optional*	Name of the resource.	string
recipients *optional*	Recipients of the scheduled report.	< string > array

Name	Description	Schema
report_type *optional*	Type of the scheduled report. **Allowed Enum Values** * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (Usage) * VU (Volume Usage) * US (Usage Summary) * UD (Usage Detailed) * USA (Usage Summary Anonymous) * UDA (Usage Detailed Anonymous) * UA (Usage Anonymized) * M (CPM Summary) * AB (Backup) * AS (Snapshots) * AU (Usage) * AUS (Usage Summary) * AUD (Usage Detailed) * ASA (Usage Summary Anonymous) * ADA (Usage Detailed Anonymous) * AUA (Usage Anonymized) * AM (CPM Summary) * AP (Protected Resources) * AD (Azure Unprotected Resources)	enum (A, B, P, D, R, S, U, VU, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)
schedules *optional*	Schedule IDs associated with this scheduled report for when to run.	< integer > array
user *optional*	ID of the owner user.	integer

response_scheduled_reports_create_filters

Name	Description	Schema
account *optional*		integer
azure_account *optional*		integer
azure_policy *optional*		integer
last_period_interval *optional*		integer

Name	Description	Schema
last_period_unit *optional*	**Allowed Enum Values** * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
period_length *optional*		integer
period_type *optional*	**Allowed Enum Values** * W (Week) * M (Month)	enum (W, M)
policy *optional*		integer
user *optional*		integer

43.1.4. Consumes

- `application/json`

43.1.5. Produces

- `application/json`

43.2. List scheduled reports

```
GET /api/scheduled_reports/
```

43.2.1. Description

This endpoint returns a list of scheduled reports.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* The permission for API is dependent on the selected report type.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

43.2.2. Parameters

Type	Name	Description	Schema
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * enabled * name * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**report_type** *optional*	Type of the scheduled report.	string
Query	**schedules** *optional*	Schedule IDs associated with this scheduled report for when to run.	string
Query	**search** *optional*	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule	string
Query	**user** *optional*	ID of the owner user.	string

43.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_scheduled_reports_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_scheduled_reports_list

Name	Description	Schema
description *optional*	Description for the resource.	string
enabled *optional*	If set, the scheduled report will be enabled.	boolean
filters *optional*	Filters for the report.	response_scheduled_reports_list_filters
freezer_items *optional*	Frozen backups inclusion filter **Allowed Enum Values** * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
high_watermark *optional*	High watermark filter the scheduled report volume usage by.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
is_anonymized *optional*	If set, the scheduled report will be anonymized.	boolean
is_detailed *optional*	If set, the scheduled report will be with full details.	boolean
low_watermark *optional*	Low watermark filter the scheduled report volume usage by.	integer
name *optional*	Name of the resource.	string
recipients *optional*	Recipients of the scheduled report.	< string > array

Name	Description	Schema
report_type *optional*	Type of the scheduled report. **Allowed Enum Values** * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (Usage) * VU (Volume Usage) * US (Usage Summary) * UD (Usage Detailed) * USA (Usage Summary Anonymous) * UDA (Usage Detailed Anonymous) * UA (Usage Anonymized) * M (CPM Summary) * AB (Backup) * AS (Snapshots) * AU (Usage) * AUS (Usage Summary) * AUD (Usage Detailed) * ASA (Usage Summary Anonymous) * ADA (Usage Detailed Anonymous) * AUA (Usage Anonymized) * AM (CPM Summary) * AP (Protected Resources) * AD (Azure Unprotected Resources)	enum (A, B, P, D, R, S, U, VU, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)
schedules *optional*	Schedule IDs associated with this scheduled report for when to run.	< integer > array
user *optional*	ID of the owner user.	integer

response_scheduled_reports_list_filters

Name	Description	Schema
account *optional*		integer
azure_account *optional*		integer
azure_policy *optional*		integer
last_period_interval *optional*		integer

Name	Description	Schema
last_period_unit *optional*	**Allowed Enum Values** * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
period_length *optional*		integer
period_type *optional*	**Allowed Enum Values** * W (Week) * M (Month)	enum (W, M)
policy *optional*		integer
user *optional*		integer

43.2.4. Produces

- `application/json`

43.3. Retrieve a scheduled report

```
GET /api/scheduled_reports/{id}/
```

43.3.1. Description

This endpoint returns the scheduled report for the ID passed in the URL path.

Permissions and Restrictions:
* The permission for API is dependent on the selected report type.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

43.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

43.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_scheduled_reports_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_scheduled_reports_read

Name	Description	Schema
description *optional*	Description for the resource.	string
enabled *optional*	If set, the scheduled report will be enabled.	boolean
filters *optional*	Filters for the report.	response_scheduled_reports_read_filters

Name	Description	Schema
freezer_items *optional*	Frozen backups inclusion filter **Allowed Enum Values** * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
high_watermark *optional*	High watermark filter the scheduled report volume usage by.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
is_anonymized *optional*	If set, the scheduled report will be anonymized.	boolean
is_detailed *optional*	If set, the scheduled report will be with full details.	boolean
low_watermark *optional*	Low watermark filter the scheduled report volume usage by.	integer
name *optional*	Name of the resource.	string
recipients *optional*	Recipients of the scheduled report.	< string > array

Name	Description	Schema
report_type *optional*	Type of the scheduled report. **Allowed Enum Values** * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (Usage) * VU (Volume Usage) * US (Usage Summary) * UD (Usage Detailed) * USA (Usage Summary Anonymous) * UDA (Usage Detailed Anonymous) * UA (Usage Anonymized) * M (CPM Summary) * AB (Backup) * AS (Snapshots) * AU (Usage) * AUS (Usage Summary) * AUD (Usage Detailed) * ASA (Usage Summary Anonymous) * ADA (Usage Detailed Anonymous) * AUA (Usage Anonymized) * AM (CPM Summary) * AP (Protected Resources) * AD (Azure Unprotected Resources)	enum (A, B, P, D, R, S, U, VU, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)
schedules *optional*	Schedule IDs associated with this scheduled report for when to run.	< integer > array
user *optional*	ID of the owner user.	integer

response_scheduled_reports_read_filters

Name	Description	Schema
account *optional*		integer
azure_account *optional*		integer
azure_policy *optional*		integer
last_period_interval *optional*		integer

Name	Description	Schema
last_period_unit *optional*	**Allowed Enum Values** * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
period_length *optional*		integer
period_type *optional*	**Allowed Enum Values** * W (Week) * M (Month)	enum (W, M)
policy *optional*		integer
user *optional*		integer

43.3.4. Produces

- `application/json`

43.4. Update a scheduled report

```
PUT /api/scheduled_reports/{id}/
```

43.4.1. Description

This endpoint updates the scheduled report for the ID passed in the URL path.

Permissions and Restrictions:
* The permission for API is dependent on the selected report type.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

43.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_scheduled_reports_update** *required*	data_scheduled_reports_update

data_scheduled_reports_update

Name	Description	Schema
description *optional*	Description for the resource.	string
enabled *optional*	If set, the scheduled report will be enabled.	boolean
filters *optional*	Filters for the report.	data_scheduled_reports_update_filters
freezer_items *optional*	Frozen backups inclusion filter **Allowed Enum Values** * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
high_watermark *optional*	High watermark filter the scheduled report volume usage by.	integer

Name	Description	Schema
is_anonymized *optional*	If set, the scheduled report will be anonymized.	boolean
is_detailed *optional*	If set, the scheduled report will be with full details.	boolean
low_watermark *optional*	Low watermark filter the scheduled report volume usage by.	integer
name *required*	Name of the resource.	string
recipients *required*	Recipients of the scheduled report.	< string > array
schedules *optional*	Schedule IDs associated with this scheduled report for when to run.	< integer > array

data_scheduled_reports_update_filters

Name	Description	Schema
account *optional*		integer
azure_account *optional*		integer
azure_policy *optional*		integer
last_period_interval *optional*		integer
last_period_unit *optional*	**Allowed Enum Values** * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
period_length *optional*		integer
period_type *optional*	**Allowed Enum Values** * W (Week) * M (Month)	enum (W, M)
policy *optional*		integer
user *optional*		integer

43.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_scheduled_reports_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_scheduled_reports_update

Name	Description	Schema
description *optional*	Description for the resource.	string
enabled *optional*	If set, the scheduled report will be enabled.	boolean
filters *optional*	Filters for the report.	response_scheduled_reports_update_filters
freezer_items *optional*	Frozen backups inclusion filter **Allowed Enum Values** * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
high_watermark *optional*	High watermark filter the scheduled report volume usage by.	integer
id *optional*	Unique ID of the resource in N2WS.	integer
is_anonymized *optional*	If set, the scheduled report will be anonymized.	boolean
is_detailed *optional*	If set, the scheduled report will be with full details.	boolean
low_watermark *optional*	Low watermark filter the scheduled report volume usage by.	integer
name *optional*	Name of the resource.	string
recipients *optional*	Recipients of the scheduled report.	< string > array

Name	Description	Schema
report_type *optional*	Type of the scheduled report. **Allowed Enum Values** * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (Usage) * VU (Volume Usage) * US (Usage Summary) * UD (Usage Detailed) * USA (Usage Summary Anonymous) * UDA (Usage Detailed Anonymous) * UA (Usage Anonymized) * M (CPM Summary) * AB (Backup) * AS (Snapshots) * AU (Usage) * AUS (Usage Summary) * AUD (Usage Detailed) * ASA (Usage Summary Anonymous) * ADA (Usage Detailed Anonymous) * AUA (Usage Anonymized) * AM (CPM Summary) * AP (Protected Resources) * AD (Azure Unprotected Resources)	enum (A, B, P, D, R, S, U, VU, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)
schedules *optional*	Schedule IDs associated with this scheduled report for when to run.	< integer > array
user *optional*	ID of the owner user.	integer

response_scheduled_reports_update_filters

Name	Description	Schema
account *optional*		integer
azure_account *optional*		integer
azure_policy *optional*		integer
last_period_interval *optional*		integer

Name	Description	Schema
last_period_unit *optional*	**Allowed Enum Values** * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
period_length *optional*		integer
period_type *optional*	**Allowed Enum Values** * W (Week) * M (Month)	enum (W, M)
policy *optional*		integer
user *optional*		integer

43.4.4. Consumes

- `application/json`

43.4.5. Produces

- `application/json`

43.5. Delete a scheduled report

```
DELETE /api/scheduled_reports/{id}/
```

43.5.1. Description

This endpoint deletes the scheduled report for the ID passed in the URL path.

Permissions and Restrictions:
* The permission for API is dependent on the selected report type.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

43.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

43.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

43.6. Run a scheduled report immediately

```
POST /api/scheduled_reports/{scheduled_report_id}/run/
```

43.6.1. Description

This endpoint runs a scheduled report for the ID passed in the URL path immediately.

Permissions and Restrictions:
* The permission for API is dependent on the selected report type.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

43.6.2. Parameters

Type	Name	Schema
Path	**scheduled_report_id** *required*	string

43.6.3. Responses

HTTP Code	Description	Schema
202	Accepted	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

Chapter 44. Schedules

44.1. Create a N2WS schedule

```
POST /api/schedules/
```

44.1.1. Description

This endpoint creates a new N2WS schedule.

Permissions and Restrictions:
* Any authenticated user can create a new schedule for himself.
* Root user can also create a new schedule for the managed users.
* Authenticated delegate user with `allow_backup_changes` can create a new schedule for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

44.1.2. Parameters

Type	Name	Schema
Body	**data_schedules_create** *required*	data_schedules_create

data_schedules_create

Name	Description	Schema
allow_on_friday *optional*	If set, the schedule will run on Fridays.	boolean
allow_on_monday *optional*	If set, the schedule will run on Mondays.	boolean
allow_on_saturday *optional*	If set, the schedule will run on Saturdays.	boolean
allow_on_sunday *optional*	If set, the schedule will run on Sundays.	boolean
allow_on_thursday *optional*	If set, the schedule will run on Thursdays.	boolean
allow_on_tuesday *optional*	If set, the schedule will run on Tuesdays.	boolean
allow_on_wednesday *optional*	If set, the schedule will run on Wednesdays.	boolean

Name	Description	Schema
description *optional*	Description for the resource.	string
disable_times *optional*	List of specific times when the schedule should not start a backup.	< data_schedules_create_disable_times > array
end_date *optional*	When the schedule will expire. If not set, the default is `never`.	string
every_how_many *required*	What is the schedule's run frequency. Works in conjunction with `every_unit`.	integer
every_unit *optional*	Time unit for the schedule frequency. Works in conjunction with `every_how_many`. **Allowed Enum Values** * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
start_date *optional*	When the schedule will start operation. If not set, the default is `now`.	string
timezone *optional*	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
user *required*	ID of the owner user.	integer

data_schedules_create_disable_times

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)

Name	Description	Schema
end_time *required*	Time to finish disabling the schedule.	string
start_time *required*	Time to start disabling the schedule.	string

44.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_schedules_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_schedules_create

Name	Description	Schema
allow_on_friday *optional*	If set, the schedule will run on Fridays.	boolean
allow_on_monday *optional*	If set, the schedule will run on Mondays.	boolean
allow_on_saturday *optional*	If set, the schedule will run on Saturdays.	boolean
allow_on_sunday *optional*	If set, the schedule will run on Sundays.	boolean
allow_on_thursday *optional*	If set, the schedule will run on Thursdays.	boolean
allow_on_tuesday *optional*	If set, the schedule will run on Tuesdays.	boolean
allow_on_wednesday *optional*	If set, the schedule will run on Wednesdays.	boolean
description *optional*	Description for the resource.	string
disable_times *optional*	List of specific times when the schedule should not start a backup.	< response_schedules_create_disable_times > array
end_date *optional*	When the schedule will expire. If not set, the default is `never`.	string

Name	Description	Schema
every_how_many *optional*	What is the schedule's run frequency. Works in conjunction with `every_unit`.	integer
every_unit *optional*	Time unit for the schedule frequency. Works in conjunction with `every_how_many`. **Allowed Enum Values** * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
num_policies *optional*	Number of policies associated with the schedule.	integer
num_recovery_scenarios *optional*	Number of recovery scenarios associated with the schedule.	integer
num_scheduled_reports *optional*	Number of scheduled reports associated with the schedule.	integer
start_date *optional*	When the schedule will start operation. If not set, the default is `now`.	string
timezone *optional*	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
user *optional*	ID of the owner user.	integer

response_schedules_create_disable_times

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
end_time *optional*	Time to finish disabling the schedule.	string
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*	Time to start disabling the schedule.	string

