



# CPM RESTful API

API Version: 2.1.0

# 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 2.1.0	17
4.2. Version 2.0.0	20
4.3. Version 1.7.0	24
4.4. Version 1.6.0	24
4.5. Version 1.5.0	26
4.6. Version 1.4.0	27
4.7. Version 1.3.0	31
4.8. Version 1.2.0	32
4.9. Version 1.1.0	34
4.10. Version 1.0.0	37
5. AWS Accounts	41
5.1. List N2WS accounts	42
5.2. Create a N2WS backup account	45
5.3. List N2WS backup accounts	49
5.4. List all Clones of a Network Item for a specific account.	52

5.5. Retrieve the details of a log of a Network Item's Clone operation. ....	54
5.6. Download logs for the selected Network Item clone. ....	56
5.7. Retrieve a N2WS backup account ....	58
5.8. Update a N2WS backup account ....	61
5.9. Delete a N2WS backup account ....	65
5.10. Check AWS permissions for selected backup account ....	66
5.11. Download a CSV file containing the checking of AWS permissions for selected backup account ...	68
5.12. Run clone TGW for selected backup account ....	69
5.13. Run clone VPC for selected backup account ....	72
5.14. Download logs for the last VPC clone. ....	75
5.15. Delete all snapshots of a N2WS backup account ....	77
5.16. Create a N2WS DR account ....	78
5.17. List N2WS DR accounts ....	82
5.18. Retrieve a N2WS DR account ....	85
5.19. Update a N2WS DR account ....	88
5.20. Delete a N2WS DR account ....	92
5.21. Check AWS permissions for selected DR account ....	93
5.22. Download a CSV file containing the checking of AWS permissions for selected DR account ....	95
5.23. Download a CSV format report containing results of the Secured DR Account check for a DR account ...	96
5.24. Retrieve a N2WS DR account's vault data ....	97
5.25. Update vault data of a N2WS DR account ....	99
5.26. Delete all snapshots of a N2WS DR account ....	102
5.27. Retrieve a N2WS account ....	103
5.28. Delete a N2WS account ....	106
5.29. Delete all snapshots of a N2WS account ....	107
6. AWS Backups ....	108
6.1. List N2WS backup records ....	109
6.2. Abort an on going backup copy to S3 ....	115
6.3. List the script logs of the selected backup record ....	116
6.4. Retrieve a script log of a backup record ....	118
6.5. List backup snapshots ....	120
6.6. Delete all snapshots of a backup record ....	122
6.7. List the S3 copies of a backup record ....	123
6.8. Retrieve a S3 copy of a backup record ....	127
6.9. List Elastic File System (EFS) DR backups of a backup record ....	130
6.10. Retrieve an Elastic File System (EFS) DR backup of a backup record ....	134
6.11. Delete an Elastic File System (EFS) DR backup of a backup record ....	137
6.12. Recover Elastic File System (EFS) from DR backup ....	138

6.13. List the DR Initial AMI snapshots of a given backup record .....	143
6.14. Retrieve a DR Initial AMI snapshot of a given backup record .....	145
6.15. Delete the Initial AMI snapshot of a backup record .....	147
6.16. List the DR RDS cluster snapshots of a backup record .....	148
6.17. Retrieve a DR RDS cluster snapshot of a backup record .....	152
6.18. Delete a DR RDS cluster snapshot of a backup record .....	156
6.19. Recover DR RDS cluster from backup .....	157
6.20. List the DR RDS snapshots of a backup record .....	164
6.21. Retrieve a DR RDS snapshot of a backup record .....	168
6.22. Delete a DR RDS snapshot of backup record .....	171
6.23. Recover DR RDS databases from backup .....	172
6.24. List the DR volume snapshots of a backup record .....	178
6.25. Retrieve a DR volume snapshot of a backup record .....	181
6.26. Delete a DR volume snapshot of a backup record .....	184
6.27. Recover DR volume from backup .....	185
6.28. List the DynamoDB table snapshots of a backup record .....	190
6.29. Retrieve a DynamoDB table snapshot of a backup record .....	193
6.30. Delete a DynamoDB table snapshot of a backup record .....	196
6.31. Recover DynamoDB table from backup .....	197
6.32. List Elastic File System (EFS) backups of a backup record .....	202
6.33. Retrieve an Elastic File System (EFS) backup of a backup record .....	206
6.34. Delete an Elastic File System (EFS) backup of a backup record .....	209
6.35. Recover Elastic File System (EFS) from backup .....	210
6.36. List File System (FSx) volume backups of a backup record .....	215
6.37. Retrieve an File System (FSx) volume backup of a backup record .....	219
6.38. Delete an File System (FSx) volume backup of a backup record .....	222
6.39. Recover File System (FSx) volume from backup .....	223
6.40. List File System (FSx) backups of a backup record .....	228
6.41. Retrieve an File System (FSx) backup of a backup record .....	232
6.42. Delete an File System (FSx) backup of a backup record .....	235
6.43. Recover File System (Windows or Lustre) (FSx) from backup .....	236
6.44. List the Initial AMI snapshots of a given backup record .....	242
6.45. Retrieve the Initial AMI snapshots of a given backup record .....	244
6.46. Delete the Initial AMI snapshots of a given backup record .....	246
6.47. List all instances of a backup record .....	247
6.48. Retrieve an instance of a backup record .....	250
6.49. Return AMI of instance of a backup record .....	253
6.50. List AWS additional nics for instance .....	255

6.51. Return similar AMI of instance of a backup record .....	257
6.52. Recover instance from backup .....	259
6.53. Recover instance from S3 .....	270
6.54. Recover Sap Hana DB from backup .....	282
6.55. Recover Sap Hana DB from backup .....	287
6.56. List the AMIs Only snapshots of a backup record .....	292
6.57. Retrieve an AMIs Only snapshot of a backup record .....	294
6.58. Delete an AMIs Only snapshot of a backup record .....	296
6.59. List the DR AMIs Only snapshots of a backup record .....	297
6.60. Retrieve an DR AMIs Only snapshot of a backup record .....	299
6.61. Delete a DR AMIs Only snapshot of a backup record .....	301
6.62. List the RDS cluster snapshots of a backup record .....	302
6.63. Retrieve a RDS cluster snapshot of a backup record .....	306
6.64. Delete a RDS cluster snapshot of a backup record .....	310
6.65. Recover RDS cluster from backup .....	311
6.66. List the RDS snapshots of a backup record .....	318
6.67. Retrieve a RDS snapshot of a backup record .....	322
6.68. Delete a RDS snapshot of a backup record .....	325
6.69. Recover RDS databases from backup .....	326
6.70. List the Redshift cluster snapshots of a backup record .....	332
6.71. Retrieve a Redshift cluster snapshot of a backup record .....	335
6.72. Delete a Redshift cluster snapshot of a backup record .....	338
6.73. Recover Redshift cluster from backup .....	339
6.74. List the S3 copies of a backup record .....	344
6.75. Retrieve a S3 copy of a backup record .....	348
6.76. Recover RDS database from a snapshot stored in S3 .....	352
6.77. List the Sap Hana DB snapshots of a backup record .....	359
6.78. Retrieve a Sap Hana DB snapshot of a backup record .....	362
6.79. Delete a Sap Hana DB snapshot of a backup record .....	365
6.80. List the volume snapshots of a backup record .....	366
6.81. Retrieve a volume snapshot of a backup record .....	370
6.82. Delete a volume snapshot of a backup record .....	373
6.83. Recover volume from backup .....	374
6.84. Recover s3 volume from backup .....	379
6.85. Move a backup record to the freezer .....	386
6.86. Retrieve a N2WS backup record .....	389
6.87. Update a N2WS freezer backup record .....	393
6.88. Delete a N2WS freezer backup record .....	397

6.89. List the selected logs .....	398
7. AWS Captured Tgws .....	400
7.1. List captured Transit Gateways .....	401
8. AWS Captured Vpcs .....	403
8.1. List captured VPCs .....	404
8.2. List the selected logs .....	406
8.3. Retrieve a captured VPC .....	407
8.4. Download a VPC's CloudFormation template .....	409
8.5. Download a Transit Gateway's CloudFormation template .....	410
8.6. Download a VPC's CloudFormation template .....	411
9. AWS Cost Explorer .....	412
9.1. List blended costs for storage of backup target snapshots in the given time frame for several policies .....	413
9.2. Test cost explorer for storage of backup target snapshots for last week .....	415
9.3. Retrieve policy's blended costs for storage of backup target snapshots in the given time frame .....	417
9.4. Refresh cached predicted hourly cost of all resource control groups .....	419
9.5. List cached monthly savings predictions per resource control group .....	420
9.6. Retrieve a cached monthly savings prediction for a resource control group .....	422
9.7. Refresh cached predicted hourly cost of a resource control group .....	424
10. AWS Explore Sessions .....	425
10.1. Create an explore session .....	426
10.2. List explore sessions .....	429
10.3. Expire all running explore sessions .....	432
10.4. Retrieve the maximum available generations for explore session .....	433
10.5. Prepare list of files and folders to be downloaded .....	435
10.6. Archive and download list of files and folders as a zip file .....	437
10.7. List file system entries via POST request .....	439
10.8. List file system entries via GET request .....	442
10.9. Reset the backup explore session timeout countdown .....	445
10.10. Retrieve an explore session .....	446
10.11. Expire an explore session .....	448
11. AWS Network Configuration Captures .....	449
11.1. List all Captures of the Network Configurations. ....	450
11.2. Retrieve the details of a log of a Capture Network Configurations operation. ....	452
11.3. Download logs for the selected Capture Network Configurations operation. ....	454
12. AWS Policies .....	456
12.1. Run a N2WS policy ASAP .....	457
12.2. List N2WS policies .....	461
12.3. Retrieve a N2WS policy .....	465