44.1.4. Consumes

- `application/json`

44.1.5. Produces

- `application/json`

44.2. List N2WS schedules

```
GET /api/schedules/
```

44.2.1. Description

This endpoint returns a list of N2WS schedules.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can get his own schedules.
* Root user can also get the schedules of the managed users.
* Delegates can get the schedules of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.5.0`

44.2.2. Parameters

Type	Name	Description	Schema
Query	**azure_policy** *optional*	None	string
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * allow_on_friday * allow_on_monday * allow_on_saturday * allow_on_sunday * allow_on_thursday * allow_on_tuesday * allow_on_wednesday * end_date * every_how_many * every_unit * name * start_date * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	**policy** *optional*	ID of the policy this resource is associated with.	string
Query	**scheduled_report** *optional*	None	string
Query	**search** *optional*	Search term to look for in the fields: * name * description * name of related policy * description of related policy * name of related Azure policy * description of related Azure policy	string
Query	**user** *optional*	ID of the owner user.	string

44.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_schedules_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_schedules_list

Name	Description	Schema
allow_on_friday *optional*	If set, the schedule will run on Fridays.	boolean
allow_on_monday *optional*	If set, the schedule will run on Mondays.	boolean
allow_on_saturday *optional*	If set, the schedule will run on Saturdays.	boolean
allow_on_sunday *optional*	If set, the schedule will run on Sundays.	boolean
allow_on_thursday *optional*	If set, the schedule will run on Thursdays.	boolean
allow_on_tuesday *optional*	If set, the schedule will run on Tuesdays.	boolean
allow_on_wednesday *optional*	If set, the schedule will run on Wednesdays.	boolean

Name	Description	Schema
description *optional*	Description for the resource.	string
disable_times *optional*	List of specific times when the schedule should not start a backup.	< response_schedules_list_disable_times > array
end_date *optional*	When the schedule will expire. If not set, the default is `never`.	string
every_how_many *optional*	What is the schedule's run frequency. Works in conjunction with `every_unit`.	integer
every_unit *optional*	Time unit for the schedule frequency. Works in conjunction with `every_how_many`. **Allowed Enum Values** * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
num_policies *optional*	Number of policies associated with the schedule.	integer
num_recovery_scenarios *optional*	Number of recovery scenarios associated with the schedule.	integer
num_scheduled_reports *optional*	Number of scheduled reports associated with the schedule.	integer
start_date *optional*	When the schedule will start operation. If not set, the default is `now`.	string
timezone *optional*	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
user *optional*	ID of the owner user.	integer

response_schedules_list_disable_times

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
end_time *optional*	Time to finish disabling the schedule.	string
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*	Time to start disabling the schedule.	string

44.2.4. Produces

- `application/json`

44.3. Retrieve a N2WS schedule

```
GET /api/schedules/{id}/
```

44.3.1. Description

This endpoint returns the N2WS schedule for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own schedules.
* Root user can also get the schedules of the managed users.
* Delegates can get the schedules of their original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.5.0`

44.3.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

44.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_schedules_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_schedules_read

Name	Description	Schema
allow_on_friday *optional*	If set, the schedule will run on Fridays.	boolean
allow_on_monday *optional*	If set, the schedule will run on Mondays.	boolean
allow_on_saturday *optional*	If set, the schedule will run on Saturdays.	boolean

Name	Description	Schema
allow_on_sunday *optional*	If set, the schedule will run on Sundays.	boolean
allow_on_thursday *optional*	If set, the schedule will run on Thursdays.	boolean
allow_on_tuesday *optional*	If set, the schedule will run on Tuesdays.	boolean
allow_on_wednesday *optional*	If set, the schedule will run on Wednesdays.	boolean
description *optional*	Description for the resource.	string
disable_times *optional*	List of specific times when the schedule should not start a backup.	< response_schedules_read_disable_times > array
end_date *optional*	When the schedule will expire. If not set, the default is `never`.	string
every_how_many *optional*	What is the schedule's run frequency. Works in conjunction with `every_unit`.	integer
every_unit *optional*	Time unit for the schedule frequency. Works in conjunction with `every_how_many`. **Allowed Enum Values** * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
num_policies *optional*	Number of policies associated with the schedule.	integer
num_recovery_scenarios *optional*	Number of recovery scenarios associated with the schedule.	integer
num_scheduled_reports *optional*	Number of scheduled reports associated with the schedule.	integer
start_date *optional*	When the schedule will start operation. If not set, the default is `now`.	string

Name	Description	Schema
timezone *optional*	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
user *optional*	ID of the owner user.	integer

response_schedules_read_disable_times

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
end_time *optional*	Time to finish disabling the schedule.	string
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*	Time to start disabling the schedule.	string

44.3.4. Produces

- `application/json`

44.4. Update a N2WS schedule

```
PUT /api/schedules/{id}/
```

44.4.1. Description

This endpoint updates the N2WS schedule for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can update his own schedules.
* Root user can also update schedules for the managed users.
* Authenticated delegate user with `allow_backup_changes` can update schedules for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

44.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_schedules_update** *required*	data_schedules_update

data_schedules_update

Name	Description	Schema
allow_on_friday *optional*	If set, the schedule will run on Fridays.	boolean
allow_on_monday *optional*	If set, the schedule will run on Mondays.	boolean
allow_on_saturday *optional*	If set, the schedule will run on Saturdays.	boolean
allow_on_sunday *optional*	If set, the schedule will run on Sundays.	boolean
allow_on_thursday *optional*	If set, the schedule will run on Thursdays.	boolean
allow_on_tuesday *optional*	If set, the schedule will run on Tuesdays.	boolean

Name	Description	Schema
allow_on_wednesday *optional*	If set, the schedule will run on Wednesdays.	boolean
description *optional*	Description for the resource.	string
disable_times *optional*	List of specific times when the schedule should not start a backup.	< data_schedules_update_disable_times > array
end_date *optional*	When the schedule will expire. If not set, the default is `never`.	string
every_how_many *required*	What is the schedule's run frequency. Works in conjunction with `every_unit`.	integer
every_unit *optional*	Time unit for the schedule frequency. Works in conjunction with `every_how_many`. **Allowed Enum Values** * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
name *required*	Name can only contain alphanumeric characters, underscore and dash.	string
start_date *optional*	When the schedule will start operation. If not set, the default is `now`.	string
timezone *optional*	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string

data_schedules_update_disable_times

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)

Name	Description	Schema
end_time *required*	Time to finish disabling the schedule.	string
start_time *required*	Time to start disabling the schedule.	string

44.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_schedules_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_schedules_update

Name	Description	Schema
allow_on_friday *optional*	If set, the schedule will run on Fridays.	boolean
allow_on_monday *optional*	If set, the schedule will run on Mondays.	boolean
allow_on_saturday *optional*	If set, the schedule will run on Saturdays.	boolean
allow_on_sunday *optional*	If set, the schedule will run on Sundays.	boolean
allow_on_thursday *optional*	If set, the schedule will run on Thursdays.	boolean
allow_on_tuesday *optional*	If set, the schedule will run on Tuesdays.	boolean
allow_on_wednesday *optional*	If set, the schedule will run on Wednesdays.	boolean
description *optional*	Description for the resource.	string
disable_times *optional*	List of specific times when the schedule should not start a backup.	< response_schedules_update_disable_times > array

Name	Description	Schema
end_date *optional*	When the schedule will expire. If not set, the default is `never`.	string
every_how_many *optional*	What is the schedule's run frequency. Works in conjunction with `every_unit`.	integer
every_unit *optional*	Time unit for the schedule frequency. Works in conjunction with `every_how_many`. **Allowed Enum Values** * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
id *optional*	Unique ID of the resource in N2WS.	integer
last_modified *optional*	Modification time of the resource.	string
name *optional*	Name can only contain alphanumeric characters, underscore and dash.	string
num_policies *optional*	Number of policies associated with the schedule.	integer
num_recovery_scenarios *optional*	Number of recovery scenarios associated with the schedule.	integer
num_scheduled_reports *optional*	Number of scheduled reports associated with the schedule.	integer
start_date *optional*	When the schedule will start operation. If not set, the default is `now`.	string
timezone *optional*	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
user *optional*	ID of the owner user.	integer

response_schedules_update_disable_times

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
end_time *optional*	Time to finish disabling the schedule.	string
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*	Time to start disabling the schedule.	string

44.4.4. Consumes

- `application/json`

44.4.5. Produces

- `application/json`

44.5. Delete a N2WS schedule

```
DELETE /api/schedules/{id}/
```

44.5.1. Description

This endpoint deletes the N2WS schedule for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own schedules.
* Root user can also delete schedules for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete schedules for his original user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

44.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

44.5.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

44.6. Add a disable time to a schedule

```
POST /api/schedules/{schedule_id}/disable_times/
```

44.6.1. Description

This endpoint adds a disable time to a schedule.

Permissions and Restrictions:
* Any authenticated user can add a disable time to a schedule.
* Root user can also add a disable time to a schedule for the managed users.
* Authenticated delegate user with `allow_backup_changes` can add a disable time to a schedule for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

44.6.2. Parameters

Type	Name	Schema
Path	**schedule_id** *required*	string
Body	**data_schedules_disable_times_create** *required*	data_schedules_disable_times_create

data_schedules_disable_times_create

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
end_time *required*	Time to finish disabling the schedule.	string

Name	Description	Schema
start_time *required*	Time to start disabling the schedule.	string

44.6.3. Responses

HTTP Code	Description	Schema
201	Created	response_schedules_disable_times_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_schedules_disable_times_create

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
end_time *optional*	Time to finish disabling the schedule.	string
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*	Time to start disabling the schedule.	string

44.6.4. Consumes

- `application/json`

44.6.5. Produces

- `application/json`

44.7. List the disable times of a schedule

```
GET /api/schedules/{schedule_id}/disable_times/
```

44.7.1. Description

This endpoint returns the disable times of the schedulewhose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own disable times.
* Root user can also get the disable times of the managed users.
* Delegates can get the disable times of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

44.7.2. Parameters

Type	Name	Description	Schema
Path	**schedule_id** *required*		string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

44.7.3. Responses

HTTP Code	Description	Schema
200	OK	< response_schedules_disable_times_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_schedules_disable_times_list

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
end_time *optional*	Time to finish disabling the schedule.	string
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*	Time to start disabling the schedule.	string

44.7.4. Produces

- `application/json`

44.8. Retrieve a disable time of a schedule

```
GET /api/schedules/{schedule_id}/disable_times/{id}/
```

44.8.1. Description

This endpoint returns a disable time of the schedule whose ID is passed in the URL path.
* Any authenticated user can get his own disable times.
* Root user can also get the disable times of the managed users.
* Delegates can get the disable times of their original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

44.8.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**schedule_id** *required*	string

44.8.3. Responses

HTTP Code	Description	Schema
200	OK	response_schedules_disable_times_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_schedules_disable_times_read

Name	Description	Schema
day *optional*	Day to disable the schedule. **Allowed Enum Values** * A (All) * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (A, M, T, W, H, F, S, U)
end_time *optional*	Time to finish disabling the schedule.	string
id *optional*	Unique ID of the resource in N2WS.	integer
start_time *optional*	Time to start disabling the schedule.	string

44.8.4. Produces

- `application/json`

44.9. Delete a disable time from a schedule

```
DELETE /api/schedules/{schedule_id}/disable_times/{id}/
```

44.9.1. Description

This endpoint deletes a disable time from the schedule whose ID is passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can delete his own disable times.
* Root user can also delete disable times for the managed users.
* Authenticated delegate user with `allow_backup_changes` can delete disable times for his original user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

44.9.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Path	**schedule_id** *required*	string

44.9.3. Responses

HTTP Code	Description	Schema
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

44.10. List a schedule's future run times

```
GET /api/schedules/{schedule_id}/run_times/
```

44.10.1. Description

This endpoint returns a list of the future run times for a schedule.* Any authenticated user can list the schedule run times.
* Root user can also list schedule run times for the managed users.
* Authenticated delegate user with `allow_backup_changes` can list schedule run times for his original user.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

44.10.2. Parameters

Type	Name	Description	Schema
Path	**schedule_id** *required*		string
Query	**days_ahead** *required*	Days ahead to calculate scheduled run times for.	number

44.10.3. Responses

HTTP Code	Description	Schema
200	OK	< response_schedules_run_times_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_schedules_run_times_list

Name	Description	Schema
schedule_name *optional*	Name of schedule the backup is running.	string
schedule_time *optional*	Date and time for a future backup for the timezone defined in `schedule_timezone`.	string
schedule_timezone *optional*	Timezone the schedule was configured with.	string

Name	Description	Schema
system_time *optional*	Date and time for a future backup for the timezone defined in `system_timezone`.	string
system_timezone *optional*	Timezone the system was configured with.	string
time *optional*	Date and time for a future backup in UTC.	string

44.10.4. Produces

- `application/json`

Chapter 45. Settings

45.1. Change N2WS activation key

```
POST /api/settings/activation_key/
```

45.1.1. Description

This endpoint changes the N2WS activation key.

Permissions and Restrictions:
* Only the root user can change the N2WS activation key.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.1.2. Parameters

Type	Name	Schema
Body	**data_settings_activation_key_create** *required*	data_settings_activation_key_create

data_settings_activation_key_create

Name	Description	Schema
activation_key *required*	New activation key.	string

45.1.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.1.4. Consumes

- `application/json`

45.2. Change N2WS cleanup settings

```
POST /api/settings/cleanup/
```

45.2.1. Description

This endpoint changes the N2WS cleanup settings policy.

Permissions and Restrictions:
* Only the root user can create the cleanup settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

45.2.2. Parameters

Type	Name	Schema
Body	**data_settings_cleanup_create** *required*	data_settings_cleanup_create

data_settings_cleanup_create

Name	Description	Schema
cleanup_interval *required*	Cleanup schedule interval (hours).	integer
cleanup_type *optional*	Type of logs to clean. **Allowed Enum Values** * snapshots (Snapshots and AMIs) * s3 (S3 Repositories)	enum (snapshots, s3)
days_until_single_ami_rotation *required*	How many days to wait before rotation of old single AMIs.	integer
keep_deleted_backup_records *required*	Keep backups for reporting after they are deleted (days).	integer
keep_resource_control_records *required*	Keep resource control record logs (days).	integer
keep_retry_backup_records *optional*	Keep failed retry backup records (true/false).	boolean
keep_user_audit_logs_days *required*	Keep user audit logs (days).	integer

45.2.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_cleanup_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_cleanup_create

Name	Description	Schema
cleanup_interval *optional*	Cleanup schedule interval (hours).	integer
cleanup_type *optional*	Type of logs to clean. **Allowed Enum Values** * snapshots (Snapshots and AMIs) * s3 (S3 Repositories)	enum (snapshots, s3)
days_until_single_ami_rotation *optional*	How many days to wait before rotation of old single AMIs.	integer
keep_deleted_backup_records *optional*	Keep backups for reporting after they are deleted (days).	integer
keep_resource_control_records *optional*	Keep resource control record logs (days).	integer
keep_retry_backup_records *optional*	Keep failed retry backup records (true/false).	boolean
keep_user_audit_logs_days *optional*	Keep user audit logs (days).	integer
last_cleanup_time *optional*	Last time Cleanup was executed.	string
last_s3_cleanup_time *optional*	Last time an S3 Cleanup was executed.	string

45.2.4. Consumes

- `application/json`

45.2.5. Produces

- `application/json`

45.3. Retrieve N2WS cleanup settings

```
GET /api/settings/cleanup/
```

45.3.1. Description

This endpoint returns the N2WS cleanup settings.