12.4. Update a N2WS policy .....	468
12.5. Delete a N2WS policy .....	472
12.6. Create a N2WS policy backup ASAP .....	473
12.7. Show 'Copy to S3 repository' options of a N2WS policy .....	475
12.8. Update 'Copy to S3 repository' options of a N2WS policy .....	479
12.9. Retrieve DR options of a N2WS policy .....	485
12.10. Update DR options of a N2WS policy .....	487
12.11. Invoke a N2WS Importer policy .....	490
12.12. Invoke a N2WS Importer policy Dry Run .....	494
12.13. List the selected logs .....	495
12.14. Retrieve an Import Parameters definition. ....	497
12.15. Update a N2WS Import Parameters definition .....	499
12.16. Retrieve options of a N2WS policy .....	501
12.17. Update options of a N2WS policy .....	503
12.18. Pause an Import operation of a N2WS Importer policy .....	506
12.19. Delete all snapshots of a N2WS policy .....	510
12.20. Delete all native snapshots of a N2WS policy .....	511
12.21. Delete all native snapshots, S3 backup and Glacier archive copies of a N2WS policy .....	512
12.22. Abort an on-going archive of backups in policy .....	513
12.23. Abort an on going policy cleanup on S3 .....	514
12.24. Create a Custom Tag .....	515
12.25. List Custom Tags .....	517
12.26. Retrieve a Custom Tag .....	519
12.27. Delete a Custom Tag .....	521
12.28. List a policy's future scheduled run times .....	522
12.29. Abort any on-going s3 operation in policy .....	524
12.30. List all the targets associated with a N2WS policy .....	525
12.31. Add a DynamoDB table to a N2WS policy .....	528
12.32. List the protected DynamoDB tables of a N2WS policy .....	530
12.33. Retrieve a DynamoDB table of a N2WS policy .....	532
12.34. Delete a DynamoDB table from a N2WS policy .....	534
12.35. Add an Elastic File System (EFS) to a N2WS policy .....	535
12.36. List the protected Elastic File Systems (EFS) of a N2WS policy .....	539
12.37. Retrieve a protected Elastic File System (EFS) of a N2WS policy .....	542
12.38. Update an Elastic File System (EFS) of a N2WS policy .....	545
12.39. Delete an Elastic File System (EFS) from a N2WS policy .....	549
12.40. Add a File System (FSx) to a N2WS policy .....	550
12.41. List the protected File Systems (FSx) of a N2WS policy .....	552

12.42. Add an FSX volume to a N2WS policy .....	554
12.43. List the protected FSX volumes of a N2WS policy .....	556
12.44. Retrieve a protected FSX volume of a N2WS policy .....	558
12.45. Delete an FSX volume from a N2WS policy .....	560
12.46. Retrieve a protected File System (FSx) of a N2WS policy .....	561
12.47. Update an ONTAP File System (FSx) of a N2WS policy .....	563
12.48. Delete an File System (FSx) from a N2WS policy .....	566
12.49. Add an EC2 instance to a N2WS policy .....	567
12.50. List the protected EC2 instances of a N2WS policy .....	572
12.51. Retrieve a protected EC2 instance of a N2WS policy .....	575
12.52. Update an EC2 instance of a N2WS policy .....	578
12.53. Delete an EC2 instance from a N2WS policy .....	583
12.54. Add a Sap Hana DB to a N2WS policy .....	584
12.55. List the protected Sap Hana DBs of a N2WS policy .....	586
12.56. Retrieve a protected Sap Hana DB of a N2WS policy .....	588
12.57. Update a Sap Hana DB of a N2WS policy .....	590
12.58. Delete a Sap Hana DB from a N2WS policy .....	592
12.59. Add an EC2 volume to a N2WS policy .....	593
12.60. List the protected EC2 volumes of a N2WS policy .....	595
12.61. Retrieve a protected EC2 volume of a N2WS policy .....	597
12.62. Delete an EC2 volume from a N2WS policy .....	599
12.63. Add a RDS cluster to a N2WS policy .....	600
12.64. List the protected RDS clusters of a N2WS policy .....	602
12.65. Retrieve a protected RDS cluster of a N2WS policy .....	604
12.66. Delete a RDS cluster from a N2WS policy .....	606
12.67. Add a RDS database to a N2WS policy .....	607
12.68. List the protected RDS databases of a N2WS policy .....	611
12.69. Retrieve a protected RDS database of a N2WS policy .....	614
12.70. Update an RDS Database of a N2WS policy .....	617
12.71. Delete a RDS database from a N2WS policy .....	621
12.72. Add a Redshift cluster to a N2WS policy .....	622
12.73. List the protected Redshift clusters of a N2WS policy .....	624
12.74. Retrieve a protected Redshift cluster of a N2WS policy .....	626
12.75. Delete a Redshift cluster from a N2WS policy .....	628
12.76. Add a S3 Sync target to N2WS policy .....	629
12.77. List S3 sync targets of N2WS policy .....	632
12.78. Retrieve a S3 Sync target of a N2WS policy .....	634
12.79. Update a S3 Sync target to N2WS policy .....	636



12.80. Delete a S3 Sync target from N2WS policy .....	639
12.81. Add an EC2 volume to a N2WS policy .....	640
12.82. List the protected EC2 volumes of a N2WS policy .....	643
12.83. Retrieve a protected EC2 volume of a N2WS policy .....	645
12.84. Delete an EC2 volume from a N2WS policy .....	647
13. AWS Prohibited Permissions .....	648
13.1. List initial Prohibited Permissions of Users and Roles of DR Accounts. ....	649
14. AWS Recoveries .....	650
14.1. List N2WS recovery records .....	651
14.2. Retrieve a N2WS recovery record .....	656
14.3. Delete a N2WS recovery record .....	660
14.4. List the selected logs .....	661
14.5. Abort an on going recovery from S3 .....	663
15. AWS Recovery Scenarios .....	664
15.1. Create a N2WS recovery scenario .....	665
15.2. List N2WS recovery scenarios .....	668
15.3. List N2WS recovery scenario records .....	671
15.4. Retrieve a N2WS recovery scenario record .....	674
15.5. Update a resource .....	676
15.6. Delete a N2WS recovery scenario record .....	678
15.7. List of recovery scenario record logs .....	679
15.8. Retrieve a N2WS recovery scenario .....	681
15.9. Update a N2WS recovery scenario .....	683
15.10. Delete a N2WS recovery scenario .....	686
15.11. Run a N2WS recovery scenario .....	687
15.12. Create a N2WS recovery scenario target .....	689
15.13. List N2WS recovery scenario targets .....	692
15.14. Retrieve a N2WS recovery scenario target .....	695
15.15. Update a N2WS recovery scenario target .....	697
15.16. Delete a N2WS recovery scenario target .....	700
16. AWS Regions .....	701
16.1. List enabled DR target regions .....	702
17. AWS Resource Control .....	704
17.1. Create a N2WS resource control group .....	705
17.2. List N2WS resource control groups .....	708
17.3. Create a N2WS resource control group schedule .....	711
17.4. List N2WS resource control group schedules .....	714
17.5. Retrieve a N2WS resource control group schedule .....	717

17.6. Delete a N2WS resource control group schedule .....	719
17.7. List all the targets associated with a N2WS resource control group .....	720
17.8. Add an EC2 instance to a N2WS resource control group .....	722
17.9. List the EC2 instances of a resource control group .....	724
17.10. Retrieve an EC2 instance of a N2WS resource control group .....	726
17.11. Delete an EC2 instance from a N2WS resource control group .....	728
17.12. Add an RDS database to a N2WS resource control group .....	729
17.13. List the RDS databases of a resource control group .....	731
17.14. Retrieve an RDS database of a N2WS resource control group .....	733
17.15. Delete an RDS database from a N2WS resource control group .....	735
17.16. Retrieve a N2WS resource control group .....	736
17.17. Update a N2WS resource control group .....	738
17.18. Delete a N2WS resource control group .....	741
17.19. Execute a N2WS resource control group ASAP .....	742
17.20. Stop execute a N2WS resource control group ASAP .....	743
17.21. List N2WS resource control records .....	744
17.22. Retrieve a N2WS resource control record .....	747
17.23. Delete a N2WS resource control record .....	749
17.24. List the selected logs .....	750
18. AWS Resource Types .....	752
18.1. List target resource types .....	753
19. AWS S3 Repositories .....	755
19.1. Create a S3 repository .....	756
19.2. List S3 repositories .....	759
19.3. Retrieve a S3 repository .....	761
19.4. Update a S3 repository .....	763
19.5. Delete a S3 repository .....	765
19.6. Delete a S3 repository, even if deleting the actual data from the repository is not possible.....	766
20. AWS Settings .....	767
20.1. Change N2WS capture VPC settings .....	768
20.2. Retrieve N2WS capture VPC settings .....	770
20.3. List the selected logs .....	772
20.4. Run the capture VPC operation .....	773
20.5. Change N2WS cost explorer settings .....	774
20.6. Retrieve the N2WS cost explorer settings .....	776
20.7. Change N2WS file level recovery settings .....	777
20.8. Get N2WS file level recovery settings .....	779
20.9. Change N2WS Secured DR Account check settings .....	781

20.10. Retrieve N2WS Secured DR Account check settings	783
20.11. List the selected logs	785
20.12. Run the Secured DR Account check operation	786
20.13. Change N2WS watermark settings	787
20.14. Retrieve the N2WS watermark settings	789
21. AWS System	790
21.1. List volumes occupied percent	791
22. AWS Worker Tags	793
22.1. Create a worker tag	794
22.2. List worker tags	796
22.3. Retrieve a worker tag	798
22.4. Update a worker tag	800
22.5. Delete a worker tag	802
23. AWS Workers	803
23.1. Create a worker configuration	804
23.2. List worker configurations	807
23.3. Start a worker configuration test session	809
23.4. List resources	812
23.5. Retrieve a worker configuration test session	815
23.6. List workers test session logs	818
23.7. Retrieve a worker configuration	820
23.8. Update worker configuration	822
23.9. Delete a worker configuration	825
24. Agents	826
24.1. List N2WS agents	827
24.2. Configure multiple agents	829
25. Alerts	831
25.1. Get N2WS alerts list	832
25.2. Delete all N2WS alerts	834
25.3. Retrieve a N2WS alert	835
25.4. Delete a N2WS alert	837
26. Aws	838
26.1. List AWS clouds	839
27. Azure Accounts	840
27.1. Create a N2WS Azure account	841
27.2. List N2WS Azure accounts	844
27.3. Retrieve a N2WS Azure account	846
27.4. Update a N2WS Azure account	848