Permissions and Restrictions:
* Only root user can get the cleanup settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.0.0`

45.3.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.3.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_cleanup_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_cleanup_list

Name	Description	Schema
cleanup_interval *optional*	Cleanup schedule interval (hours).	integer
cleanup_type *optional*	Type of logs to clean. **Allowed Enum Values** * snapshots (Snapshots and AMIs) * s3 (S3 Repositories)	enum (snapshots, s3)

Name	Description	Schema
days_until_single_ami_rotation *optional*	How many days to wait before rotation of old single AMIs.	integer
keep_deleted_backup_records *optional*	Keep backups for reporting after they are deleted (days).	integer
keep_resource_control_records *optional*	Keep resource control record logs (days).	integer
keep_retry_backup_records *optional*	Keep failed retry backup records (true/false).	boolean
keep_user_audit_logs_days *optional*	Keep user audit logs (days).	integer
last_cleanup_time *optional*	Last time Cleanup was executed.	string
last_s3_cleanup_time *optional*	Last time an S3 Cleanup was executed.	string

45.3.4. Produces

- `application/json`

45.4. List cleanup logs

```
GET /api/settings/cleanup/logs/
```

45.4.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

45.4.2. Responses

HTTP Code	Description	Schema
200	OK	< response_settings_cleanup_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_cleanup_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

45.4.3. Produces

- `application/json`
- `text/csv`

45.5. Run the cleanup operation

```
POST /api/settings/cleanup/run/
```

45.5.1. Description

This endpoint runs the N2WS cleanup operation.

Permissions and Restrictions:
* Only root user can perform this operation.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

45.5.2. Responses

HTTP Code	Description	Schema
202	Accepted	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.6. List S3 cleanup logs

```
GET /api/settings/cleanup/s3_logs/
```

45.6.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.6.2. Responses

HTTP Code	Description	Schema
200	OK	< response_settings_cleanup_list_s3_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_cleanup_list_s3_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

45.6.3. Produces

- `application/json`
- `text/csv`

45.7. Download N2WS's certificate

```
GET /api/settings/cpm_certificate/
```

45.7.1. Description

This endpoint to download N2WS certificate.

Permissions and Restrictions:
* Only root user can download the N2WS certificate.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

45.7.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.7.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.8. Update N2WS log mode settings

```
POST /api/settings/cpm_log_mode/
```

45.8.1. Description

This endpoint changes the N2WS log mode settings.

Permissions and Restrictions:
* Only the root user can change this settings.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

45.8.2. Parameters

Type	Name	Schema
Body	**data_settings_cpm_log_mode_create** *required*	data_settings_cpm_log_mode_create

data_settings_cpm_log_mode_create

Name	Description	Schema
cpm_log_mode *optional*	N2WS server's log mode. **Allowed Enum Values** * STANDARD (Standard) * DEBUG (Diagnostics)	enum (STANDARD, DEBUG)

45.8.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_cpm_log_mode_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_cpm_log_mode_create

Name	Description	Schema
cpm_log_mode *optional*	N2WS server's log mode. **Allowed Enum Values** * STANDARD (Standard) * DEBUG (Diagnostics)	enum (STANDARD, DEBUG)

45.8.4. Consumes

- `application/json`

45.8.5. Produces

- `application/json`

45.9. Retrieve N2WS log mode settings

```
GET /api/settings/cpm_log_mode/
```

45.9.1. Description

This endpoint returns the N2WS log mode settings.

Permissions and Restrictions:
* Only root user can get the this settings.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

45.9.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.9.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_cpm_log_mode_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_cpm_log_mode_list

Name	Description	Schema
cpm_log_mode *optional*	N2WS server's log mode. **Allowed Enum Values** * STANDARD (Standard) * DEBUG (Diagnostics)	enum (STANDARD, DEBUG)

45.9.4. Produces

- application/json

45.10. Download N2WS's metadata

```
GET /api/settings/cpm_metadata/
```

45.10.1. Description

This endpoint to download N2WS's metadata.

Permissions and Restrictions:
* Only root user can download the N2WS's metadata.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

45.10.2. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.11. Create N2WS email identity settings

```
POST /api/settings/email_identity/
```

45.11.1. Description

This endpoint changes the N2WS email identity settings.

Permissions and Restrictions:
* Only the root user can change the email identity settings settings.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

45.11.2. Parameters

Type	Name	Schema
Body	**data_settings_email_identity_create** *required*	data_settings_email_identity_create

data_settings_email_identity_create

Name	Description	Schema
email_address *optional*	Email address as source for SES messages.	string
enabled *required*	Use Simple Email Service (SES).	boolean
ses_access_key *optional*	Access key for SES client.	string
ses_account *optional*	Account ID.	string
ses_authentication *optional*	Authentication method: **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
ses_method *optional*	**Allowed Enum Values** * A (AWS SES) * S (SMTP)	enum (A, S)

Name	Description	Schema
ses_region *optional*	Region for SES client.	string
ses_secret_key *optional*	Secret key for SES client.	string
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_password *optional*	SMTP password.	string
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_password *optional*		string
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
smtp_proxy_username *optional*		string
smtp_server *optional*	SMTP server.	string
verify_source_address *optional*	Flag if to verify source address. True by default.	boolean

45.11.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_email_identity_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_email_identity_create

Name	Description	Schema
email_address *optional*	Email address as source for SES messages.	string
enabled *optional*	Use Simple Email Service (SES).	boolean
ses_access_key *optional*	Access key for SES client.	string
ses_account *optional*	Account ID.	string
ses_authentication *optional*	Authentication method: **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
ses_method *optional*	**Allowed Enum Values** * A (AWS SES) * S (SMTP)	enum (A, S)
ses_region *optional*	Region for SES client.	string
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
smtp_proxy_username *optional*		string

Name	Description	Schema
smtp_server *optional*	SMTP server.	string
verify_source_address *optional*	Flag if to verify source address. True by default.	boolean

45.11.4. Consumes

- `application/json`

45.11.5. Produces

- `application/json`

45.12. Retrieve the N2WS email identity settings

```
GET /api/settings/email_identity/
```

45.12.1. Description

This endpoint retrieve the N2WS email identity settings.

Permissions and Restrictions:
* Only root user can get the email identity settings.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

45.12.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.12.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_email_identity_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_email_identity_list

Name	Description	Schema
email_address *optional*	Email address as source for SES messages.	string
enabled *optional*	Use Simple Email Service (SES).	boolean
ses_access_key *optional*	Access key for SES client.	string

Name	Description	Schema
ses_account *optional*	Account ID.	string
ses_authentication *optional*	Authentication method: **Allowed Enum Values** * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
ses_method *optional*	**Allowed Enum Values** * A (AWS SES) * S (SMTP)	enum (A, S)
ses_region *optional*	Region for SES client.	string
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
smtp_proxy_username *optional*		string
smtp_server *optional*	SMTP server.	string
verify_source_address *optional*	Flag if to verify source address. True by default.	boolean

45.12.4. Produces

- `application/json`

45.13. Send email verification request for N2WS email identity

```
POST /api/settings/email_identity/verify/
```

45.13.1. Description

This endpoint sends email verification request for N2WS email identity or checks existing verification.

Permissions and Restrictions:
* Only the root user can send an email identity verification request.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.13.2. Parameters

Type	Name	Schema
Body	**data_settings_email_identity_verify** *required*	data_settings_email_identity_verify

data_settings_email_identity_verify

Name	Description	Schema
email_address *required*	Email address as source for SES messages.	string

45.13.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.13.4. Consumes

- `application/json`

45.14. Retrieve this email verification request status

```
GET /api/settings/email_identity/verify_status/
```

45.14.1. Description

This endpoint retrieves this email verification request status.

Permissions and Restrictions:
* Only the root user can retrieve the email identity verification request status.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.14.2. Parameters

Type	Name	Description	Schema
Query	**email_address** *required*	Email address awaiting verification.	string

45.14.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_email_identity_verify_status
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_email_identity_verify_status

Name	Description	Schema
email_address *optional*	Email address awaiting verification.	string
status *optional*	Status of Email address verification request.	string

45.14.4. Produces

- `application/json`

45.15. Create N2WS identifier settings

```
POST /api/settings/identifier/
```

45.15.1. Description

This endpoint changes the N2WS identifier settings.

Permissions and Restrictions:
* Only the root user can change the identifier settings.
* Note: Using this API will generate a new N2WS's UUID identifer and override the existing one.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

45.15.2. Parameters

Type	Name	Schema
Body	**data_settings_identifier_create** *required*	data_settings_identifier_create

data_settings_identifier_create

Name	Description	Schema
cpm_name *required*	N2WS server's name.	string

45.15.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_identifier_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identifier_create

Name	Description	Schema
cpm_name *optional*	N2WS server's name.	string
cpm_uuid *optional*	N2WS server's unique identifier.	string

45.15.4. Consumes

- `application/json`

45.15.5. Produces

- `application/json`

45.16. Retrieve the N2WS identifier settings

```
GET /api/settings/identifier/
```

45.16.1. Description

This endpoint returns the N2WS identifier settings.

Permissions and Restrictions:
* Only root user can get the cleanup settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

45.16.2. Responses

HTTP Code	Description	Schema
200	OK	response_settings_identifier_read
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identifier_read

Name	Description	Schema
cpm_name *optional*	N2WS server's name.	string
cpm_uuid *optional*	N2WS server's unique identifier.	string

45.16.3. Produces

- `application/json`

45.17. Update N2WS identifier settings

```
PUT /api/settings/identifier/
```

45.17.1. Description

This endpoint changes the N2WS identifier settings.

Permissions and Restrictions:
* Only the root user can change the identifier settings.
* Note: Using this API will not override the existing N2WS's UUID identifier.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.17.2. Parameters

Type	Name	Schema
Body	**data_settings_identifier_update** *required*	data_settings_identifier_update

data_settings_identifier_update

Name	Description	Schema
cpm_name *required*	N2WS server's name.	string

45.17.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_identifier_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_identifier_update

Name	Description	Schema
cpm_name *optional*	N2WS server's name.	string
cpm_uuid *optional*	N2WS server's unique identifier.	string

45.17.4. Consumes

- `application/json`

45.17.5. Produces

- `application/json`

45.18. Change N2WS identity provider settings

```
POST /api/settings/identity_provider/
```

45.18.1. Description

This endpoint changes the N2WS identity provider settings policy.

Permissions and Restrictions:
* Only the root user can change the identity provider settings.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

45.18.2. Parameters

Type	Name	Schema
Body	**data_settings_identity_provider_create** *required*	data_settings_identity_provider_create

data_settings_identity_provider_create

Name	Description	Schema
cpm_address *optional*	Identity provider's N2WS IP or DNS.	string
directory_service_enabled *optional*	Whether the identity provider is enabled.	boolean
entity_id *optional*	Identity provider's identifier (URI).	string
nameid_format *optional*	Identity provider's NameID format. **Allowed Enum Values** * email (Email Address) * x509 (x509) * windows (Windows Domain Qualified Name) * unspecified (Unspecified) * kerberos (Kerberos) * entity (Entity) * transient (Transient) * persistent (Persistent) * encrypted (Encrypted)	enum (email, x509, windows, unspecified, kerberos, entity, transient, persistent, encrypted)

Name	Description	Schema
signin_url *optional*	Authentication request target (URL).	string
signout_url *optional*	Logout request target (URL).	string
x509cert *optional*	Identity provider's x509 certification file.	string
x509cert_file *optional*	Identity provider's x509 certification file.	string
x509cert_filename *optional*	Identity provider's x509 certification file name.	string

45.18.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_identity_provider_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identity_provider_create

Name	Description	Schema
cpm_address *optional*	Identity provider's N2WS IP or DNS.	string
directory_service_enabled *optional*	Whether the identity provider is enabled.	boolean
entity_id *optional*	Identity provider's identifier (URI).	string
nameid_format *optional*	Identity provider's NameID format. **Allowed Enum Values** * email (Email Address) * x509 (x509) * windows (Windows Domain Qualified Name) * unspecified (Unspecified) * kerberos (Kerberos) * entity (Entity) * transient (Transient) * persistent (Persistent) * encrypted (Encrypted)	enum (email, x509, windows, unspecified, kerberos, entity, transient, persistent, encrypted)

Name	Description	Schema
redirect_url *optional*	Test connection URL. Only applicable on test connection.	string
signin_url *optional*	Authentication request target (URL).	string
signout_url *optional*	Logout request target (URL).	string
x509cert_filename *optional*	Identity provider's x509 certification file name.	string

45.18.4. Consumes

- `application/json`

45.18.5. Produces

- `application/json`

45.19. Retrieve the N2WS identity provider settings

```
GET /api/settings/identity_provider/
```

45.19.1. Description

This endpoint returns the N2WS identity provider settings.

Permissions and Restrictions:
* Only root user can get the identity provider settings.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

45.19.2. Responses

HTTP Code	Description	Schema
200	OK	response_settings_identity_provider_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identity_provider_list

Name	Description	Schema
cpm_address *optional*	Identity provider's N2WS IP or DNS.	string
directory_service_enabled *optional*	Whether the identity provider is enabled.	boolean
entity_id *optional*	Identity provider's identifier (URI).	string

Name	Description	Schema
nameid_format *optional*	Identity provider's NameID format. **Allowed Enum Values** * email (Email Address) * x509 (x509) * windows (Windows Domain Qualified Name) * unspecified (Unspecified) * kerberos (Kerberos) * entity (Entity) * transient (Transient) * persistent (Persistent) * encrypted (Encrypted)	enum (email, x509, windows, unspecified, kerberos, entity, transient, persistent, encrypted)
redirect_url *optional*	Test connection URL. Only applicable on test connection.	string
signin_url *optional*	Authentication request target (URL).	string
signout_url *optional*	Logout request target (URL).	string
x509cert_filename *optional*	Identity provider's x509 certification file name.	string

45.19.3. Produces

- `application/json`

45.20. Retrieve the N2WS IP and DNS addresses

```
GET /api/settings/identity_provider/cpm_addresses/
```

45.20.1. Description

This endpoint returns a list of N2WS IP and DNS addresses.