27.5. Delete a N2WS Azure account .....	851
27.6. Check Azure permissions for selected backup account .....	852
27.7. Download a CSV file containing the checking of Azure permissions for selected account .....	854
27.8. Delete all snapshots of a N2WS account .....	855
28. Azure Backups .....	856
28.1. List N2WS Azure backup records .....	857
28.2. List backup snapshots .....	860
28.3. Delete all snapshots of a backup record .....	862
28.4. List the disk snapshots of a backup record .....	863
28.5. Retrieve a disk snapshot of a backup record .....	867
28.6. Delete a disk snapshot of a backup record .....	870
28.7. Recover disk from backup .....	871
28.8. List the DR disk snapshots of a backup record .....	874
28.9. Retrieve a DR disk snapshot of a backup record .....	878
28.10. Delete a DR disk snapshot of a backup record .....	882
28.11. Recover DR disk from backup .....	883
28.12. List all SQL databases of a backup record .....	886
28.13. Retrieve an SQL database of a backup record .....	889
28.14. Delete an SQL database snapshot of a backup record .....	892
28.15. Recover SQL database from backup .....	893
28.16. List all SQL servers of a backup record .....	896
28.17. Retrieve an SQL server of a backup record .....	898
28.18. Recover SQL server from backup .....	900
28.19. List all virtual machines of a backup record .....	904
28.20. Retrieve an virtual machine of a backup record .....	907
28.21. Recover virtual machine from backup .....	909
28.22. Move a backup record to the freezer .....	913
28.23. Retrieve a N2WS Azure backup record .....	915
28.24. Update a N2WS Azure freezer backup record .....	917
28.25. Delete an Azure N2WS freezer Azure backup record .....	920
28.26. List the selected logs .....	921
29. Azure Policies .....	923
29.1. Create an Azure Policy .....	924
29.2. List Azure Policies .....	927
29.3. Retrieve an Azure Policy .....	930
29.4. Update an Azure Policy .....	932
29.5. Delete an Azure Policy .....	935
29.6. Create a N2WS policy backup ASAP .....	936

29.7. Show 'Copy to Storage Account repository' options of a N2WS policy	938
29.8. Update 'Copy to Storage Account repository' options of a N2WS policy	940
29.9. Retrieve DR options of a N2WS policy	942
29.10. Update DR options of a N2WS policy	944
29.11. Retrieve options of a N2WS policy	946
29.12. Update options of a N2WS policy	948
29.13. Delete all snapshots of a N2WS policy	950
29.14. List a policy's future scheduled run times	951
29.15. Add a disk to a N2WS Azure policy	953
29.16. List the protected disks of a N2WS Azure policy	955
29.17. Retrieve a protected disk of a N2WS Azure policy	957
29.18. Delete a disk from a N2WS Azure policy	959
29.19. Add a SQL server to a N2WS policy	960
29.20. List the protected SQL servers of a N2WS policy	962
29.21. Retrieve a protected SQL server of a N2WS policy	964
29.22. Update a SQL server of a N2WS policy	966
29.23. Delete a SQL server from a N2WS policy	968
29.24. Add a database selected for a SQL server backup target to a N2WS policy	969
29.25. List the databases selected for a SQL server backup target of a N2WS policy	971
29.26. Retrieve a database selected for a SQL server backup target of a N2WS policy	973
29.27. Delete a database selected for a SQL server backup target from a N2WS policy	975
29.28. Add a virtual machine to a N2WS policy	976
29.29. List the protected virtual machines of a N2WS policy	978
29.30. Retrieve a protected virtual machine of a N2WS policy	980
29.31. Update a virtual machine of a N2WS policy	982
29.32. Delete a virtual machine from a N2WS policy	984
29.33. Add a disk selected for a virtual machine backup target to a N2WS policy	985
29.34. List the disks selected for a virtual machine backup target of a N2WS policy	987
29.35. Retrieve a disk selected for a virtual machine backup target of a N2WS policy	989
29.36. Delete a disk selected for a virtual machine backup target from a N2WS policy	991
30. Azure Recoveries	992
30.1. List N2WS recovery records	993
30.2. Retrieve a N2WS recovery record	996
30.3. Delete a N2WS recovery record	998
30.4. List the selected logs	999
31. Azure Reports	1001
31.1. Azure Backup report	1002
31.2. Azure protected resources report	1005

31.3. Snapshots report .....	1007
31.4. Summary report .....	1010
31.5. Account usage report .....	1013
31.6. Anonymized account usage report .....	1015
31.7. User/Account detailed usage reports .....	1017
31.8. User/Account detailed anonymous usage reports .....	1020
31.9. User/Account summary usage reports .....	1023
31.10. User/Account anonymous summary usage reports .....	1025
32. Azure Resource Types .....	1027
32.1. List target resource types .....	1028
33. Azure Storage Account Repositories .....	1030
33.1. Create a Storage Account .....	1031
33.2. List Storage Account Repositories .....	1034
33.3. Retrieve a Storage Account .....	1037
33.4. Update a Storage Account .....	1039
33.5. Delete a Storage Account .....	1042
33.6. Delete a Storage Account, even if deleting the actual data from the storage account repository is possible. ....	1043
34. Delegates .....	1044
34.1. Create a N2WS delegate user .....	1045
34.2. List N2WS delegate users .....	1048
34.3. Retrieve a N2WS delegate user .....	1051
34.4. Update a N2WS delegate user .....	1053
34.5. Delete a N2WS delegate user .....	1056
34.6. Reset a N2WS delegate user password .....	1057
35. Freezer .....	1059
35.1. List N2WS freezer records .....	1060
36. Reports .....	1063
36.1. Audit report .....	1064
36.2. Backup report .....	1067
36.3. Protected resources report .....	1071
36.4. Protected RDS database configurations report .....	1073
36.5. Resource Control operations report .....	1075
36.6. Snapshots report .....	1078
36.7. Summary report .....	1081
36.8. Account usage report .....	1084
36.9. Anonymized account usage report .....	1087
36.10. User/Account detailed usage reports .....	1089

36.11. User/Account detailed anonymous usage reports .....	1092
36.12. User/Account summary usage reports .....	1095
36.13. User/Account anonymous summary usage reports .....	1098
37. Scheduled Reports .....	1101
37.1. Create a scheduled report .....	1102
37.2. List scheduled reports .....	1107
37.3. Retrieve a scheduled report .....	1111
37.4. Update a scheduled report .....	1114
37.5. Delete a scheduled report .....	1119
37.6. Run a scheduled report immediately .....	1120
38. Schedules .....	1121
38.1. Create a N2WS schedule .....	1122
38.2. List N2WS schedules .....	1127
38.3. Retrieve a N2WS schedule .....	1131
38.4. Update a N2WS schedule .....	1134
38.5. Delete a N2WS schedule .....	1139
38.6. Add a disable time to a schedule .....	1140
38.7. List the disable times of a schedule .....	1142
38.8. Retrieve a disable time of a schedule .....	1144
38.9. Delete a disable time from a schedule .....	1146
38.10. List a schedule's future run times .....	1147
39. Settings .....	1149
39.1. Change N2WS activation key .....	1150
39.2. Change N2WS cleanup settings .....	1151
39.3. Retrieve N2WS cleanup settings .....	1153
39.4. List cleanup logs .....	1155
39.5. Run the cleanup operation .....	1156
39.6. List S3 cleanup logs .....	1157
39.7. Download N2WS's certificate .....	1158
39.8. Update N2WS log mode settings .....	1159
39.9. Retrieve N2WS log mode settings .....	1161
39.10. Download N2WS's metadata .....	1163
39.11. Create N2WS email identity settings .....	1164
39.12. Retrieve the N2WS email identity settings .....	1168
39.13. Send email verification request for N2WS email identity .....	1170
39.14. Retrieve this email verification request status .....	1171
39.15. Create N2WS identifier settings .....	1172
39.16. Retrieve the N2WS identifier settings .....	1174

39.17. Update N2WS identifier settings	1175
39.18. Change N2WS identity provider settings	1177
39.19. Retrieve the N2WS identity provider settings	1180
39.20. Retrieve the N2WS IP and DNS addresses	1182
39.21. List the settings for the N2WS identity provider's groups	1183
39.22. Create a N2WS identity provider's group settings	1186
39.23. List the settings for the N2WS identity provider's groups	1188
39.24. Retrieve the settings for the N2WS identity provider's groups.	1190
39.25. Update a N2WS identity provider's group settings	1192
39.26. Delete a N2WS identity provider's group settings	1194
39.27. Create a N2WS identity provider's group settings	1195
39.28. List the settings for the N2WS identity provider's groups	1199
39.29. Retrieve the settings for the N2WS identity provider's groups.	1202
39.30. Update a N2WS identity provider's group settings	1205
39.31. Delete a N2WS identity provider's group settings	1209
39.32. Test the N2WS active directory connection	1210
39.33. Create N2WS notifications settings	1212
39.34. Get N2WS notifications settings	1218
39.35. Retrieve a N2WS notifications settings	1221
39.36. Change N2WS notifications settings	1224
39.37. Test daily summary settings	1230
39.38. Create N2WS password settings	1231
39.39. Retrieve the N2WS password settings	1233
39.40. Update N2WS password settings	1235
39.41. Change N2WS proxy settings	1237
39.42. Retrieve the N2WS proxy settings	1239
39.43. Test the N2WS proxy settings connection	1241
39.44. Create N2WS security settings	1243
39.45. Retrieve the N2WS security settings	1245
39.46. Change the N2WS tag scan settings	1247
39.47. Retrieve the N2WS tag scan settings	1249
39.48. List the selected logs	1251
39.49. Run the tag scan operation	1252
39.50. Upload a new upgrade N2WS patch	1253
39.51. Retrieve a list of N2WS upgrade pathces	1254
40. System	1256
40.1. Information about recent backup activity of N2WS	1257
40.2. Information about the protection provided N2WS.	1259



40.3. Download a zipped file containing the N2WS server log .....	1262
40.4. List N2WS long-running async tasks .....	1264
40.5. Retrieve a N2WS long-running async task .....	1266
40.6. Return N2WS supported time zones .....	1268
40.7. Version information .....	1269
41. Token .....	1270
41.1. Generate Access & Refresh tokens .....	1271
41.2. Refresh an Access token .....	1273
42. Users .....	1275
42.1. Create a N2WS user .....	1276
42.2. List N2WS users .....	1281
42.3. Change a N2WS user password .....	1285
42.4. Retrieve a N2WS user .....	1287
42.5. Update a N2WS user .....	1290
42.6. Delete a N2WS user .....	1295
42.7. Reset a N2WS user password .....	1296

# 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": "0",
  "every_how_many": 1
}'
```

#### Sample Response:

```
{
  "id": 1,
  "name": "sample",
  "description": null,
  "user": 1,
  "every_unit": "0",
  "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.