Permissions and Restrictions:
* Only root user can get the identity provider settings.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.20.2. Responses

HTTP Code	Description	Schema
200	OK	response_settings_identity_provider_get_cpm_address
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identity_provider_get_cpm_address

Name	Description	Schema
address *optional*	IP address or DNS of the N2WS server.	string
address_type *optional*	Is this IP address or DNS of the N2WS server.	string

45.20.3. Produces

- `application/json`

45.21. List the settings for the N2WS identity provider's groups

```
GET /api/settings/identity_provider/groups/
```

45.21.1. Description

This endpoint returns a list of settings for the N2WS identity provider's groups.

Permissions and Restrictions:
* Only root user can get the identity provider settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

45.21.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.21.3. Responses

HTTP Code	Description	Schema
200	OK	< response_settings_identity_provider_groups_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identity_provider_groups_list

Name	Description	Schema
allow_account_changes *optional*	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
allow_backup_changes *optional*	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean

Name	Description	Schema
allow_cost_explorer *optional*	Identity provider group allowed cost explorer.	boolean
allow_file_level_restore *optional*	Identity provider group allowed file level recovery.	boolean
allow_recovery *optional*	Whether the delegate is able to perform recovery operations.	boolean
allow_volumes_occupied_percent *optional*	Identity provider group allowed volumes occupied percent.	boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
max_accounts *optional*	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Identity provider group max number of AWS accounts.	integer
max_azure_accounts *optional*	Identity provider group max number of AZURE accounts.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Identity provider group max DynamoDB tables (GiB).	integer
max_independent_ebs_gib *optional*	Identity provider group max non-instance EBS (GiB).	integer
max_instances *optional*	Identity provider group max number of instances.	integer
max_rds_gib *optional*	Identity provider group max RDS (GiB).	integer

Name	Description	Schema
max_redshift_gib *optional*	Identity provider group max Redshift clusters (GiB).	integer
name *optional*	Identity provider group name.	string
original_username *optional*	Identity provider group original username.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate. **Allowed Enum Values** * I (Independent) * M (Managed) * D (Delegate)	enum (I, M, D)
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

45.21.4. Produces

- `application/json`

45.22. Create a N2WS identity provider's group settings

```
POST /api/settings/identity_provider/groups/delegates/
```

45.22.1. Description

This endpoint creates a new N2WS identity provider's group settings.

Permissions and Restrictions:
* Only root user can create the identity provider settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

45.22.2. Parameters

Type	Name	Schema
Body	**data_settings_identity_provider_groups_delegates_create** *required*	data_settings_identity_provider_groups_delegates_create

data_settings_identity_provider_groups_delegates_create

Name	Description	Schema
allow_account_changes *optional*	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
allow_backup_changes *optional*	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
allow_recovery *optional*	Whether the delegate is able to perform recovery operations.	boolean
allow_settings_changes *optional*		boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
name *required*	Identity provider group name.	string
original_username *required*	Identity provider group original username.	string

45.22.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_identity_provider_groups_delegates_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identity_provider_groups_delegates_create

Name	Description	Schema
allow_account_changes *optional*	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
allow_backup_changes *optional*	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
allow_recovery *optional*	Whether the delegate is able to perform recovery operations.	boolean
allow_settings_changes *optional*		boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Identity provider group name.	string
original_username *optional*	Identity provider group original username.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

45.22.4. Consumes

- `application/json`

45.22.5. Produces

- `application/json`

45.23. List the settings for the N2WS identity provider's groups

```
GET /api/settings/identity_provider/groups/delegates/
```

45.23.1. Description

This endpoint returns a list of settings for the N2WS identity provider's groups.

Permissions and Restrictions:
* Only root user can get the identity provider settings.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.23.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.23.3. Responses

HTTP Code	Description	Schema
200	OK	< response_settings_identity_provider_groups_delegates_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identity_provider_groups_delegates_list

Name	Description	Schema
allow_account_changes *optional*	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
allow_backup_changes *optional*	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean

Name	Description	Schema
allow_recovery *optional*	Whether the delegate is able to perform recovery operations.	boolean
allow_settings_changes *optional*		boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Identity provider group name.	string
original_username *optional*	Identity provider group original username.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

45.23.4. Produces

- `application/json`

45.24. Retrieve the settings for the N2WS identity provider's groups.

```
GET /api/settings/identity_provider/groups/delegates/{id}/
```

45.24.1. Description

This endpoint returns the settings for the N2WS identity provider's groups.

Permissions and Restrictions:
* Only root user can get the identity provider settings.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.24.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

45.24.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_identity_provider_groups_delegates_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_identity_provider_groups_delegates_read

Name	Description	Schema
allow_account_changes *optional*	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
allow_backup_changes *optional*	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
allow_recovery *optional*	Whether the delegate is able to perform recovery operations.	boolean

Name	Description	Schema
allow_settings_changes *optional*		boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Identity provider group name.	string
original_username *optional*	Identity provider group original username.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

45.24.4. Produces

- `application/json`

45.25. Update a N2WS identity provider's group settings

```
PUT /api/settings/identity_provider/groups/delegates/{id}/
```

45.25.1. Description

This endpoint updates a N2WS identity provider's group settings.

Permissions and Restrictions:
* Only root user can update the identity provider settings.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.25.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_settings_identity_provider_groups_delegates_update** *required*	data_settings_identity_provider_groups_delegates_update

data_settings_identity_provider_groups_delegates_update

Name	Description	Schema
allow_account_changes *optional*	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
allow_backup_changes *optional*	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
allow_recovery *optional*	Whether the delegate is able to perform recovery operations.	boolean
allow_settings_changes *optional*		boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
name *required*	Identity provider group name.	string
original_username *required*	Identity provider group original username.	string

45.25.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_identity_provider_groups_delegates_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_identity_provider_groups_delegates_update

Name	Description	Schema
allow_account_changes *optional*	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
allow_backup_changes *optional*	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
allow_recovery *optional*	Whether the delegate is able to perform recovery operations.	boolean
allow_settings_changes *optional*		boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Identity provider group name.	string
original_username *optional*	Identity provider group original username.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

45.25.4. Consumes

- `application/json`

45.25.5. Produces

- `application/json`

45.26. Delete a N2WS identity provider's group settings

```
DELETE /api/settings/identity_provider/groups/delegates/{id}/
```

45.26.1. Description

This endpoint deletes the settings for a N2WS identity provider's group.

Permissions and Restrictions:
* Only root user can delete the identity provider settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

45.26.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

45.26.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

45.27. Create a N2WS identity provider's group settings

```
POST /api/settings/identity_provider/groups/users/
```

45.27.1. Description

This endpoint creates a new N2WS identity provider's group settings.

Permissions and Restrictions:
* Only root user can create the identity provider settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

45.27.2. Parameters

Type	Name	Schema
Body	**data_settings_identity_provider_groups_users_create** *required*	data_settings_identity_provider_groups_users_create

data_settings_identity_provider_groups_users_create

Name	Description	Schema
allow_cost_explorer *optional*	Identity provider group allowed cost explorer.	boolean
allow_file_level_restore *optional*	Identity provider group allowed file level recovery.	boolean
allow_volumes_occupied_percent *optional*	Identity provider group allowed volumes occupied percent.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
max_accounts *optional*	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Identity provider group max number of AWS accounts.	integer
max_azure_accounts *optional*	Identity provider group max number of AZURE accounts.	integer

Name	Description	Schema
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Identity provider group max DynamoDB tables (GiB).	integer
max_independent_ebs_gib *optional*	Identity provider group max non-instance EBS (GiB).	integer
max_instances *optional*	Identity provider group max number of instances.	integer
max_rds_gib *optional*	Identity provider group max RDS (GiB).	integer
max_redshift_gib *optional*	Identity provider group max Redshift clusters (GiB).	integer
name *required*	Identity provider group name.	string
user_type *required*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

45.27.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_identity_provider_groups_users_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identity_provider_groups_users_create

Name	Description	Schema
allow_cost_explorer *optional*	Identity provider group allowed cost explorer.	boolean
allow_file_level_restore *optional*	Identity provider group allowed file level recovery.	boolean
allow_volumes_occupied_percent *optional*	Identity provider group allowed volumes occupied percent.	boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
max_accounts *optional*	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Identity provider group max number of AWS accounts.	integer
max_azure_accounts *optional*	Identity provider group max number of AZURE accounts.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Identity provider group max DynamoDB tables (GiB).	integer
max_independent_ebs_gib *optional*	Identity provider group max non-instance EBS (GiB).	integer
max_instances *optional*	Identity provider group max number of instances.	integer
max_rds_gib *optional*	Identity provider group max RDS (GiB).	integer
max_redshift_gib *optional*	Identity provider group max Redshift clusters (GiB).	integer

Name	Description	Schema
name *optional*	Identity provider group name.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

45.27.4. Consumes

- `application/json`

45.27.5. Produces

- `application/json`

45.28. List the settings for the N2WS identity provider's groups

```
GET /api/settings/identity_provider/groups/users/
```

45.28.1. Description

This endpoint returns a list of settings for the N2WS identity provider's groups.

Permissions and Restrictions:
* Only root user can get the identity provider settings.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.28.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.28.3. Responses

HTTP Code	Description	Schema
200	OK	< response_settings_identity_provider_groups_users_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_identity_provider_groups_users_list

Name	Description	Schema
allow_cost_explorer *optional*	Identity provider group allowed cost explorer.	boolean
allow_file_level_restore *optional*	Identity provider group allowed file level recovery.	boolean

Name	Description	Schema
allow_volumes_occupied_percent *optional*	Identity provider group allowed volumes occupied percent.	boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
max_accounts *optional*	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Identity provider group max number of AWS accounts.	integer
max_azure_accounts *optional*	Identity provider group max number of AZURE accounts.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Identity provider group max DynamoDB tables (GiB).	integer
max_independent_ebs_gib *optional*	Identity provider group max non-instance EBS (GiB).	integer
max_instances *optional*	Identity provider group max number of instances.	integer
max_rds_gib *optional*	Identity provider group max RDS (GiB).	integer
max_redshift_gib *optional*	Identity provider group max Redshift clusters (GiB).	integer
name *optional*	Identity provider group name.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

Name	Description	Schema
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

45.28.4. Produces

- `application/json`

45.29. Retrieve the settings for the N2WS identity provider's groups.

```
GET /api/settings/identity_provider/groups/users/{id}/
```

45.29.1. Description

This endpoint returns the settings for the N2WS identity provider's groups.

Permissions and Restrictions:
* Only root user can get the identity provider settings.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.29.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

45.29.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_identity_provider_groups_users_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_identity_provider_groups_users_read

Name	Description	Schema
allow_cost_explorer *optional*	Identity provider group allowed cost explorer.	boolean
allow_file_level_restore *optional*	Identity provider group allowed file level recovery.	boolean

Name	Description	Schema
allow_volumes_occupied_percent *optional*	Identity provider group allowed volumes occupied percent.	boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
max_accounts *optional*	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Identity provider group max number of AWS accounts.	integer
max_azure_accounts *optional*	Identity provider group max number of AZURE accounts.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Identity provider group max DynamoDB tables (GiB).	integer
max_independent_ebs_gib *optional*	Identity provider group max non-instance EBS (GiB).	integer
max_instances *optional*	Identity provider group max number of instances.	integer
max_rds_gib *optional*	Identity provider group max RDS (GiB).	integer
max_redshift_gib *optional*	Identity provider group max Redshift clusters (GiB).	integer
name *optional*	Identity provider group name.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

Name	Description	Schema
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

45.29.4. Produces

- `application/json`

45.30. Update a N2WS identity provider's group settings

```
PUT /api/settings/identity_provider/groups/users/{id}/
```

45.30.1. Description

This endpoint updates a N2WS identity provider's group settings.

Permissions and Restrictions:
* Only root user can update the identity provider settings.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.30.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_settings_identity_provider_groups_users_update** *required*	data_settings_identity_provider_groups_users_update

data_settings_identity_provider_groups_users_update

Name	Description	Schema
allow_cost_explorer *optional*	Identity provider group allowed cost explorer.	boolean
allow_file_level_restore *optional*	Identity provider group allowed file level recovery.	boolean
allow_volumes_occupied_percent *optional*	Identity provider group allowed volumes occupied percent.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
max_accounts *optional*	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Identity provider group max number of AWS accounts.	integer

Name	Description	Schema
max_azure_accounts *optional*	Identity provider group max number of AZURE accounts.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Identity provider group max DynamoDB tables (GiB).	integer
max_independent_ebs_gib *optional*	Identity provider group max non-instance EBS (GiB).	integer
max_instances *optional*	Identity provider group max number of instances.	integer
max_rds_gib *optional*	Identity provider group max RDS (GiB).	integer
max_redshift_gib *optional*	Identity provider group max Redshift clusters (GiB).	integer
name *required*	Identity provider group name.	string
user_type *required*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

45.30.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_identity_provider_groups_users_update
400	Bad Request	No Content
401	Unauthorized	No Content

HTTP Code	Description	Schema
403	Forbidden	No Content
404	Not Found	No Content

response_settings_identity_provider_groups_users_update

Name	Description	Schema
allow_cost_explorer *optional*	Identity provider group allowed cost explorer.	boolean
allow_file_level_restore *optional*	Identity provider group allowed file level recovery.	boolean
allow_volumes_occupied_percent *optional*	Identity provider group allowed volumes occupied percent.	boolean
default_group *optional*	Identity provider default group - created by N2WS, not by user.	boolean
enabled *optional*	Whether an identity provider group is enabled.	boolean
id *optional*	Unique ID of the resource in N2WS.	integer
max_accounts *optional*	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Identity provider group max number of AWS accounts.	integer
max_azure_accounts *optional*	Identity provider group max number of AZURE accounts.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Identity provider group max DynamoDB tables (GiB).	integer
max_independent_ebs_gib *optional*	Identity provider group max non-instance EBS (GiB).	integer

Name	Description	Schema
max_instances *optional*	Identity provider group max number of instances.	integer
max_rds_gib *optional*	Identity provider group max RDS (GiB).	integer
max_redshift_gib *optional*	Identity provider group max Redshift clusters (GiB).	integer
name *optional*	Identity provider group name.	string
user_type *optional*	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

45.30.4. Consumes

- `application/json`

45.30.5. Produces

- `application/json`

45.31. Delete a N2WS identity provider's group settings

```
DELETE /api/settings/identity_provider/groups/users/{id}/
```

45.31.1. Description

This endpoint deletes the settings for a N2WS identity provider's group.