- [Users](#)
- [Settings](#)
- [Reports](#)
- [Scheduled Reports](#)
- [System](#)
- [Agents](#)
- [Delegates](#)
- [Token](#)
- [Alerts](#)
- [Schedules](#)
- [Freezer](#)

## 3.2. APIs for Amazon Web Services

CPM Restful APIs for working with AWS cloud.

- [Regions](#)
- [Accounts](#)
- [Workers](#)
- [S3 Repositories](#)
- [Recoveries](#)
- [Captured Tgws](#)
- [Recovery Scenarios](#)
- [Explore Sessions](#)
- [Resource Control](#)
- [Resource Types](#)
- [Worker Tags](#)
- [Network Configuration Captures](#)



- Policies
- Cost Explorer
- System
- Settings
- Captured Vpcs
- Prohibited Permissions
- Backups

### 3.3. APIs for Microsoft Azure

CPM Restful APIs for working with Azure cloud.

- Resource Types
- Storage Account Repositories
- Reports
- Recoveries
- Policies
- Backups
- Accounts

# Chapter 4. Version History

This chapter lists the version history of CPM Restful API.

API Version	Released in CPM Version
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 2.1.0

### 4.1.1. 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/storage\_account\_repositories/
- POST /azure/storage\_account\_repositories/
- GET /azure/storage\_account\_repositories/{id}/
- PUT /azure/storage\_account\_repositories/{id}/
- DELETE /azure/storage\_account\_repositories/{id}/
- DELETE /azure/storage\_account\_repositories/{id}/force/
- GET /settings/password/
- POST /settings/password/
- PUT /settings/password/

#### 4.1.2. 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/
- POST /aws/backups/{backup\_id}/snapshots/s3\_rds\_databases/{snapshot\_record\_id}/recover/

- GET /aws/backups/{id}/logs/
- GET /aws/policies/
- POST /aws/policies/
- GET /aws/policies/{id}/
- PUT /aws/policies/{policy\_id}/targets/fsxs/{id}/
- GET /aws/policies/{policy\_id}/targets/instances/
- GET /aws/policies/{policy\_id}/targets/instances/{id}/
- GET /aws/recovery\_scenarios/
- POST /aws/recovery\_scenarios/
- GET /aws/recovery\_scenarios/{id}/
- PUT /aws/recovery\_scenarios/{id}/
- POST /azure/backups/{backup\_id}/snapshots/virtual\_machines/{snapshot\_record\_id}/recover/
- GET /azure/backups/{id}/logs/
- GET /settings/tagscan/logs/

### 4.1.3. Deprecated APIs

- GET /aws/captured\_vpcs/{id}/cloudformation\_template/

## 4.2. Version 2.0.0

### 4.2.1. New APIs

- 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/

#### 4.2.2. Modified APIs

- GET /aws/accounts/
- GET /aws/accounts/backup/
- GET /aws/accounts/backup/{id}/
- GET /aws/accounts/dr/
- POST /aws/accounts/dr/
- GET /aws/accounts/dr/{id}/
- GET /aws/accounts/{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/snapshots/
- 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/

### 4.2.3. Deprecated APIs

- GET /azure/reports/usage/

## 4.3. Version 1.7.0

### 4.3.1. 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/

### 4.3.2. Modified APIs

- 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/volumes/
- GET /aws/backups/{backup\_id}/snapshots/volumes/{id}/
- 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}/

## 4.4. Version 1.6.0

### 4.4.1. 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 /aws/system/volumes/occupied\_percent/
- GET /system/tasks/
- GET /system/tasks/{id}/

#### 4.4.2. Modified APIs

- POST /aws/accounts/backup/{id}/clone\_vpc/
- GET /aws/backups/{backup\_id}/snapshots/
- POST /aws/explore\_sessions/{explore\_session\_id}/download/
- 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}/
- POST /aws/workers/

- PUT /aws/workers/{id}/

## 4.5. Version 1.5.0

### 4.5.1. 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}/

### 4.5.2. Modified APIs

- GET /aws/backups/
- POST /aws/backups/{backup\_id}/snapshots/instances/{snapshot\_record\_id}/recover\_from\_s3/

- 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}/

## 4.6. Version 1.4.0

### 4.6.1. New APIs

- POST /agents/configuration/
- 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/

#### 4.6.2. Modified APIs

- POST /aws/accounts/backup/
- PUT /aws/accounts/backup/{id}/
- GET /aws/backups/{backup\_id}/snapshots/dr\_volumes/
- GET /aws/backups/{backup\_id}/snapshots/dr\_volumes/{id}/
- 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/instances/{id}/
- 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/backups/{backup\_id}/snapshots/volumes/{snapshot\_record\_id}/recover\_from\_s3/
- POST /aws/policies/{id}/backups/
- GET /aws/policies/{id}/copy\_to\_s3/
- PUT /aws/policies/{id}/copy\_to\_s3/
- 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}/

### 4.6.3. Deprecated APIs

- GET /aws/settings/file\_level\_recovery/
- POST /aws/settings/file\_level\_recovery/

## 4.7. Version 1.3.0

### 4.7.1. 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/

#### 4.7.2. 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}/

#### 4.7.3. Deprecated APIs

- GET /reports/usage/

## 4.8. Version 1.2.0

### 4.8.1. 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/

## 4.8.2. Modified APIs

- DELETE /aws/policies/{policy\_id}/targets/instances/{id}/

## 4.9. Version 1.1.0

### 4.9.1. 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/

#### 4.9.2. Deprecated APIs

- GET /freezer/

## 4.10. Version 1.0.0

### 4.10.1. New APIs

- GET /aws/accounts/backup/
- POST /aws/accounts/backup/
- GET /aws/accounts/backup/{id}/
- PUT /aws/accounts/backup/{id}/
- 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/
- PUT /aws/recovery\_scenarios/records/{id}/
- GET /aws/regions/
- GET /aws/workers/{configuration\_id}/test/
- 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/snapshots/



- 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 /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: 2.0.0*

### 5.1.2. Parameters

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

### 5.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_accounts_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_list

Name	Description	Schema
<b>account_number</b> <i>optional</i>	12-digit account for target account.	string
<b>associated_repositories</b> <i>optional</i>	List of the account `s associated repositories ID's.	< integer > array
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer
<b>authentication</b> <i>optional</i>	<p>N2WS supports 3 methods of authentication:</p> <p><b>IAM User</b> - Authentication uses IAM credentials, access and secret keys.</p> <p><b>N2WS instance IAM Role</b> - Only the root user or his delegates are allowed to use this IAM Role.</p> <p><b>Assume Role</b> - 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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* C (IAM User Credentials)</li> <li>* R (N2WS Instance IAM Role)</li> <li>* A (Assume Role)</li> </ul>	enum (C, R, A)
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_cloud</b> <i>optional</i>	<p>AWS Cloud (Standard or specific, e.g. US-Gov, China, ...).</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* S (AWS Standard)</li> <li>* G (US GovCloud)</li> <li>* C (AWS China)</li> </ul>	enum (S, G, C)
<b>capture_vpcs</b> <i>optional</i>	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean

Name	Description	Schema
<b>external_id</b> <i>optional</i>	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_dr_account</b> <i>optional</i>	Whether the current account is of type DR or regular backup.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>	List of the account `s related policies ID's.	< integer > array
<b>role_name</b> <i>optional</i>	Role name, not the full ARN of the role.	string
<b>scan_regions</b> <i>optional</i>	Region in which to scan resources. If not set, a <b>default</b> region will be applied.	< integer > array
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan in selected regions. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>user</b> <i>optional</i>	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: 1.0.0
- Last Modified Version: 1.4.0

### 5.2.2. Parameters

Type	Name	Schema
Body	data_aws_accounts_backup_create <i>required</i>	<a href="#">data_aws_accounts_backup_create</a>

#### data\_aws\_accounts\_backup\_create

Name	Description	Schema
account_number <i>optional</i>	12-digit account for target account.	string
assume_from_account <i>optional</i>	Account that will assume the role.	integer

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

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

### 5.2.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_accounts_backup_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_backup\_create

Name	Description	Schema
<b>account_number</b> <i>optional</i>	<b>12-digit</b> account for target account.	string
<b>associated_repositories</b> <i>optional</i>	List of the account `s associated repositories ID's.	< integer > array
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer
<b>authentication</b> <i>optional</i>	<p>N2WS supports 3 methods of authentication:</p> <p><b>IAM User</b> - Authentication uses IAM credentials, access and secret keys.</p> <p><b>N2WS instance IAM Role</b> - Only the root user or his delegates are allowed to use this IAM Role.</p> <p><b>Assume Role</b> - 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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* C (IAM User Credentials)</li> <li>* R (N2WS Instance IAM Role)</li> <li>* A (Assume Role)</li> </ul>	enum (C, R, A)
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string



Name	Description	Schema
<b>aws_cloud</b> <i>optional</i>	AWS Cloud (Standard or specific, e.g. US-Gov, China, ...).  <b>Allowed Enum Values</b> * S (AWS Standard) * G (US GovCloud) * C (AWS China)	enum (S, G, C)
<b>capture_vpcs</b> <i>optional</i>	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
<b>external_id</b> <i>optional</i>	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_dr_account</b> <i>optional</i>	Whether the current account is of type DR or regular backup.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>	List of the account `s related policies ID's.	< integer > array
<b>role_name</b> <i>optional</i>	Role name, not the full ARN of the role.	string
<b>scan_regions</b> <i>optional</i>	Region in which to scan resources. If not set, a <b>default</b> region will be applied.	< integer > array
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan in selected regions. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>user</b> <i>optional</i>	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: 1.0.0*
- *Last Modified Version: 2.0.0*

### 5.3.2. Parameters

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

### 5.3.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_accounts_backup_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_backup\_list