Permissions and Restrictions:
* Only root user can delete the identity provider settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

45.31.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

45.31.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

45.32. Test the N2WS active directory connection

```
POST /api/settings/identity_provider/test_connection/
```

45.32.1. Description

This endpoint tests the N2WS active directory connection.

Permissions and Restrictions:
* Only root user can test the N2WS active directory connection, limited by the license.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

45.32.2. Parameters

Type	Name	Schema
Body	**data_settings_identity_provider_test_connection** *required*	data_settings_identity_provider_test_connection

data_settings_identity_provider_test_connection

Name	Description	Schema
cpm_address *optional*	Identity provider's N2WS IP or DNS.	string
directory_service_enabled *optional*	Whether the identity provider is enabled.	boolean
entity_id *optional*	Identity provider's identifier (URI).	string
nameid_format *optional*	Identity provider's NameID format. **Allowed Enum Values** * email (Email Address) * x509 (x509) * windows (Windows Domain Qualified Name) * unspecified (Unspecified) * kerberos (Kerberos) * entity (Entity) * transient (Transient) * persistent (Persistent) * encrypted (Encrypted)	enum (email, x509, windows, unspecified, kerberos, entity, transient, persistent, encrypted)

Name	Description	Schema
signin_url *optional*	Authentication request target (URL).	string
signout_url *optional*	Logout request target (URL).	string
x509cert *optional*	Identity provider's x509 certification file.	string
x509cert_file *optional*	Identity provider's x509 certification file.	string
x509cert_filename *optional*	Identity provider's x509 certification file name.	string

45.32.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.32.4. Consumes

- `application/json`

45.33. Create N2WS notifications settings

```
POST /api/settings/notifications/
```

45.33.1. Description

This endpoint creates the N2WS notifications settings policy.

Permissions and Restrictions:
* Any authenticated user can change his own settings.
* Using IAM role is only allowed for root user.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

45.33.2. Parameters

Type	Name	Schema
Body	**data_settings_notifications_create** *required*	data_settings_notifications_create

data_settings_notifications_create

Name	Description	Schema
alerts *optional*		data_settings_notifications_create_alerts
daily_summary *optional*		data_settings_notifications_create_daily_summary
include_managed_user_alerts *optional*	Include managed users alerts.	boolean
notifications_publish_method *optional*	**Allowed Enum Values** * A (AWS SNS) * S (SMTP)	enum (A, S)

Name	Description	Schema
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_email_address *optional*	SMTP sender email address.	string
smtp_password *optional*	SMTP password.	string
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_password *optional*		string
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
smtp_proxy_username *optional*		string
smtp_server *optional*	SMTP server.	string
sns_access_key *optional*	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
sns_account *optional*	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
sns_authentication *optional*	Authentication method. **Allowed Enum Values** * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
sns_region *optional*	AWS region for the SNS service.	string
sns_secret_key *optional*	AWS secret key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string

Name	Description	Schema
user *required*	ID of the owner user.	integer

data_settings_notifications_create_alerts

Name	Schema
add_user_email *optional*	boolean
create_new_topic *optional*	boolean
enabled *optional*	boolean
smtp_alert_recipients *optional*	< string > array
sns_alerts_topic_arn *optional*	string

data_settings_notifications_create_daily_summary

Name	Schema
add_user_email_to_summary *optional*	boolean
create_new_summery_topic *optional*	boolean
enable_summary *optional*	boolean
smtp_daily_summary_recipients *optional*	< string > array
sns_summary_topic_arn *optional*	string
summary_daily_time *optional*	string
use_same_sns_topic *optional*	boolean

45.33.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_notifications_create

HTTP Code	Description	Schema
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_notifications_create

Name	Description	Schema
alerts *optional*		response_settings_notifications_create_alerts
daily_summary *optional*		response_settings_notifications_create_daily_summary
id *optional*	Unique ID of the resource in N2WS.	integer
include_managed_user_alerts *optional*	Include managed users alerts.	boolean
notifications_publish_method *optional*	**Allowed Enum Values** * A (AWS SNS) * S (SMTP)	enum (A, S)
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_email_address *optional*	SMTP sender email address.	string
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)

Name	Description	Schema
smtp_proxy_username *optional*		string
smtp_server *optional*	SMTP server.	string
sns_access_key *optional*	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
sns_account *optional*	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
sns_authentication *optional*	Authentication method. **Allowed Enum Values** * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
sns_region *optional*	AWS region for the SNS service.	string
user *optional*	ID of the owner user.	integer

response_settings_notifications_create_alerts

Name	Schema
enabled *optional*	boolean
smtp_alert_recipients *optional*	< string > array
sns_alerts_topic_arn *optional*	string

response_settings_notifications_create_daily_summary

Name	Schema
enable_summary *optional*	boolean
smtp_daily_summary_recipients *optional*	< string > array
sns_summary_topic_arn *optional*	string
summary_daily_time *optional*	string

Name	Schema
use_same_sns_topic *optional*	boolean

45.33.4. Consumes

- `application/json`

45.33.5. Produces

- `application/json`

45.34. Get N2WS notifications settings

```
GET /api/settings/notifications/
```

45.34.1. Description

This endpoint returns the N2WS notifications settings.

Permissions and Restrictions:
* Any authenticated user can get his own settings.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.4.0`

45.34.2. Parameters

Type	Name	Description	Schema
Query	**user** *optional*	ID of the owner user.	string

45.34.3. Responses

HTTP Code	Description	Schema
200	OK	< response_settings_notifications_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_notifications_list

Name	Description	Schema
alerts *optional*		response_settings_notifications_list_alerts
daily_summary *optional*		response_settings_notifications_list_daily_summary
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
include_managed_user_alerts *optional*	Include managed users alerts.	boolean
notifications_publish_method *optional*	**Allowed Enum Values** * A (AWS SNS) * S (SMTP)	enum (A, S)
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_email_address *optional*	SMTP sender email address.	string
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
smtp_proxy_username *optional*		string
smtp_server *optional*	SMTP server.	string
sns_access_key *optional*	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
sns_account *optional*	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
sns_authentication *optional*	Authentication method. **Allowed Enum Values** * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
sns_region *optional*	AWS region for the SNS service.	string

Name	Description	Schema
user *optional*	ID of the owner user.	integer

response_settings_notifications_list_alerts

Name	Schema
enabled *optional*	boolean
smtp_alert_recipients *optional*	< string > array
sns_alerts_topic_arn *optional*	string

response_settings_notifications_list_daily_summary

Name	Schema
enable_summary *optional*	boolean
smtp_daily_summary_recipients *optional*	< string > array
sns_summary_topic_arn *optional*	string
summary_daily_time *optional*	string
use_same_sns_topic *optional*	boolean

45.34.4. Produces

- `application/json`

45.35. Retrieve a N2WS notifications settings

```
GET /api/settings/notifications/{id}/
```

45.35.1. Description

This endpoint returns the N2WS notifications settings for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated non-delegate user can get his own N2WS notifications.
* Root user can also get the N2WS notifications of the managed users.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.35.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

45.35.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_notifications_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_notifications_read

Name	Description	Schema
alerts *optional*		response_settings_notifications_read_alerts
daily_summary *optional*		response_settings_notifications_read_daily_summary

Name	Description	Schema
id *optional*	Unique ID of the resource in N2WS.	integer
include_managed_user_alerts *optional*	Include managed users alerts.	boolean
notifications_publish_method *optional*	**Allowed Enum Values** * A (AWS SNS) * S (SMTP)	enum (A, S)
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_email_address *optional*	SMTP sender email address.	string
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
smtp_proxy_username *optional*		string
smtp_server *optional*	SMTP server.	string
sns_access_key *optional*	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
sns_account *optional*	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
sns_authentication *optional*	Authentication method. **Allowed Enum Values** * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)

Name	Description	Schema
sns_region *optional*	AWS region for the SNS service.	string
user *optional*	ID of the owner user.	integer

response_settings_notifications_read_alerts

Name	Schema
enabled *optional*	boolean
smtp_alert_recipients *optional*	< string > array
sns_alerts_topic_arn *optional*	string

response_settings_notifications_read_daily_summary

Name	Schema
enable_summary *optional*	boolean
smtp_daily_summary_recipients *optional*	< string > array
sns_summary_topic_arn *optional*	string
summary_daily_time *optional*	string
use_same_sns_topic *optional*	boolean

45.35.4. Produces

- `application/json`

45.36. Change N2WS notifications settings

```
PUT /api/settings/notifications/{id}/
```

45.36.1. Description

This endpoint changes the N2WS notifications settings policy.

Permissions and Restrictions:
* Any authenticated user can change his own settings.
* Using IAM role is only allowed for root user.

- *Initial Release:* `1.5.0`
- *Last Modified Version:* `1.5.0`

45.36.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_settings_notifications_update** *required*	data_settings_notifications_update

data_settings_notifications_update

Name	Description	Schema
alerts *optional*		data_settings_notifications_update_alerts
daily_summary *optional*		data_settings_notifications_update_daily_summary
include_managed_user_alerts *optional*	Include managed users alerts.	boolean
notifications_publish_method *optional*	**Allowed Enum Values** * A (AWS SNS) * S (SMTP)	enum (A, S)

Name	Description	Schema
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_email_address *optional*	SMTP sender email address.	string
smtp_password *optional*	SMTP password.	string
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_password *optional*		string
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
smtp_proxy_username *optional*		string
smtp_server *optional*	SMTP server.	string
sns_access_key *optional*	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
sns_account *optional*	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
sns_authentication *optional*	Authentication method. **Allowed Enum Values** * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
sns_region *optional*	AWS region for the SNS service.	string
sns_secret_key *optional*	AWS secret key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string

data_settings_notifications_update_alerts

Name	Schema
add_user_email *optional*	boolean
create_new_topic *optional*	boolean
enabled *optional*	boolean
smtp_alert_recipients *optional*	< string > array
sns_alerts_topic_arn *optional*	string

data_settings_notifications_update_daily_summary

Name	Schema
add_user_email_to_summary *optional*	boolean
create_new_summery_topic *optional*	boolean
enable_summary *optional*	boolean
smtp_daily_summary_recipients *optional*	< string > array
sns_summary_topic_arn *optional*	string
summary_daily_time *optional*	string
use_same_sns_topic *optional*	boolean

45.36.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_notifications_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_notifications_update

Name	Description	Schema
alerts *optional*		response_settings_notifications_update_alerts
daily_summary *optional*		response_settings_notifications_update_daily_summary
id *optional*	Unique ID of the resource in N2WS.	integer
include_managed_user_alerts *optional*	Include managed users alerts.	boolean
notifications_publish_method *optional*	**Allowed Enum Values** * A (AWS SNS) * S (SMTP)	enum (A, S)
smtp_connection_method *optional*	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). **Allowed Enum Values** * T (TLS) * ST (STARTTLS)	enum (T, ST)
smtp_email_address *optional*	SMTP sender email address.	string
smtp_port *optional*	SMTP port.	integer
smtp_proxy_address *optional*		string
smtp_proxy_enabled *optional*		boolean
smtp_proxy_port *optional*		integer
smtp_proxy_socks_version *optional*	**Allowed Enum Values** * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
smtp_proxy_username *optional*		string
smtp_server *optional*	SMTP server.	string
sns_access_key *optional*	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string

Name	Description	Schema
sns_account *optional*	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
sns_authentication *optional*	Authentication method. **Allowed Enum Values** * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
sns_region *optional*	AWS region for the SNS service.	string
user *optional*	ID of the owner user.	integer

response_settings_notifications_update_alerts

Name	Schema
enabled *optional*	boolean
smtp_alert_recipients *optional*	< string > array
sns_alerts_topic_arn *optional*	string

response_settings_notifications_update_daily_summary

Name	Schema
enable_summary *optional*	boolean
smtp_daily_summary_recipients *optional*	< string > array
sns_summary_topic_arn *optional*	string
summary_daily_time *optional*	string
use_same_sns_topic *optional*	boolean

45.36.4. Consumes

- `application/json`

45.36.5. Produces

- `application/json`

45.37. Test daily summary settings

```
POST /api/settings/notifications/{id}/test_daily_summary/
```

45.37.1. Description

This endpoint tests daily summary settings for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated non-delegate user can test his own settings.
* Root user can also test the settings of the managed users.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.37.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

45.37.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.38. Create N2WS password settings

```
POST /api/settings/password/
```

45.38.1. Description

This endpoint changes the N2WS password settings.

Permissions and Restrictions:
* Only the root user can change the password settings.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

45.38.2. Parameters

Type	Name	Schema
Body	**data_settings_password_create** *required*	data_settings_password_create

data_settings_password_create

Name	Description	Schema
enable_password_history_and_expiration *optional*	Enables/Disables N2WS users password expiration feature	boolean
enable_password_rules *optional*	Enables/Disables N2WS users password rules	boolean
password_expiration_time_unit *optional*	In case that password expiration is on, sets the time units for how long should the password live Options are: Days ('D'), Weeks ('W'), Months ('M'), Years ('Y') **Allowed Enum Values** * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)
password_expiration_time_value *optional*	In case that password expiration is on, sets the numeric value for how long should the password live	integer

Name	Description	Schema
password_history_depth *optional*	In case that password history rule is enabled, sets the password history depth. Explanation: If value is 1, can't repeat last password, if it is 3, can't repeat last 3 passwords.	integer

45.38.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_password_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_password_create

Name	Description	Schema
enable_password_history_and_expiration *optional*	Enables/Disables N2WS users password expiration feature	boolean
enable_password_rules *optional*	Enables/Disables N2WS users password rules	boolean
password_expiration_time_unit *optional*	In case that password expiration is on, sets the time units for how long should the password live Options are: Days ('D'), Weeks ('W'), Months ('M'), Years ('Y') **Allowed Enum Values** * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)
password_expiration_time_value *optional*	In case that password expiration is on, sets the numeric value for how long should the password live	integer
password_history_depth *optional*	In case that password history rule is enabled, sets the password history depth. Explanation: If value is 1, can't repeat last password, if it is 3, can't repeat last 3 passwords.	integer

45.38.4. Consumes

- application/json

45.38.5. Produces

- application/json

45.39. Retrieve the N2WS password settings

```
GET /api/settings/password/
```

45.39.1. Description

This endpoint returns the N2WS password settings.