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

Name	Description	Schema
<b>external_id</b> <i>optional</i>	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_dr_account</b> <i>optional</i>	Whether the current account is of type DR or regular backup.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>	List of the account `s related policies ID's.	< integer > array
<b>role_name</b> <i>optional</i>	Role name, not the full ARN of the role.	string
<b>scan_regions</b> <i>optional</i>	Region in which to scan resources. If not set, a <b>default</b> region will be applied.	< integer > array
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan in selected regions. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>user</b> <i>optional</i>	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	<b>account_id</b> <i>required</i>		string
Query	<b>aws_id</b> <i>optional</i>	None	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_accounts_backup_network_item_clones_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_accounts\_backup\_network\_item\_clones\_list**

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_id</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>operation_type</b> <i>optional</i>	Operation that the user performed on the 'Clone VPC Entities' page.	string
<b>region</b> <i>optional</i>		string
<b>start_time</b> <i>optional</i>		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	<b>account_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 5.5.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_accounts_backup_network_item_clones_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_aws\_accounts\_backup\_network\_item\_clones\_read**

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_id</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>operation_type</b> <i>optional</i>	Operation that the user performed on the 'Clone VPC Entities' page.	string
<b>region</b> <i>optional</i>		string
<b>start_time</b> <i>optional</i>		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	<b>account_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 5.6.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_accounts_backup_network_item_clones_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### **response\_aws\_accounts\_backup\_network\_item\_clones\_list\_logs**

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	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: 1.0.0*
- *Last Modified Version: 2.0.0*

### 5.7.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 5.7.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_accounts_backup_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_accounts\_backup\_read

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

Name	Description	Schema
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer
<b>authentication</b> <i>optional</i>	<p>N2WS supports 3 methods of authentication:</p> <p><b>IAM User</b> - Authentication uses IAM credentials, access and secret keys.</p> <p><b>N2WS instance IAM Role</b> - Only the root user or his delegates are allowed to use this IAM Role.</p> <p><b>Assume Role</b> - 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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* C (IAM User Credentials)</li> <li>* R (N2WS Instance IAM Role)</li> <li>* A (Assume Role)</li> </ul>	enum (C, R, A)
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_cloud</b> <i>optional</i>	<p>AWS Cloud (Standard or specific, e.g. US-Gov, China, ...).</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* S (AWS Standard)</li> <li>* G (US GovCloud)</li> <li>* C (AWS China)</li> </ul>	enum (S, G, C)
<b>capture_vpcs</b> <i>optional</i>	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
<b>external_id</b> <i>optional</i>	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_dr_account</b> <i>optional</i>	Whether the current account is of type DR or regular backup.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>	List of the account`s related policies ID`s.	< integer > array
<b>role_name</b> <i>optional</i>	Role name, not the full ARN of the role.	string
<b>scan_regions</b> <i>optional</i>	Region in which to scan resources. If not set, a <b>default</b> region will be applied.	< integer > array

Name	Description	Schema
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan in selected regions. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>user</b> <i>optional</i>	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:* 1.0.0
- *Last Modified Version:* 1.4.0

### 5.8.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_aws_accounts_backup_update</b> <i>required</i>	<a href="#">data_aws_accounts_backup_update</a>

#### data\_aws\_accounts\_backup\_update

Name	Description	Schema
<b>account_number</b> <i>optional</i>	12-digit account for target account.	string
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer

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

### 5.8.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_accounts_backup_update</a>
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
<b>account_number</b> <i>optional</i>	12-digit account for target account.	string
<b>associated_repositories</b> <i>optional</i>	List of the account `s associated repositories ID's.	< integer > array
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer
<b>authentication</b> <i>optional</i>	<p>N2WS supports 3 methods of authentication:  <b>IAM User</b> - Authentication uses IAM credentials, access and secret keys.  <b>N2WS instance IAM Role</b> - Only the root user or his delegates are allowed to use this IAM Role.  <b>Assume Role</b> - 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.</p> <p><b>Allowed Enum Values</b>            * C (IAM User Credentials)            * R (N2WS Instance IAM Role)            * A (Assume Role)</p>	enum (C, R, A)
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_cloud</b> <i>optional</i>	<p>AWS Cloud (Standard or specific, e.g. US-Gov, China, ...).</p> <p><b>Allowed Enum Values</b>            * S (AWS Standard)            * G (US GovCloud)            * C (AWS China)</p>	enum (S, G, C)



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

### 5.10.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_accounts_backup_check_aws_permissions</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_backup\_check\_aws\_permissions

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Account name for checking AWS permissions.	string
<b>account_number</b> <i>optional</i>	Account number for checking AWS permissions.	string
<b>connection</b> <i>optional</i>	Connection of the account for checking AWS permissions.	string
<b>groups</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_accounts_backup_clone_tgw</b> <i>required</i>	<a href="#">data_aws_accounts_backup_clone_tgw</a>

#### data\_aws\_accounts\_backup\_clone\_tgw

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

### 5.12.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_accounts_backup_clone_tgw</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_backup\_clone\_tgw

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

#### data\_aws\_accounts\_backup\_clone\_vpc

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

### 5.13.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_accounts_backup_clone_vpc</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_backup\_clone\_vpc

Name	Description	Schema
<b>end_time</b> <i>optional</i>	Time the task ended.	string
<b>global_session_id</b> <i>optional</i>	Global session ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Task name.	string
<b>process_record_id</b> <i>optional</i>	Process recode ID.	string
<b>result</b> <i>optional</i>	The result of the task operation.	object
<b>start_time</b> <i>optional</i>	Time the task started.	string
<b>status</b> <i>optional</i>	Task status.  <b>Allowed Enum Values</b> * W (Waiting) * P (In Progress) * R (Received Result) * D (Done) * T (Timed Out)	enum (W, P, R, D, T)
<b>type</b> <i>optional</i>	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	<b>id</b> <i>required</i>		string
Query	<b>from_region</b> <i>required</i>	Source AWS region name.	string
Query	<b>to_account</b> <i>required</i>	Destination account ID.	number
Query	<b>to_region</b> <i>required</i>	Destination AWS region name.	string
Query	<b>to_vpc</b> <i>required</i>	New VPC name.	string

### 5.14.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_accounts_backup_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_backup\_list\_logs

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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 <i>required</i>	<a href="#">data_aws_accounts_dr_create</a>

#### data\_aws\_accounts\_dr\_create

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

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



### 5.16.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_accounts_dr_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_dr\_create

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

Name	Description	Schema
<b>external_id</b> <i>optional</i>	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_dr_account</b> <i>optional</i>	Whether the current account is of type DR or regular backup.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>	List of the account `s related policies ID's.	< integer > array
<b>role_name</b> <i>optional</i>	Role name, not the full ARN of the role.	string
<b>use_secured_dr_account</b> <i>optional</i>	Whether the current account uses the Secured DR Account abilities.	boolean
<b>user</b> <i>optional</i>	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	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * authentication * name * user	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * Name * AWS access key	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 5.17.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_accounts_dr_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_dr\_list

Name	Description	Schema
<b>account_number</b> <i>optional</i>	12-digit account for target account.	string
<b>allow_deleting_snapshots</b> <i>optional</i>	Delete snapshots in the DR account.	boolean
<b>associated_repositories</b> <i>optional</i>	List of the account `s associated repositories ID's.	< integer > array
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer
<b>authentication</b> <i>optional</i>	<p>N2WS supports 3 methods of authentication:</p> <p><b>IAM User</b> - Authentication uses IAM credentials, access and secret keys.</p> <p><b>N2WS instance IAM Role</b> - Only the root user or his delegates are allowed to use this IAM Role.</p> <p><b>Assume Role</b> - 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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* C (IAM User Credentials)</li> <li>* R (N2WS Instance IAM Role)</li> <li>* A (Assume Role)</li> </ul>	enum (C, R, A)
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_cloud</b> <i>optional</i>	<p>AWS Cloud (Standard or specific, e.g. US-Gov, China, ...).</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* S (AWS Standard)</li> <li>* G (US GovCloud)</li> <li>* C (AWS China)</li> </ul>	enum (S, G, C)

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

### 5.18.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_accounts_dr_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_accounts\_dr\_read

Name	Description	Schema
<b>account_number</b> <i>optional</i>	12-digit account for target account.	string
<b>allow_deleting_snapshots</b> <i>optional</i>	Delete snapshots in the DR account.	boolean

Name	Description	Schema
<b>associated_repositories</b> <i>optional</i>	List of the account `s associated repositories ID's.	< integer > array
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer
<b>authentication</b> <i>optional</i>	<p>N2WS supports 3 methods of authentication:</p> <p><b>IAM User</b> - Authentication uses IAM credentials, access and secret keys.</p> <p><b>N2WS instance IAM Role</b> - Only the root user or his delegates are allowed to use this IAM Role.</p> <p><b>Assume Role</b> - 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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* C (IAM User Credentials)</li> <li>* R (N2WS Instance IAM Role)</li> <li>* A (Assume Role)</li> </ul>	enum (C, R, A)
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_cloud</b> <i>optional</i>	<p>AWS Cloud (Standard or specific, e.g. US-Gov, China, ...).</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* S (AWS Standard)</li> <li>* G (US GovCloud)</li> <li>* C (AWS China)</li> </ul>	enum (S, G, C)
<b>external_id</b> <i>optional</i>	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_dr_account</b> <i>optional</i>	Whether the current account is of type DR or regular backup.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>	List of the account `s related policies ID's.	< integer > array
<b>role_name</b> <i>optional</i>	Role name, not the full ARN of the role.	string
<b>use_secured_dr_account</b> <i>optional</i>	Whether the current account uses the Secured DR Account abilities.	boolean

Name	Description	Schema
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_accounts_dr_update</b> <i>required</i>	<a href="#">data_aws_accounts_dr_update</a>

#### data\_aws\_accounts\_dr\_update

Name	Description	Schema
<b>account_number</b> <i>optional</i>	12-digit account for target account.	string
<b>allow_deleting_snapshots</b> <i>optional</i>	Delete snapshots in the DR account.	boolean
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer

Name	Description	Schema
<b>authentication</b> <i>required</i>	<p>N2WS supports 3 methods of authentication:</p> <p><b>IAM User</b> - Authentication uses IAM credentials, access and secret keys.</p> <p><b>N2WS instance IAM Role</b> - Only the root user or his delegates are allowed to use this IAM Role.</p> <p><b>Assume Role</b> - 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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* C (IAM User)</li> <li>* R (CPM Instance IAM Role)</li> <li>* A (Assume Role)</li> </ul>	enum (C, R, A)
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_secret_key</b> <i>optional</i>	AWS secret key - Part of AWS credentials.	string
<b>cloud</b> <i>optional</i>	<p>Cloud name.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* aws (Amazon Web Services)</li> <li>* azure (Microsoft Azure)</li> </ul>	enum (aws, azure)
<b>external_id</b> <i>optional</i>	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
<b>is_dr_account</b> <i>optional</i>	Whether the current account is of type DR or regular backup.	boolean
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>role_name</b> <i>optional</i>	Role name, not the full ARN of the role.	string

### 5.19.3. Responses

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

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

### 5.21.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_accounts_dr_check_aws_permissions</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_accounts\_dr\_check\_aws\_permissions

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Account name for checking AWS permissions.	string
<b>account_number</b> <i>optional</i>	Account number for checking AWS permissions.	string
<b>connection</b> <i>optional</i>	Connection of the account for checking AWS permissions.	string
<b>groups</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	string

### 5.24.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_accounts_dr_secured_dr_account_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_accounts\_dr\_secured\_dr\_account\_read

Name	Description	Schema
<b>check_secured_dr_account_periodically</b> <i>optional</i>	Perform a periodical Secured DR Account check for this Account.	boolean

Name	Description	Schema
<b>prohibited_permissions</b> <i>optional</i>		< response_aws_a ccounts_dr_secu red_dr_account_ read_prohibited _permissions > array
<b>use_secured_dr_account</b> <i>optional</i>	Whether the current account uses the Secured DR Account abilities.	boolean

**response\_aws\_accounts\_dr\_secured\_dr\_account\_read\_prohibited\_permissions**

Name	Description	Schema
<b>active</b> <i>optional</i>	Whether the prohibited permission is active or not.	boolean
<b>name</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_accounts_dr_secured_dr_account_update</b> <i>required</i>	<a href="#">data_aws_accounts_dr_secured_dr_account_update</a>

#### data\_aws\_accounts\_dr\_secured\_dr\_account\_update

Name	Description	Schema
<b>check_secured_dr_account_periodically</b> <i>optional</i>	Perform a periodical Secured DR Account check for this Account.	boolean
<b>prohibited_permissions</b> <i>required</i>		< <a href="#">data_aws_accounts_dr_secured_dr_account_update_prohibited_permissions</a> > array

Name	Description	Schema
<b>use_secured_dr_account</b> <i>optional</i>	Whether the current account uses the Secured DR Account abilities.	boolean

**data\_aws\_accounts\_dr\_secured\_dr\_account\_update\_prohibited\_permissions**

Name	Description	Schema
<b>active</b> <i>required</i>	Whether the prohibited permission is active or not.	boolean
<b>name</b> <i>required</i>	Name of the prohibited permission.	string

**5.25.3. Responses**

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_accounts_dr_secured_dr_account_update</a>
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
<b>check_secured_dr_account_periodically</b> <i>optional</i>	Perform a periodical Secured DR Account check for this Account.	boolean
<b>prohibited_permissions</b> <i>optional</i>		< <a href="#">response_aws_accounts_dr_secured_dr_account_update_prohibited_permissions</a> > array
<b>use_secured_dr_account</b> <i>optional</i>	Whether the current account uses the Secured DR Account abilities.	boolean

**response\_aws\_accounts\_dr\_secured\_dr\_account\_update\_prohibited\_permissions**

Name	Description	Schema
<b>active</b> <i>optional</i>	Whether the prohibited permission is active or not.	boolean
<b>name</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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: 2.0.0*

### 5.27.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 5.27.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_accounts_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_accounts\_read

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



Name	Description	Schema
<b>assume_from_account</b> <i>optional</i>	Account that will assume the role.	integer
<b>authentication</b> <i>optional</i>	<p>N2WS supports 3 methods of authentication:</p> <p><b>IAM User</b> - Authentication uses IAM credentials, access and secret keys.</p> <p><b>N2WS instance IAM Role</b> - Only the root user or his delegates are allowed to use this IAM Role.</p> <p><b>Assume Role</b> - 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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* C (IAM User Credentials)</li> <li>* R (N2WS Instance IAM Role)</li> <li>* A (Assume Role)</li> </ul>	enum (C, R, A)
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_cloud</b> <i>optional</i>	<p>AWS Cloud (Standard or specific, e.g. US-Gov, China, ...).</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* S (AWS Standard)</li> <li>* G (US GovCloud)</li> <li>* C (AWS China)</li> </ul>	enum (S, G, C)
<b>capture_vpcs</b> <i>optional</i>	Whether the current account will be included in capturing VPCs performed by the system or not.	boolean
<b>external_id</b> <i>optional</i>	If the cross-account role was created with the 3rd party option, this field is required as an additional identifier.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_dr_account</b> <i>optional</i>	Whether the current account is of type DR or regular backup.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>	List of the account`s related policies ID`s.	< integer > array
<b>role_name</b> <i>optional</i>	Role name, not the full ARN of the role.	string
<b>scan_regions</b> <i>optional</i>	Region in which to scan resources. If not set, a <b>default</b> region will be applied.	< integer > array

Name	Description	Schema
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan in selected regions. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	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	<b>account</b> <i>optional</i>	ID of the account this backup is associated with.	string
Query	<b>dr_status</b> <i>optional</i>	Backup's DR status.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>is_freezer_item</b> <i>optional</i>	Whether this backup item was moved to freezer or not.	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>policy</b> <i>optional</i>	Policy that the backup is associated with.	string
Query	<b>s3_copy_status</b> <i>optional</i>	Copy to S3 status (license dependent).	string
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description	string
Query	<b>search_by_auro ra</b> <i>optional</i>	Return records of backups which targeted an Aurora cluster with an AWS ID or tag value which includes the given search term	string
Query	<b>search_by_dyna mo_db</b> <i>optional</i>	Return records of backups which targeted a DynamoDB table with a name or tag value which includes the given search term	string
Query	<b>search_by_efs</b> <i>optional</i>	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	<b>search_by_fsx</b> <i>optional</i>	Return records of backups which targeted an FSx with an AWS ID or Name-tag value which includes the given search term.	string
Query	<b>search_by_insta nce</b> <i>optional</i>	Return records of backups which targeted an instance with an AWS ID or tag value which includes the given search term	string
Query	<b>search_by_rds</b> <i>optional</i>	Return records of backups which targeted an RDS database with an AWS ID or tag value which includes the given search term	string
Query	<b>search_by_reds hift</b> <i>optional</i>	Return records of backups which targeted a Redshift cluster with an AWS ID which includes the given search term	string
Query	<b>search_by_s3_s ync</b> <i>optional</i>	Return records of backups which targeted an S3 bucket with a name which includes the given search term	string
Query	<b>search_by_volu me</b> <i>optional</i>	Return records of backups which targeted a volume with an AWS ID or tag value which includes the given search term	string
Query	<b>start_time</b> <i>optional</i>	Backup's start time.	string

Type	Name	Description	Schema
Query	<b>status</b> <i>optional</i>	Backup's status.	string
Query	<b>tracker_id</b> <i>optional</i>	Tracker ID of backup record progress.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this backup is associated with.	integer
<b>cloud</b> <i>optional</i>		string
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_account_regions</b> <i>optional</i>	Target regions in the DR account to copy to. Can be one or multiple regions.	string
<b>dr_regions</b> <i>optional</i>	DR region.	string
<b>dr_status</b> <i>optional</i>	Backup's DR status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* N (N/A)</li> <li>* P (Pending)</li> <li>* I (In Progress)</li> <li>* S (Skipped)</li> <li>* C (Completed)</li> <li>* F (Failed)</li> </ul>	enum (N, P, I, S, C, F)
<b>end_time</b> <i>optional</i>	Backup's end time.	string



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

Name	Description	Schema
<b>status</b> <i>optional</i>	Backup's status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Initializing)</li> <li>* P (In Progress)</li> <li>* B (Backup Successful)</li> <li>* A (Backup Partially Successful)</li> <li>* S (Not All Snapshots Succeeded)</li> <li>* D (All Snapshots Deleted)</li> <li>* F (Backup Failed)</li> <li>* M (Moved to S3)</li> <li>* G (Moved to S3 Glacier)</li> </ul>	enum (I, P, B, A, S, D, F, M, G)
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_aws\_backups\_list\_glacier\_archive\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		string
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* Z (Not started)</li> <li>* I (Initializing)</li> <li>* P (In Progress)</li> <li>* S (Completed Successfully)</li> <li>* V (All valid targets copied)</li> <li>* F (Failed)</li> <li>* G (Aborting)</li> <li>* A (Aborted)</li> <li>* R (Partially copied)</li> <li>* X (Expired)</li> <li>* D (All Snapshots Deleted)</li> <li>* K (Skipped)</li> </ul>	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

**response\_aws\_backups\_list\_s3\_copy\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		integer

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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	<b>backup_id</b> <i>required</i>	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	<b>backup_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_backups_script_logs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_script\_logs\_list

Name	Description	Schema
<b>log</b> <i>optional</i>	Log the output the scripts related to a backup data.	string

Name	Description	Schema
<b>title</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_script_logs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_script\_logs\_read

Name	Description	Schema
<b>log</b> <i>optional</i>	Log the output the scripts related to a backup data.	string
<b>title</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string

### 6.5.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_read_0</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_read\_0

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Account Name	string

Name	Description	Schema
<b>aws_image_id</b> <i>optional</i>	Initial AMI ID.	string
<b>backed_up_resource_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>region</b> <i>optional</i>	Snapshot's DR region.	string
<b>snapshot_type</b> <i>optional</i>	Snapshot type.	string
<b>succeeded</b> <i>optional</i>	'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	<b>backup_id</b> <i>required</i>	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:* 1.7.0

### 6.7.2. Parameters

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

### 6.7.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_copy_to_s3_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_copy\_to\_s3\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>archive_status</b> <i>optional</i>	Status of snapshot's Archive operation, if performed.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>capacity</b> <i>optional</i>	Capacity of the volume (Gib).	integer
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>device</b> <i>optional</i>	Device of volume.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>encryption_key_alias</b> <i>optional</i>	Alias for the snapshot's encryption key, relevant if encrypted.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string