Permissions and Restrictions:
* Only root user can get the password settings.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

45.39.2. Responses

HTTP Code	Description	Schema
200	OK	response_settings_password_read
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_password_read

Name	Description	Schema
enable_password_history_and_expiration *optional*	Enables/Disables N2WS users password expiration feature	boolean
enable_password_rules *optional*	Enables/Disables N2WS users password rules	boolean
password_expiration_time_unit *optional*	In case that password expiration is on, sets the time units for how long should the password live Options are: Days ('D'), Weeks ('W'), Months ('M'), Years ('Y') **Allowed Enum Values** * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)

Name	Description	Schema
password_expiration_time_value *optional*	In case that password expiration is on, sets the numeric value for how long should the password live	integer
password_history_depth *optional*	In case that password history rule is enabled, sets the password history depth. Explanation: If value is 1, can't repeat last password, if it is 3, can't repeat last 3 passwords.	integer

45.39.3. Produces

- `application/json`

45.40. Update N2WS password settings

```
PUT /api/settings/password/
```

45.40.1. Description

This endpoint changes the N2WS password settings.

Permissions and Restrictions:
* Only the root user can change the password settings.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

45.40.2. Parameters

Type	Name	Schema
Body	**data_settings_password_update** *required*	data_settings_password_update

data_settings_password_update

Name	Description	Schema
enable_password_history_and_expiration *optional*	Enables/Disables N2WS users password expiration feature	boolean
enable_password_rules *optional*	Enables/Disables N2WS users password rules	boolean
password_expiration_time_unit *optional*	In case that password expiration is on, sets the time units for how long should the password live Options are: Days ('D'), Weeks ('W'), Months ('M'), Years ('Y') **Allowed Enum Values** * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)
password_expiration_time_value *optional*	In case that password expiration is on, sets the numeric value for how long should the password live	integer

Name	Description	Schema
password_history_depth *optional*	In case that password history rule is enabled, sets the password history depth. Explanation: If value is 1, can't repeat last password, if it is 3, can't repeat last 3 passwords.	integer

45.40.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_password_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_password_update

Name	Description	Schema
enable_password_history_and_expiration *optional*	Enables/Disables N2WS users password expiration feature	boolean
enable_password_rules *optional*	Enables/Disables N2WS users password rules	boolean
password_expiration_time_unit *optional*	In case that password expiration is on, sets the time units for how long should the password live Options are: Days ('D'), Weeks ('W'), Months ('M'), Years ('Y') **Allowed Enum Values** * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)
password_expiration_time_value *optional*	In case that password expiration is on, sets the numeric value for how long should the password live	integer
password_history_depth *optional*	In case that password history rule is enabled, sets the password history depth. Explanation: If value is 1, can't repeat last password, if it is 3, can't repeat last 3 passwords.	integer

45.40.4. Consumes

- application/json

45.40.5. Produces

- application/json

45.41. Create N2WS password rules settings

```
POST /api/settings/password_rules/
```

45.41.1. Description

This endpoint changes the N2WS password rules settings.

Permissions and Restrictions:
* Only the root user can change the password rules settings.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

45.41.2. Parameters

Type	Name	Schema
Body	**data_settings_password_rules_create** *required*	data_settings_password_rules_create

data_settings_password_rules_create

Name	Description	Schema
enable_common_password *optional*	Enables/Disables N2WS avoid common password rule	boolean
enable_non_numeric_only_password *optional*	Enables/Disables N2WS non numeric only rule	boolean
enable_password_length *optional*	Enables/Disables N2WS password length rule	boolean
password_minimal_length *optional*	Sets minimal password length for password length rule	integer
password_must_contain_lower_case_letters *optional*	Force all N2WS's users passwords to contain lower-case letters	boolean
password_must_contain_numbers *optional*	Force all N2WS's users passwords to contain numbers	boolean

Name	Description	Schema
password_must_contain_symbols *optional*	Force all N2WS's users passwords to contain symbols	boolean
password_must_contain_upper_case_letters *optional*	Force all N2WS's users passwords to contain upper-case letters	boolean

45.41.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_password_rules_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_password_rules_create

Name	Description	Schema
enable_common_password *optional*	Enables/Disables N2WS avoid common password rule	boolean
enable_non_numeric_only_password *optional*	Enables/Disables N2WS non numeric only rule	boolean
enable_password_length *optional*	Enables/Disables N2WS password length rule	boolean
password_minimal_length *optional*	Sets minimal password length for password length rule	integer
password_must_contain_lower_case_letters *optional*	Force all N2WS's users passwords to contain lower-case letters	boolean
password_must_contain_numbers *optional*	Force all N2WS's users passwords to contain numbers	boolean
password_must_contain_symbols *optional*	Force all N2WS's users passwords to contain symbols	boolean
password_must_contain_upper_case_letters *optional*	Force all N2WS's users passwords to contain upper-case letters	boolean

45.41.4. Consumes

- application/json

45.41.5. Produces

- application/json

45.42. Retrieve the N2WS password rules settings

```
GET /api/settings/password_rules/
```

45.42.1. Description

This endpoint returns the N2WS password rules settings.

Permissions and Restrictions:
* Only root user can get the password rules settings.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

45.42.2. Responses

HTTP Code	Description	Schema
200	OK	response_settings_password_rules_read
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_password_rules_read

Name	Description	Schema
enable_common_password *optional*	Enables/Disables N2WS avoid common password rule	boolean
enable_non_numeric_only_password *optional*	Enables/Disables N2WS non numeric only rule	boolean
enable_password_length *optional*	Enables/Disables N2WS password length rule	boolean
password_minimal_length *optional*	Sets minimal password length for password length rule	integer
password_must_contain_lower_case_letters *optional*	Force all N2WS's users passwords to contain lower-case letters	boolean
password_must_contain_numbers *optional*	Force all N2WS's users passwords to contain numbers	boolean

Name	Description	Schema
password_must_contain_symbols *optional*	Force all N2WS's users passwords to contain symbols	boolean
password_must_contain_upper_case_letters *optional*	Force all N2WS's users passwords to contain upper-case letters	boolean

45.42.3. Produces

- `application/json`

45.43. Update N2WS password rules settings

```
PUT /api/settings/password_rules/
```

45.43.1. Description

This endpoint changes the N2WS password rules settings.

Permissions and Restrictions:
* Only the root user can change the password rules settings.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

45.43.2. Parameters

Type	Name	Schema
Body	**data_settings_password_rules_update** *required*	data_settings_password_rules_update

data_settings_password_rules_update

Name	Description	Schema
enable_common_password *optional*	Enables/Disables N2WS avoid common password rule	boolean
enable_non_numeric_only_password *optional*	Enables/Disables N2WS non numeric only rule	boolean
enable_password_length *optional*	Enables/Disables N2WS password length rule	boolean
password_minimal_length *optional*	Sets minimal password length for password length rule	integer
password_must_contain_lower_case_letters *optional*	Force all N2WS's users passwords to contain lower-case letters	boolean
password_must_contain_numbers *optional*	Force all N2WS's users passwords to contain numbers	boolean

Name	Description	Schema
password_must_contain_symbols *optional*	Force all N2WS's users passwords to contain symbols	boolean
password_must_contain_upper_case_letters *optional*	Force all N2WS's users passwords to contain upper-case letters	boolean

45.43.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_password_rules_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_password_rules_update

Name	Description	Schema
enable_common_password *optional*	Enables/Disables N2WS avoid common password rule	boolean
enable_non_numeric_only_password *optional*	Enables/Disables N2WS non numeric only rule	boolean
enable_password_length *optional*	Enables/Disables N2WS password length rule	boolean
password_minimal_length *optional*	Sets minimal password length for password length rule	integer
password_must_contain_lower_case_letters *optional*	Force all N2WS's users passwords to contain lower-case letters	boolean
password_must_contain_numbers *optional*	Force all N2WS's users passwords to contain numbers	boolean
password_must_contain_symbols *optional*	Force all N2WS's users passwords to contain symbols	boolean
password_must_contain_upper_case_letters *optional*	Force all N2WS's users passwords to contain upper-case letters	boolean

45.43.4. Consumes

- application/json

45.43.5. Produces

- application/json

45.44. Change N2WS proxy settings

```
POST /api/settings/proxy/
```

45.44.1. Description

This endpoint changes the N2WS proxy settings policy.

Permissions and Restrictions:
* Only the root user can change the proxy settings.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

45.44.2. Parameters

Type	Name	Schema
Body	**data_settings_proxy_create** *required*	data_settings_proxy_create

data_settings_proxy_create

Name	Description	Schema
address *optional*	Proxy address.	string
enabled *optional*	Connect via web proxy.	boolean
password *optional*	Proxy password.	string
port *optional*	Proxy port.	integer
user *optional*	Proxy user.	string

45.44.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_proxy_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_proxy_create

Name	Description	Schema
address *optional*	Proxy address.	string
enabled *optional*	Connect via web proxy.	boolean
port *optional*	Proxy port.	integer
user *optional*	Proxy user.	string

45.44.4. Consumes

- `application/json`

45.44.5. Produces

- `application/json`

45.45. Retrieve the N2WS proxy settings

```
GET /api/settings/proxy/
```

45.45.1. Description

This endpoint returns the N2WS proxy settings.

Permissions and Restrictions:
* Only root user can get the proxy settings.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

45.45.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.45.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_proxy_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_proxy_list

Name	Description	Schema
address *optional*	Proxy address.	string
enabled *optional*	Connect via web proxy.	boolean
port *optional*	Proxy port.	integer

Name	Description	Schema
user *optional*	Proxy user.	string

45.45.4. Produces

- `application/json`

45.46. Test the N2WS proxy settings connection

```
POST /api/settings/proxy/test_connection/
```

45.46.1. Description

This endpoint tests the N2WS proxy settings connection.

Permissions and Restrictions:
* Only root user can test the N2WS proxy settings connection, limited by the license.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

45.46.2. Parameters

Type	Name	Schema
Body	**data_settings_proxy_test_connection** *required*	data_settings_proxy_test_connection

data_settings_proxy_test_connection

Name	Description	Schema
address *optional*	Proxy address.	string
enabled *optional*	Connect via web proxy.	boolean
password *optional*	Proxy password.	string
port *optional*	Proxy port.	integer
user *optional*	Proxy user.	string

45.46.3. Responses

HTTP Code	Description	Schema
200	OK	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

45.46.4. Consumes

- `application/json`

45.47. Create N2WS security settings

```
POST /api/settings/security/
```

45.47.1. Description

This endpoint changes the N2WS security settings.

Permissions and Restrictions:
* Only the root user can change the security settings.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

45.47.2. Parameters

Type	Name	Schema
Body	**data_settings_security_create** *required*	data_settings_security_create

data_settings_security_create

Name	Description	Schema
encryption_key_detection *required*	Encryption Key Detection - For encrypted data Strict - DR encryption key must match, either with an alias or a custom tag.For shared encryption keys see user-guide.Use Default Key - If the encryption key is not matched, the default encryption key is used.Use Default and Alert - Use the default key and send an alert. **Allowed Enum Values** * S (Strict) * D (Use Default Key) * A (Use Default Key & Alert)	enum (S, D, A)

45.47.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_security_create
400	Bad Request	No Content

HTTP Code	Description	Schema
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_security_create

Name	Description	Schema
encryption_key_detection *optional*	Encryption Key Detection - For encrypted data Strict - DR encryption key must match, either with an alias or a custom tag.For shared encryption keys see user-guide.Use Default Key - If the encryption key is not matched, the default encryption key is used.Use Default and Alert - Use the default key and send an alert. **Allowed Enum Values** * S (Strict) * D (Use Default Key) * A (Use Default Key & Alert)	enum (S, D, A)

45.47.4. Consumes

- `application/json`

45.47.5. Produces

- `application/json`

45.48. Retrieve the N2WS security settings

```
GET /api/settings/security/
```

45.48.1. Description

This endpoint returns the N2WS security settings.

Permissions and Restrictions:
* Only root user can get the security settings.

- *Initial Release:* `1.3.0`
- *Last Modified Version:* `1.3.0`

45.48.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.48.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_security_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_security_list

Name	Description	Schema
encryption_key_detection *optional*	Encryption Key Detection - For encrypted data Strict - DR encryption key must match, either with an alias or a custom tag.For shared encryption keys see user-guide.Use Default Key - If the encryption key is not matched, the default encryption key is used.Use Default and Alert - Use the default key and send an alert. **Allowed Enum Values** * S (Strict) * D (Use Default Key) * A (Use Default Key & Alert)	enum (S, D, A)

45.48.4. Produces

- `application/json`

45.49. Change the N2WS tag scan settings

```
POST /api/settings/tagscan/
```

45.49.1. Description

This endpoint changes the N2WS tag scan settings.

Permissions and Restrictions:
* Only the root user can change the tag scan settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

45.49.2. Parameters

Type	Name	Schema
Body	**data_settings_tagscan_create** *required*	data_settings_tagscan_create

data_settings_tagscan_create

Name	Description	Schema
scan_resources *optional*	Scan resources for backup tag.	boolean
tag_scan_excluded_volumes_enabled *optional*		boolean
tag_scan_interval *required*	Tag scanning schedule interval (hours).	integer

45.49.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_tagscan_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_tagscan_create

Name	Description	Schema
last_resources_scan_time *optional*	Last time N2WS ran tag scan.	string
scan_resources *optional*	Scan resources for backup tag.	boolean
tag_scan_excluded_volumes_enabled *optional*		boolean
tag_scan_interval *optional*	Tag scanning schedule interval (hours).	integer

45.49.4. Consumes

- `application/json`

45.49.5. Produces

- `application/json`

45.50. Retrieve the N2WS tag scan settings

```
GET /api/settings/tagscan/
```

45.50.1. Description

This endpoint returns the N2WS tag scan settings.

Permissions and Restrictions:
* Only root user can get the tag scan settings.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.1.0`

45.50.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.50.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_tagscan_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_tagscan_list

Name	Description	Schema
last_resources_scan_time *optional*	Last time N2WS ran tag scan.	string
scan_resources *optional*	Scan resources for backup tag.	boolean
tag_scan_excluded_volumes_enabled *optional*		boolean

Name	Description	Schema
tag_scan_interval *optional*	Tag scanning schedule interval (hours).	integer

45.50.4. Produces

- `application/json`

45.51. List the selected logs - tag scan record

```
GET /api/settings/tagscan/logs/
```

45.51.1. Description

This endpoint returns a list of logs for the ID passed in the URL path.