Name	Description	Schema
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>repository_id</b> <i>optional</i>	Repository ID where S3 snapshot is stored.	string
<b>retrieve_expiration</b> <i>optional</i>	If archived snapshot was retrieved backup to S3 in order to restore, this is the retrieved data's expiration date.	string
<b>retrieve_status</b> <i>optional</i>	Status of archived snapshot's Retrieve operation, if performed.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	string
<b>throughput</b> <i>optional</i>	The throughput that the volume can support.	integer
<b>tier</b> <i>optional</i>	Current snapshot life-cycle tier.  <b>Allowed Enum Values</b> * S (S3) * A (Archived)	enum (S, A)
<b>type</b> <i>optional</i>	Volume type.	string
<b>username</b> <i>optional</i>	Associated user's username.	string

Name	Description	Schema
<b>zone</b> <i>optional</i>	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:* 1.7.0

### 6.8.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.8.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_copy_to_s3_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_copy\_to\_s3\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string



<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>archive_status</b> <i>optional</i>	Status of snapshot's Archive operation, if performed.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>capacity</b> <i>optional</i>	Capacity of the volume (Gib).	integer
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>device</b> <i>optional</i>	Device of volume.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>encryption_key_alias</b> <i>optional</i>	Alias for the snapshot's encryption key, relevant if encrypted.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>repository_id</b> <i>optional</i>	Repository ID where S3 snapshot is stored.	string
<b>retrieve_expiration</b> <i>optional</i>	If archived snapshot was retrieved backup to S3 in order to restore, this is the retrieved data's expiration date.	string

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

### 6.8.4. Produces

- `application/json`

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

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

### 6.9.1. 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

### 6.9.2. Parameters

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

Type	Name	Description	Schema
Query	<b>region</b> <i>optional</i>	Snapshot's region ID.	number
Query	<b>resource</b> <i>optional</i>	None	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string

### 6.9.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_dr_efs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_dr\_efs\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>		integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Elastic File System (EFS) ID	string
<b>backed_up_resource_name</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>backup_iam_role_arn</b> <i>optional</i>		string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>backup_vault_name</b> <i>optional</i>		string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>dr_account</b> <i>optional</i>	ID of DR Account.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string

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

Name	Description	Schema
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string

#### 6.9.4. Produces

- `application/json`

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

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

### 6.10.1. 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

### 6.10.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.10.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_dr_efs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_aws\_backups\_snapshots\_dr\_efs\_read**

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



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

#### 6.10.4. Produces

- `application/json`

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

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

### 6.11.1. 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

### 6.11.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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 Elastic File System (EFS) from DR backup

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

### 6.12.1. 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

### 6.12.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_dr_efs_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_dr_efs_recover_create</a>

#### data\_aws\_backups\_snapshots\_dr\_efs\_recover\_create

Name	Description	Schema
<b>aws_availability_zone</b> <i>optional</i>	Availability zone (relevant for One Zone class)	string
<b>credentials</b> <i>optional</i>		<a href="#">data_aws_backups_snapshots_dr_efs_recover_create_credentials</a>

Name	Description	Schema
<b>cross_account_copy_iam_role_arn</b> <i>optional</i>	Cross account copy IAM role ARN	string
<b>encryption_key</b> <i>optional</i>	Encryption key ARN (relevant when recovering to new EFS)	string
<b>iam_role_arn</b> <i>optional</i>	Recovery IAM role ARN	string
<b>items_to_restore</b> <i>optional</i>	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
<b>performance_mode</b> <i>optional</i>	Performance mode option (relevant when recovering to new EFS)  <b>Allowed Enum Values</b> * generalPurpose (General Purpose) * maxIO (Max I/O)	enum (generalPurpose, maxIO)
<b>preserve_tags</b> <i>optional</i>	Whether to associate the same tags to the recovered EFS (relevant when recovering to new EFS)	boolean
<b>target_efs</b> <i>optional</i>	Recovery target - new Elastic File System (EFS) or original  <b>Allowed Enum Values</b> * N (New) * O (Original)	enum (N, O)
<b>to_account</b> <i>optional</i>	Restore to account.	string

**data\_aws\_backups\_snapshots\_dr\_efs\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**6.12.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_dr_efs_recover_create</a>
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\_efs\_recover\_create**

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

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

**response\_aws\_backups\_snapshots\_dr\_efs\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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 Initial AMI snapshots of a given backup record

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

### 6.13.1. 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

### 6.13.2. Parameters

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

### 6.13.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_dr_initial_amis_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_backups\_snapshots\_dr\_initial\_amis\_list**



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

#### 6.13.4. Produces

- `application/json`

## 6.14. Retrieve a DR *Initial* AMI snapshot of a given backup record

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

### 6.14.1. Description

This endpoint returns the DR *Initial* 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

### 6.14.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.14.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_dr_initial_amis_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_dr\_initial\_amis\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer

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

#### 6.14.4. Produces

- `application/json`

## 6.15. Delete the Initial AMI snapshot of a backup record

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

### 6.15.1. 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

### 6.15.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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. List the DR RDS cluster snapshots of a backup record

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

### 6.16.1. 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

### 6.16.2. Parameters

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

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

### 6.16.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_dr_rds_clusters_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_dr\_rds\_clusters\_list

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

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

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

#### 6.16.4. Produces

- `application/json`



## 6.17. Retrieve a DR RDS cluster snapshot of a backup record

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

### 6.17.1. 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

### 6.17.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.17.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_dr_rds_clusters_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_dr\_rds\_clusters\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer

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

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

Name	Description	Schema
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>vpc</b> <i>optional</i>	ID of VPC.	string
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 6.17.4. Produces

- `application/json`

## 6.18. Delete a DR RDS cluster snapshot of a backup record

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

### 6.18.1. 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

### 6.18.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.18.3. Responses

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

## 6.19. Recover DR RDS cluster from backup

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

### 6.19.1. 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

### 6.19.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_dr_rds_clusters_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_dr_rds_clusters_recover_create</a>

#### data\_aws\_backups\_snapshots\_dr\_rds\_clusters\_recover\_create

Name	Description	Schema
<b>aws_dbinstance_id</b> <i>optional</i>	New unique identifier of the restored RDS DB instance resource.	string
<b>aws_resource_id</b> <i>required</i>	New unique identifier of the restored resource.	string

Name	Description	Schema
<b>credentials</b> <i>optional</i>	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	<a href="#">data_aws_backups_snapshots_dr_rds_clusters_recover_create_credentials</a>
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>db_parameter_group</b> <i>optional</i>	Parameter group to configure the recovered RDS DB of RDS cluster, default as the original RDS.	string
<b>engine_mode</b> <i>optional</i>	The DB engine mode of the DB cluster.	string
<b>instance_type</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>parameter_group</b> <i>optional</i>	Parameter group to configure the recovered RDS cluster, default as the original RDS.	string
<b>security_groups</b> <i>optional</i>	Security groups to configure the recovered RDS, default as the original RDS.	< string > array
<b>serverless_auto_pause</b> <i>optional</i>	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
<b>serverless_max_capacity</b> <i>optional</i>	The maximum capacity for an Aurora DB cluster in serverless DB engine mode.  <b>Allowed Enum Values</b> * 1 (2GB RAM) * 2 (4GB RAM) * 4 (8GB RAM) * 8 (16GB RAM) * 16 (32GB RAM) * 32 (64GB RAM) * 64 (122GB RAM) * 128 (244GB RAM) * 256 (488GB RAM)	enum (1, 2, 4, 8, 16, 32, 64, 128, 256)

Name	Description	Schema
<b>serverless_min_capacity</b> <i>optional</i>	The minimum capacity for an Aurora DB cluster in serverless DB engine mode.  <b>Allowed Enum Values</b> * 1 (2GB RAM) * 2 (4GB RAM) * 4 (8GB RAM) * 8 (16GB RAM) * 16 (32GB RAM) * 32 (64GB RAM) * 64 (122GB RAM) * 128 (244GB RAM) * 256 (488GB RAM)	enum (1, 2, 4, 8, 16, 32, 64, 128, 256)
<b>serverless_seconds_until_auto_pause</b> <i>optional</i>	The time, in seconds, before an Aurora DB cluster in serverless mode is paused.	integer
<b>serverless_timeout_action</b> <i>optional</i>	The action to take when the timeout is reached, either ForceApplyCapacityChange or RollbackCapacityChange.  <b>Allowed Enum Values</b> * 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)
<b>subnet_group_name</b> <i>optional</i>	Name of the subnet group where the resource will be restored.	string
<b>to_account</b> <i>optional</i>	Restore to account.	string
<b>vpc</b> <i>optional</i>	ID of VPC.	string
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**data\_aws\_backups\_snapshots\_dr\_rds\_clusters\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string



### 6.19.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_dr_rds_clusters_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_dr_rds_clusters_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer

Name	Description	Schema
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_dr_rds_clusters_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

Name	Description	Schema
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_dr\_rds\_clusters\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.19.4. Consumes**

- [application/json](#)

## 6.19.5. Produces

- `application/json`

## 6.20. List the DR RDS snapshots of a backup record

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

### 6.20.1. 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

### 6.20.2. Parameters

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

Type	Name	Description	Schema
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string

### 6.20.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_dr_rds_databases_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### **response\_aws\_backups\_snapshots\_dr\_rds\_databases\_list**

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>dr_account</b> <i>optional</i>	ID of DR Account.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>engine</b> <i>optional</i>		string
<b>engine_version</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

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

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>subnet_group_name</b> <i>optional</i>	Name of AWS subnet group.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>vpc</b> <i>optional</i>	ID of VPC.	string
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 6.20.4. Produces

- `application/json`



## 6.21. Retrieve a DR RDS snapshot of a backup record

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

### 6.21.1. 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

### 6.21.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.21.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_dr_rds_databases_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_dr\_rds\_databases\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

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

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

#### 6.21.4. Produces

- `application/json`

## 6.22. Delete a DR RDS snapshot of backup record

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

### 6.22.1. 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

### 6.22.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.22.3. Responses

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

## 6.23. Recover DR RDS databases from backup

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

### 6.23.1. 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

### 6.23.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_dr_rds_databases_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_dr_rds_databases_recover_create</a>

#### data\_aws\_backups\_snapshots\_dr\_rds\_databases\_recover\_create

Name	Description	Schema
<b>aws_resource_id</b> <i>required</i>	New unique identifier of the restored resource.	string
<b>credentials</b> <i>optional</i>	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	<a href="#">data_aws_backups_snapshots_dr_rds_databases_recover_create_credentials</a>