Permissions and Restrictions:
* Any authenticated user can get his own logs.
* Root user can also get the logs of the managed users.
* Delegates can get the logs of their original user.

CSV Media Type:
* `text/csv` media type is supported in addition to the `application/json` type.

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `2.1.0`

45.51.2. Responses

HTTP Code	Description	Schema
200	OK	< response_settings_tagscan_list_logs > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_tagscan_list_logs

Name	Description	Schema
log *optional*	Log message.	string
log_time *optional*	Time of the logging.	string
log_type *optional*	Severity of the logging.	string

45.51.3. Produces

- `application/json`
- `text/csv`

45.52. Run the tag scan operation

```
POST /api/settings/tagscan/run/
```

45.52.1. Description

This endpoint runs the N2WS's tag scan operation.

Permissions and Restrictions:
* Only root user can perform this operation.

- *Initial Release:* `1.2.0`
- *Last Modified Version:* `1.2.0`

45.52.2. Responses

HTTP Code	Description	Schema
202	Accepted	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.53. Upload a new upgrade N2WS patch

```
POST /api/settings/upgrade_patches/
```

45.53.1. Description

This endpoint uploads a new upgrade patch.

Permissions and Restrictions:
* Only the root user can upload an upgrade patch.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.53.2. Parameters

Type	Name	Schema
Body	**data_settings_upgrade_patches_create** *required*	data_settings_upgrade_patches_create

data_settings_upgrade_patches_create

Name	Description	Schema
patch_file *required*	New patch file for upgrade operation.	string

45.53.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

45.53.4. Consumes

- `application/json`

45.54. Retrieve a list of N2WS upgrade pathces

```
GET /api/settings/upgrade_patches/
```

45.54.1. Description

This endpoint returns a list of N2WS upgrade patches.

Permissions and Restrictions:
* Only root user can get the N2WS patches list.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

45.54.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

45.54.3. Responses

HTTP Code	Description	Schema
200	OK	< response_settings_upgrade_patches_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_upgrade_patches_list

Name	Description	Schema
install_time *optional*	Time patch was installed.	string
name *optional*	Name of patch.	string
supported_versions *optional*	What versions supports this upgrade.	string

45.54.4. Produces

- application/json

45.55. Create a resource

```
POST /api/settings/user_ui_defaults/
```

45.55.1. Description

None

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

45.55.2. Parameters

Type	Name	Schema
Body	**data_settings_user_ui_defaults_create** *required*	data_settings_user_ui_defaults_create

data_settings_user_ui_defaults_create

Name	Schema
aws_enabled *optional*	boolean
azure_enabled *optional*	boolean

45.55.3. Responses

HTTP Code	Description	Schema
201	Created	response_settings_user_ui_defaults_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_user_ui_defaults_create

Name	Schema
aws_enabled *optional*	boolean

Name	Schema
azure_enabled *optional*	boolean

45.55.4. Consumes

- `application/json`

45.55.5. Produces

- `application/json`

45.56. Retrieve a N2WS user default settings

```
GET /api/settings/user_ui_defaults/
```

45.56.1. Description

This endpoint returns a N2WS user default settings.

Permissions and Restrictions:
* Only root user can get the this settings.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

45.56.2. Responses

HTTP Code	Description	Schema
200	OK	response_settings_user_ui_defaults_read
401	Unauthorized	No Content
403	Forbidden	No Content

response_settings_user_ui_defaults_read

Name	Schema
aws_enabled *optional*	boolean
azure_enabled *optional*	boolean

45.56.3. Produces

- `application/json`

45.57. Update N2WS user default settings

```
PUT /api/settings/user_ui_defaults/
```

45.57.1. Description

This endpoint changes the N2WS user defaults settings.

Permissions and Restrictions:
* Only the root user can change the user default settings.

- *Initial Release:* `2.1.0`
- *Last Modified Version:* `2.1.0`

45.57.2. Parameters

Type	Name	Schema
Body	**data_settings_user_ui_defaults_update** *required*	data_settings_user_ui_defaults_update

data_settings_user_ui_defaults_update

Name	Schema
aws_enabled *optional*	boolean
azure_enabled *optional*	boolean

45.57.3. Responses

HTTP Code	Description	Schema
200	OK	response_settings_user_ui_defaults_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_settings_user_ui_defaults_update

Name	Schema
aws_enabled *optional*	boolean
azure_enabled *optional*	boolean

45.57.4. Consumes

- `application/json`

45.57.5. Produces

- `application/json`

Chapter 46. System

46.1. Information about recent backup activity of N2WS

```
GET /api/system/dashboard/activity/
```

46.1.1. Description

This endpoint returns a summary of recent backups, DR operations and S3 copies that were performed recently.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

46.1.2. Parameters

Type	Name	Description	Schema
Query	**start_time** *required*	Start time of the backup.	string

46.1.3. Responses

HTTP Code	Description	Schema
200	OK	response_system_dashboard_activity_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_system_dashboard_activity_list

Name	Description	Schema
backup_dr_fail_num *optional*	Number of failed DR operations performed lately.	integer
backup_dr_success_num *optional*	Number of successful DR operations performed lately.	integer
backup_fail_num *optional*	Number of failed backup operations performed lately.	integer
backup_partial_num *optional*	Number of partially-successful backup operations performed lately.	integer
backup_s3_fail_num *optional*	Number of failed S3 copy operations performed lately.	integer

Name	Description	Schema
backup_s3_partial_num *optional*	Number of partially-successful S3 copy operations performed lately.	integer
backup_s3_success_num *optional*	Number of successful S3 copy operations performed lately.	integer
backup_success_num *optional*	Number of successful backup operations performed lately.	integer

46.1.4. Produces

- `application/json`

46.2. Information about the protection provided N2WS.

```
GET /api/system/dashboard/state/
```

46.2.1. Description

This endpoint returns a summary of backup definitions and protected resources.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

46.2.2. Responses

HTTP Code	Description	Schema
200	OK	response_system_dashboard_state_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_system_dashboard_state_list

Name	Description	Schema
accounts_num *optional*	Number of defined N2WS accounts.	integer
azure_accounts_num *optional*		integer
azure_policies_num *optional*		integer
policies_num *optional*	Number of policies defined in N2WS.	integer
protected_ddb_num *optional*	Number of Dynamo databases backed up by N2WS.	integer
protected_disks_num *optional*		integer
protected_document_db_clus_num *optional*	Number of DocumentDB Clusters backed up by N2WS.	integer
protected_efs_num *optional*	Number of EFS file systems backed up by N2WS.	integer

Name	Description	Schema
protected_fsx_num *optional*	Number of FSx backed up by N2WS.	integer
protected_instances_num *optional*	Number of Instances backed up by N2WS.	integer
protected_rds_clus_num *optional*	Number of RDS Clusters backed up by N2WS.	integer
protected_rds_db_num *optional*	Number of RDS Databases backed up by N2WS.	integer
protected_redshift_num *optional*	Number of Redshift Clusters backed up by N2WS.	integer
protected_sql_servers_num *optional*		integer
protected_virtual_machines_num *optional*		integer
protected_volumes_num *optional*	Number of Volumes backed up by N2WS.	integer
snapshots_ddb_num *optional*	Number of Dynamo DB snapshots performed by N2WS.	integer
snapshots_disk_num *optional*		integer
snapshots_document_db_clus_num *optional*		integer
snapshots_dr_disk_num *optional*		integer
snapshots_dr_document_db_clus_num *optional*		integer
snapshots_dr_efs_num *optional*	Number of DR EFS snapshots performed by N2WS.	integer
snapshots_dr_rds_clus_num *optional*	Number of DR RDS Cluster snapshots performed by N2WS.	integer
snapshots_dr_rds_num *optional*	Number of DR RDS snapshots performed by N2WS.	integer
snapshots_dr_volume_num *optional*	Number of DR volume snapshots performed by N2WS.	integer
snapshots_efs_num *optional*	Number of EFS snapshots performed by N2WS.	integer

Name	Description	Schema
snapshots_fsx_num *optional*	Number of FSx snapshots performed by N2WS.	integer
snapshots_only_ami_num *optional*	Number of instance Only AMI snapshots performed by N2WS.	integer
snapshots_rds_clus_num *optional*	Number of Rds Cluster snapshots performed by N2WS.	integer
snapshots_rds_num *optional*	Number of RDS snapshots performed by N2WS.	integer
snapshots_redshift_num *optional*	Number of Redshift snapshots performed by N2WS.	integer
snapshots_sql_database_num *optional*		integer
snapshots_volume_num *optional*	Number of volume snapshots performed by N2WS.	integer
volumes_above_high_watermark_num *optional*	Number of volumes above high watermark volume's storage.	integer
volumes_below_low_watermark_num *optional*	Number of volumes below low watermark volume's storage.	integer
volumes_usage_percentage_num *optional*	Number of volumes with usage percentage.	integer

46.2.3. Produces

- `application/json`

46.3. Download a zipped file containing the N2WS server log

```
GET /api/system/support_logs/
```

46.3.1. Description

This endpoint downloads a zipped file containing the N2WS server log.

Permissions and Restrictions:
* Only root user and his delegates are permitted download this zipped file.

Sample cURL Request:

```
curl -OJ -X GET https://$HOST/api/system/support_logs/
-H 'Accept: application/json;'
-H 'Authorization: Bearer $TOKEN'
```

- *Initial Release:* `1.1.0`
- *Last Modified Version:* `1.4.0`

46.3.2. Parameters

Type	Name	Description	Schema
Query	**check_aws_permissions** *optional*	Check AWS permissions for accounts filter.	string
Query	**check_azure_permissions** *optional*	Check Azure permissions for accounts filter.	string
Query	**collect_backup_logs_period** *optional*	Period for collecting backup logs (day, week or month) - default is week.	string
Query	**collect_system_logs** *optional*	Collect systems logs (e.g. Apache) filter.	string
Query	**collect_worker_logs** *optional*	Collect S3 worker logs filter.	string

46.3.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

46.3.4. Produces

- `application/x-bzip2`

46.4. List N2WS long-running async tasks

```
GET /api/system/tasks/
```

46.4.1. Description

This endpoint returns a list of N2WS long-running async tasks .

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can perform this operation.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

46.4.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**type** *optional*	Task type.	string

46.4.3. Responses

HTTP Code	Description	Schema
200	OK	< response_system_tasks_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_system_tasks_list

Name	Description	Schema
end_time *optional*	Time the task ended.	string

Name	Description	Schema
global_session_id *optional*	Global session ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer
name *optional*	Task name.	string
process_record_id *optional*	Process recode ID.	string
result *optional*	The result of the task operation.	object
start_time *optional*	Time the task started.	string
status *optional*	Task status. **Allowed Enum Values** * W (Waiting) * P (In Progress) * R (Received Result) * D (Done) * T (Timed Out)	enum (W, P, R, D, T)
type *optional*	Task type.	string

46.4.4. Produces

- `application/json`

46.5. Retrieve a N2WS long-running async task

```
GET /api/system/tasks/{id}/
```

46.5.1. Description

This endpoint returns the N2WS long-running async task for the ID passed in the URL path.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Any authenticated user can perform this operation.

- *Initial Release:* `1.6.0`
- *Last Modified Version:* `1.6.0`

46.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

46.5.3. Responses

HTTP Code	Description	Schema
200	OK	response_system_tasks_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_system_tasks_read

Name	Description	Schema
end_time *optional*	Time the task ended.	string
global_session_id *optional*	Global session ID.	string
id *optional*	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
name *optional*	Task name.	string
process_record_id *optional*	Process recode ID.	string
result *optional*	The result of the task operation.	object
start_time *optional*	Time the task started.	string
status *optional*	Task status. **Allowed Enum Values** * W (Waiting) * P (In Progress) * R (Received Result) * D (Done) * T (Timed Out)	enum (W, P, R, D, T)
type *optional*	Task type.	string

46.5.4. Produces

- `application/json`

46.6. Return N2WS supported time zones

```
GET /api/system/timezones/
```

46.6.1. Description

This endpoint returns N2WS supported time zones.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

46.6.2. Parameters

Type	Name	Description	Schema
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

46.6.3. Responses

HTTP Code	Description	Schema
200	OK	< response_system_timezones_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_system_timezones_list

Name	Description	Schema
display_name *optional*	Display name of the resource.	string
id *optional*	Unique ID of the resource.	string

46.6.4. Produces

- `application/json`

46.7. Version information

```
GET /api/system/version/
```

46.7.1. Description

This endpoint returns version information.

- *Initial Release:* `1.4.0`
- *Last Modified Version:* `1.4.0`

46.7.2. Responses

HTTP Code	Description	Schema
200	OK	response_system_version_list
401	Unauthorized	No Content
403	Forbidden	No Content

response_system_version_list

Name	Description	Schema
api_version *optional*	Version of RESTful API.	string
cpm_version *optional*	Version of N2WS server.	string

46.7.3. Produces

- `application/json`

Chapter 47. Token

47.1. Generate Access & Refresh tokens

```
POST /api/token/obtain/api_key/
```

47.1.1. Description

This endpoint generates Access & Refresh tokens.
* The Access is a short-lived token (1 hour by default) which is used to authenticate later calls for the API.
* The Refresh is a long-lived token (1 day by default) which is used to renew the Access token upon expiration.

- *Initial Release:* 1.0.0
- *Last Modified Version:* 1.0.0

47.1.2. Parameters

Type	Name	Schema
Body	**data_token_obtain_api_key_create** *required*	data_token_obtain_api_key_create

data_token_obtain_api_key_create

Name	Description	Schema
api_key *required*	The API authentication key generated in the UI.	string

47.1.3. Responses

HTTP Code	Description	Schema
200	OK	response_token_obtain_api_key_create
400	Bad Request	No Content
401	Unauthorized	No Content

response_token_obtain_api_key_create

Name	Description	Schema
access *optional*	The short-lived access token.	string

Name	Description	Schema
refresh *optional*	The longer-lived refresh token.	string

47.1.4. Consumes

- `application/json`

47.1.5. Produces

- `application/json`

47.2. Refresh an Access token

```
POST /api/token/refresh/
```

47.2.1. Description

This endpoint generates a brand new Access token with renewed expiration time from the Refresh token.

- *Initial Release:* 1.0.0
- *Last Modified Version:* 1.0.0

47.2.2. Parameters

Type	Name	Schema
Body	**data_token_refresh_create** *required*	data_token_refresh_create

data_token_refresh_create

Name	Description	Schema
refresh *required*	The longer-lived refresh token.	string

47.2.3. Responses

HTTP Code	Description	Schema
200	OK	response_token_refresh_create
400	Bad Request	No Content
401	Unauthorized	No Content

response_token_refresh_create

Name	Description	Schema
access *optional*	The short-lived access token.	string

47.2.4. Consumes

- application/json

47.2.5. Produces

- application/json

Chapter 48. Users

48.1. Create a N2WS user

```
POST /api/users/
```

48.1.1. Description

This endpoint creates a new N2WS user.

Permissions and Restrictions:
* Only the root user can create a new N2WS user.
* Maximum number of allowed users is limited by the license.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

48.1.2. Parameters

Type	Name	Schema
Body	**data_users_create** *required*	data_users_create

data_users_create

Name	Description	Schema
email *optional*	Email address.	string
password *required*	Password to authenticate with.	string
profile *required*	User profile.	data_users_create_profile
username *required*	Name can only contain alphanumeric characters, underscore and dash.	string

data_users_create_profile

Name	Description	Schema
allow_cost_explorer *optional*	If set, the user has permission to observe costs of backup snapshots storage.	boolean
allow_file_level_recovery *optional*	If set, the user has permission for file level recovery operations.	boolean

Name	Description	Schema
allow_volumes_occupied_percent *optional*	If set, the user has permission to observe volumes occupied percent.	boolean
applied_managed_users *optional*	List of managed users assigned to this user.	< integer > array
is_managed_user *optional*	If set, the user is `managed`, otherwise `independent`.	boolean
max_accounts *optional*	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Maximum number of allowed AWS accounts for the user.	integer
max_azure_accounts *optional*	Maximum number of allowed Azure accounts for the user.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
max_independent_ebs_gib *optional*	Maximum number of allowed independent EBS (in GiB) for the user.	integer
max_instances *optional*	Maximum number of allowed instances for the user.	integer
max_rds_gib *optional*	Maximum number of allowed RDS (in GiB) for the user.	integer
max_redshift_gib *optional*	Maximum number of allowed Redshift (in GiB) for the user.	integer
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

48.1.3. Responses

HTTP Code	Description	Schema
201	Created	response_users_create
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

response_users_create

Name	Description	Schema
email *optional*	Email address.	string
id *optional*	Unique ID of the resource in N2WS.	integer
mfa_method *optional*	**Allowed Enum Values** * D (disabled) * E (email) * G (generator)	enum (D, E, G)
num_accounts *optional*	Number of associated accounts.	integer
num_frozen_items *optional*		integer
num_policies *optional*	Number of associated policies.	integer
profile *optional*	User profile.	response_users_create_profile
user_type *optional*	Type of current user.	string
username *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

response_users_create_profile

Name	Description	Schema
allow_cost_explorer *optional*	If set, the user has permission to observe costs of backup snapshots storage.	boolean
allow_file_level_recovery *optional*	If set, the user has permission for file level recovery operations.	boolean

Name	Description	Schema
allow_volumes_occupied_percent *optional*	If set, the user has permission to observe volumes occupied percent.	boolean
applied_managed_users *optional*	List of managed users assigned to this user.	< integer > array
domain_name *optional*	Domain name of the external identity provider.	string
is_external_authentication *optional*	If set, the user is authenticated by an external identity provider.	boolean
is_managed_user *optional*	If set, the user is `managed`, otherwise `independent`.	boolean
max_accounts *optional*	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Maximum number of allowed AWS accounts for the user.	integer
max_azure_accounts *optional*	Maximum number of allowed Azure accounts for the user.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
max_independent_ebs_gib *optional*	Maximum number of allowed independent EBS (in GiB) for the user.	integer
max_instances *optional*	Maximum number of allowed instances for the user.	integer
max_rds_gib *optional*	Maximum number of allowed RDS (in GiB) for the user.	integer
max_redshift_gib *optional*	Maximum number of allowed Redshift (in GiB) for the user.	integer
password_creation_date *optional*		string

Name	Description	Schema
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

48.1.4. Consumes

- `application/json`

48.1.5. Produces

- `application/json`

48.2. List N2WS users

```
GET /api/users/
```

48.2.1. Description

This endpoint returns a list of N2WS users.

Optional `filters`, `sorting` and `pagination` parameters are listed below.

Permissions and Restrictions:
* Only an admin user can get the list of N2WS users.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

48.2.2. Parameters

Type	Name	Description	Schema
Query	**ordering** *optional*	Fields to sort the result by (separate multiple values with commas): * delegate_users * is_external_authentication * managed * managed_users * num_accounts * num_frozen_items * num_policies * user_type * username	string
Query	**page** *optional*	A page number within the paginated result set.	integer
Query	**page_size** *optional*	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	**search** *optional*	Search term to look for in the fields: * username	string

48.2.3. Responses

HTTP Code	Description	Schema
200	OK	< response_users_list > array
401	Unauthorized	No Content
403	Forbidden	No Content

response_users_list

Name	Description	Schema
email *optional*	Email address.	string
id *optional*	Unique ID of the resource in N2WS.	integer
mfa_method *optional*	**Allowed Enum Values** * D (disabled) * E (email) * G (generator)	enum (D, E, G)
num_accounts *optional*	Number of associated accounts.	integer
num_frozen_items *optional*		integer
num_policies *optional*	Number of associated policies.	integer
profile *optional*	User profile.	response_users_list_profile
user_type *optional*	Type of current user.	string
username *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

response_users_list_profile

Name	Description	Schema
allow_cost_explorer *optional*	If set, the user has permission to observe costs of backup snapshots storage.	boolean
allow_file_level_recovery *optional*	If set, the user has permission for file level recovery operations.	boolean
allow_volumes_occupied_percent *optional*	If set, the user has permission to observe volumes occupied percent.	boolean
applied_managed_users *optional*	List of managed users assigned to this user.	< integer > array

Name	Description	Schema
domain_name *optional*	Domain name of the external identity provider.	string
is_external_authentication *optional*	If set, the user is authenticated by an external identity provider.	boolean
is_managed_user *optional*	If set, the user is `managed`, otherwise `independent`.	boolean
max_accounts *optional*	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Maximum number of allowed AWS accounts for the user.	integer
max_azure_accounts *optional*	Maximum number of allowed Azure accounts for the user.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
max_independent_ebs_gib *optional*	Maximum number of allowed independent EBS (in GiB) for the user.	integer
max_instances *optional*	Maximum number of allowed instances for the user.	integer
max_rds_gib *optional*	Maximum number of allowed RDS (in GiB) for the user.	integer
max_redshift_gib *optional*	Maximum number of allowed Redshift (in GiB) for the user.	integer
password_creation_date *optional*		string
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

48.2.4. Produces

- `application/json`

48.3. Change a N2WS user password

```
POST /api/users/me/change_password/
```

48.3.1. Description

Change the password of the current user.

Permissions and Restrictions:
* Authenticated local N2WS user can change his own password.
* Password of user authenticated via an external identity provider cannot be changed.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

48.3.2. Parameters

Type	Name	Schema
Body	**data_users_me_change_password** *required*	data_users_me_change_password

data_users_me_change_password

Name	Description	Schema
new_password *required*	New password to set.	string
old_password *required*	Password to be replaced.	string

48.3.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

48.3.4. Consumes

- `application/json`

48.4. Retrieve a N2WS user

```
GET /api/users/{id}/
```

48.4.1. Description

This endpoint returns the N2WS user whose ID is passed in the URL path.

Permissions and Restrictions:
* Only an admin user can get the requested N2WS user.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

48.4.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

48.4.3. Responses

HTTP Code	Description	Schema
200	OK	response_users_read
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_users_read

Name	Description	Schema
email *optional*	Email address.	string
id *optional*	Unique ID of the resource in N2WS.	integer
mfa_method *optional*	**Allowed Enum Values** * D (disabled) * E (email) * G (generator)	enum (D, E, G)

Name	Description	Schema
num_accounts *optional*	Number of associated accounts.	integer
num_frozen_items *optional*		integer
num_policies *optional*	Number of associated policies.	integer
profile *optional*	User profile.	response_users_read_profile
user_type *optional*	Type of current user.	string
username *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

response_users_read_profile

Name	Description	Schema
allow_cost_explorer *optional*	If set, the user has permission to observe costs of backup snapshots storage.	boolean
allow_file_level_recovery *optional*	If set, the user has permission for file level recovery operations.	boolean
allow_volumes_occupied_percent *optional*	If set, the user has permission to observe volumes occupied percent.	boolean
applied_managed_users *optional*	List of managed users assigned to this user.	< integer > array
domain_name *optional*	Domain name of the external identity provider.	string
is_external_authentication *optional*	If set, the user is authenticated by an external identity provider.	boolean
is_managed_user *optional*	If set, the user is `managed`, otherwise `independent`.	boolean
max_accounts *optional*	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Maximum number of allowed AWS accounts for the user.	integer
max_azure_accounts *optional*	Maximum number of allowed Azure accounts for the user.	integer

Name	Description	Schema
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
max_independent_ebs_gib *optional*	Maximum number of allowed independent EBS (in GiB) for the user.	integer
max_instances *optional*	Maximum number of allowed instances for the user.	integer
max_rds_gib *optional*	Maximum number of allowed RDS (in GiB) for the user.	integer
max_redshift_gib *optional*	Maximum number of allowed Redshift (in GiB) for the user.	integer
password_creation_date *optional*		string
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

48.4.4. Produces

- `application/json`

48.5. Update a N2WS user

```
PUT /api/users/{id}/
```

48.5.1. Description

This endpoint updates the N2WS user whose ID is passed in the URL path.

Permissions and Restrictions:
* Only the root user can update other N2WS users.
* Root user cannot be updated with `profile` as other users.
* Users authenticated via an external identity provider cannot be updated.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.4.0`

48.5.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_users_update** *required*	data_users_update

data_users_update

Name	Description	Schema
email *optional*	Email address.	string
profile *required*	User profile.	data_users_update_profile

data_users_update_profile

Name	Description	Schema
allow_cost_explorer *optional*	If set, the user has permission to observe costs of backup snapshots storage.	boolean
allow_file_level_recovery *optional*	If set, the user has permission for file level recovery operations.	boolean

Name	Description	Schema
allow_volumes_occupied_percent *optional*	If set, the user has permission to observe volumes occupied percent.	boolean
applied_managed_users *optional*	List of managed users assigned to this user.	< integer > array
is_managed_user *optional*	If set, the user is `managed`, otherwise `independent`.	boolean
max_accounts *optional*	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Maximum number of allowed AWS accounts for the user.	integer
max_azure_accounts *optional*	Maximum number of allowed Azure accounts for the user.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
max_independent_ebs_gib *optional*	Maximum number of allowed independent EBS (in GiB) for the user.	integer
max_instances *optional*	Maximum number of allowed instances for the user.	integer
max_rds_gib *optional*	Maximum number of allowed RDS (in GiB) for the user.	integer
max_redshift_gib *optional*	Maximum number of allowed Redshift (in GiB) for the user.	integer
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

48.5.3. Responses

HTTP Code	Description	Schema
200	OK	response_users_update
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

response_users_update

Name	Description	Schema
email *optional*	Email address.	string
id *optional*	Unique ID of the resource in N2WS.	integer
mfa_method *optional*	**Allowed Enum Values** * D (disabled) * E (email) * G (generator)	enum (D, E, G)
num_accounts *optional*	Number of associated accounts.	integer
num_frozen_items *optional*		integer
num_policies *optional*	Number of associated policies.	integer
profile *optional*	User profile.	response_users_update_profile
user_type *optional*	Type of current user.	string
username *optional*	Name can only contain alphanumeric characters, underscore and dash.	string

response_users_update_profile

Name	Description	Schema
allow_cost_explorer *optional*	If set, the user has permission to observe costs of backup snapshots storage.	boolean
allow_file_level_recovery *optional*	If set, the user has permission for file level recovery operations.	boolean

Name	Description	Schema
allow_volumes_occupied_percent *optional*	If set, the user has permission to observe volumes occupied percent.	boolean
applied_managed_users *optional*	List of managed users assigned to this user.	< integer > array
domain_name *optional*	Domain name of the external identity provider.	string
is_external_authentication *optional*	If set, the user is authenticated by an external identity provider.	boolean
is_managed_user *optional*	If set, the user is `managed`, otherwise `independent`.	boolean
max_accounts *optional*	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use max_aws_accounts.	integer
max_aws_accounts *optional*	Maximum number of allowed AWS accounts for the user.	integer
max_azure_accounts *optional*	Maximum number of allowed Azure accounts for the user.	integer
max_azure_independent_disk_gib *optional*		integer
max_azure_sql_database_gib *optional*		integer
max_azure_vms *optional*		integer
max_controlled_entities *optional*		integer
max_dynamodb_gib *optional*	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
max_independent_ebs_gib *optional*	Maximum number of allowed independent EBS (in GiB) for the user.	integer
max_instances *optional*	Maximum number of allowed instances for the user.	integer
max_rds_gib *optional*	Maximum number of allowed RDS (in GiB) for the user.	integer
max_redshift_gib *optional*	Maximum number of allowed Redshift (in GiB) for the user.	integer
password_creation_date *optional*		string

Name	Description	Schema
vol_storage_alert_watermark *optional*		boolean
vol_storage_high_watermark *optional*		integer
vol_storage_low_watermark *optional*		integer

48.5.4. Consumes

- `application/json`

48.5.5. Produces

- `application/json`

48.6. Delete a N2WS user

```
DELETE /api/users/{id}/
```

48.6.1. Description

This endpoint deletes the N2WS user whose ID is passed in the URL path. All the associated N2WS accounts of the deleted user will **be deleted** as well.

Permissions and Restrictions:
* Only the root user can delete other N2WS users.
* Root user cannot be deleted.
* N2WS user cannot be deleted if he has delegates.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

48.6.2. Parameters

Type	Name	Schema
Path	**id** *required*	string

48.6.3. Responses

HTTP Code	Description	Schema
200	OK	No Content
204	No Content	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

48.7. Reset a N2WS user password

```
POST /api/users/{id}/reset_password/
```

48.7.1. Description

Reset password of the user whose ID is passed in the URL path.

Permissions and Restrictions:
* Only the root user can reset password of another N2WS user.
* Root user cannot reset password for himself.
* Password of users authenticated via an external identity provider cannot be reset.

- *Initial Release:* `1.0.0`
- *Last Modified Version:* `1.0.0`

48.7.2. Parameters

Type	Name	Schema
Path	**id** *required*	string
Body	**data_users_reset_password** *required*	data_users_reset_password

data_users_reset_password

Name	Description	Schema
new_password *required*	New password to set.	string

48.7.3. Responses

HTTP Code	Description	Schema
201	Created	No Content
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

48.7.4. Consumes

- application/json