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

**data\_aws\_backups\_snapshots\_dr\_rds\_databases\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

### 6.23.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_dr_rds_databases_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_dr_rds_databases_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer

Name	Description	Schema
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_dr_rds_databases_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* P (In Progress)</li> <li>* R (Recovery Successful)</li> <li>* A (Recovery Partially Successful)</li> <li>* F (Recovery Failed)</li> </ul>	enum (P, R, A, F)



Name	Description	Schema
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_dr\_rds\_databases\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.23.4. Consumes**

- application/json



### 6.23.5. Produces

- `application/json`

## 6.24. List the DR volume snapshots of a backup record

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

### 6.24.1. 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:* 1.4.0

### 6.24.2. Parameters

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

Type	Name	Description	Schema
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string

### 6.24.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_dr_volumes_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_dr\_volumes\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>capacity</b> <i>optional</i>		integer
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>device</b> <i>optional</i>		string
<b>dr_account</b> <i>optional</i>		string
<b>encrypted</b> <i>optional</i>		boolean
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

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

#### 6.24.4. Produces

- `application/json`

## 6.25. Retrieve a DR volume snapshot of a backup record

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

### 6.25.1. 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:* 1.4.0

### 6.25.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.25.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_dr_volumes_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_dr\_volumes\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

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

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

#### 6.25.4. Produces

- `application/json`



## 6.26. Delete a DR volume snapshot of a backup record

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

### 6.26.1. 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

### 6.26.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.26.3. Responses

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

## 6.27. Recover DR volume from backup

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

### 6.27.1. 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

### 6.27.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_dr_volumes_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_dr_volumes_recover_create</a>

#### data\_aws\_backups\_snapshots\_dr\_volumes\_recover\_create

Name	Description	Schema
<b>attach_behaviour</b> <i>optional</i>	<p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* <code>attach_free</code> (Attach only if Device is Free.)</li> <li>* <code>switch_no_delete</code> (Switch Attached Volumes.)</li> <li>* <code>switch_and_delete</code> (Switch Attached Volumes and Delete Old Ones.)</li> </ul>	enum ( <code>attach_free</code> , <code>switch_no_delete</code> , <code>switch_and_delete</code> )

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

**data\_aws\_backups\_snapshots\_dr\_volumes\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**6.27.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_dr_volumes_recover_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content

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

**response\_aws\_backups\_snapshots\_dr\_volumes\_recover\_create**

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

Name	Description	Schema
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_dr_volumes_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* P (In Progress)</li> <li>* R (Recovery Successful)</li> <li>* A (Recovery Partially Successful)</li> <li>* F (Recovery Failed)</li> </ul>	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_dr\_volumes\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.27.4. Consumes**

- application/json

**6.27.5. Produces**

- application/json

## 6.28. List the DynamoDB table snapshots of a backup record

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

### 6.28.1. 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

### 6.28.2. Parameters

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

Type	Name	Description	Schema
Query	<b>region</b> <i>optional</i>	Snapshot's region ID.	string
Query	<b>resource</b> <i>optional</i>	A full or partial resource ID to search by.	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.28.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_dynamodb_tables_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_dynamodb\_tables\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string



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

#### 6.28.4. Produces

- `application/json`

## 6.29. Retrieve a DynamoDB table snapshot of a backup record

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

### 6.29.1. 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

### 6.29.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.29.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_dynamodb_tables_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_aws\_backups\_snapshots\_dynamodb\_tables\_read**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string

Name	Description	Schema
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string

#### 6.29.4. Produces

- `application/json`

## 6.30. Delete a DynamoDB table snapshot of a backup record

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

### 6.30.1. 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

### 6.30.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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 DynamoDB table from backup

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

### 6.31.1. 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

### 6.31.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_dynamodb_tables_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_dynamodb_tables_recover_create</a>

#### data\_aws\_backups\_snapshots\_dynamodb\_tables\_recover\_create

Name	Description	Schema
<b>aws_resource_name</b> <i>required</i>	New resource name of the restored resource.	string
<b>credentials</b> <i>optional</i>	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	<a href="#">data_aws_backups_snapshots_dynamodb_tables_recover_create_credentials</a>

**data\_aws\_backups\_snapshots\_dynamodb\_tables\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**6.31.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_dynamodb_tables_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery’s source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery’s source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_dynamodb_tables_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_dynamodb_tables_recover_create_s3_recover_status</a>



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

**response\_aws\_backups\_snapshots\_dynamodb\_tables\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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 Elastic File System (EFS) backups of a backup record

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

### 6.32.1. 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

### 6.32.2. Parameters

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

Type	Name	Description	Schema
Query	<b>region</b> <i>optional</i>	Snapshot's region ID.	number
Query	<b>resource</b> <i>optional</i>	A full or partial resource ID to search by.	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.32.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_efs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_efs\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>aws_availability_zone</b> <i>optional</i>	Backed-up Elastic File System's availability zone (relevant for One Zone class)	string
<b>backed_up_resource_id</b> <i>optional</i>	Elastic File System (EFS) ID	string
<b>backed_up_resource_name</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>backup_iam_role_arn</b> <i>optional</i>	Backup IAM role ARN	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>backup_vault_name</b> <i>optional</i>	AWS Backup vault name	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>expire_time</b> <i>optional</i>	AWS Backup recovery point expiration time (if defined)	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>move_to_cold_storage_time</b> <i>optional</i>	AWS Backup recovery point transition to cold storage time (if defined)	string
<b>original_kms_key_id</b> <i>optional</i>	Backed-up Elastic File System's encryption key ID	string
<b>performance_mode</b> <i>optional</i>	Performance mode option	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_id</b> <i>optional</i>	AWS Backup recovery point ID	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string

#### 6.32.4. Produces

- `application/json`

## 6.33. Retrieve an Elastic File System (EFS) backup of a backup record

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

### 6.33.1. 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

### 6.33.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.33.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_efs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_aws\_backups\_snapshots\_efs\_read**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>aws_availability_zone</b> <i>optional</i>	Backed-up Elastic File System's availability zone (relevant for One Zone class)	string
<b>backed_up_resource_id</b> <i>optional</i>	Elastic File System (EFS) ID	string
<b>backed_up_resource_name</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>backup_iam_role_arn</b> <i>optional</i>	Backup IAM role ARN	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>backup_vault_name</b> <i>optional</i>	AWS Backup vault name	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>expire_time</b> <i>optional</i>	AWS Backup recovery point expiration time (if defined)	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>move_to_cold_storage_time</b> <i>optional</i>	AWS Backup recovery point transition to cold storage time (if defined)	string
<b>original_kms_key_id</b> <i>optional</i>	Backed-up Elastic File System's encryption key ID	string
<b>performance_mode</b> <i>optional</i>	Performance mode option	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string



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

#### 6.33.4. Produces

- `application/json`

## 6.34. Delete an Elastic File System (EFS) backup of a backup record

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

### 6.34.1. 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

### 6.34.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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 Elastic File System (EFS) from backup

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

### 6.35.1. 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

### 6.35.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_efs_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_efs_recover_create</a>

#### data\_aws\_backups\_snapshots\_efs\_recover\_create

Name	Description	Schema
<b>aws_availability_zone</b> <i>optional</i>	Availability zone (relevant for One Zone class)	string
<b>credentials</b> <i>optional</i>		<a href="#">data_aws_backups_snapshots_efs_recover_create_credentials</a>

Name	Description	Schema
<b>cross_account_copy_iam_role_arn</b> <i>optional</i>	Cross account copy IAM role ARN	string
<b>encryption_key</b> <i>optional</i>	Encryption key ARN (relevant when recovering to new EFS)	string
<b>iam_role_arn</b> <i>optional</i>	Recovery IAM role ARN	string
<b>items_to_restore</b> <i>optional</i>	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
<b>performance_mode</b> <i>optional</i>	Performance mode option (relevant when recovering to new EFS)  <b>Allowed Enum Values</b> * generalPurpose (General Purpose) * maxIO (Max I/O)	enum (generalPurpose, maxIO)
<b>preserve_tags</b> <i>optional</i>	Whether to associate the same tags to the recovered EFS (relevant when recovering to new EFS)	boolean
<b>target_efs</b> <i>optional</i>	Recovery target - new Elastic File System (EFS) or original  <b>Allowed Enum Values</b> * N (New) * O (Original)	enum (N, O)
<b>to_account</b> <i>optional</i>	Restore to account.	string

**data\_aws\_backups\_snapshots\_efs\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**6.35.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_efs_recover_create</a>
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\_efs\_recover\_create**

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

Name	Description	Schema
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_efs_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* P (In Progress)</li> <li>* R (Recovery Successful)</li> <li>* A (Recovery Partially Successful)</li> <li>* F (Recovery Failed)</li> </ul>	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_efs\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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 File System (FSx) volume backups of a backup record

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

### 6.36.1. 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

### 6.36.2. Parameters

Type	Name	Description	Schema
Path	<b>backup_id</b> <i>required</i>		string
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>account_name</b> <i>optional</i>	Associated account name.	string
Query	<b>aws_fsx_id</b> <i>optional</i>	File System (FSX) ID	string
Query	<b>aws_region</b> <i>optional</i>	Snapshot's AWS text region.	string
Query	<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
Query	<b>file_system_type</b> <i>optional</i>	FSx file system type.	string
Query	<b>from_time</b> <i>optional</i>	Include snapshots belonging to backups which started from this time forward.	string



Type	Name	Description	Schema
Query	<b>fsx_backup_rec ordaws_fsx_id</b> <i>optional_</i>	None	string
Query	<b>fsx_backup_rec ordfile_system_ type</b> <i>optional_</i>	None	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	Snapshot's region ID.	number
Query	<b>resource</b> <i>optional</i>	A full or partial resource ID to search by.	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string

### 6.36.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_fsx_volumes_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_fsx\_volumes\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>		integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>aws_fsx_id</b> <i>optional</i>	File System (FSX) ID	string
<b>backed_up_resource_id</b> <i>optional</i>	File System (FSx) Volume ID	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>backed_up_resource_name</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>file_system_type</b> <i>optional</i>	FSx file system type.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>original_aws_svm_id</b> <i>optional</i>	Original SVM AWS ID.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>		string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>snapshot_id</b> <i>optional</i>	AWS FSx Volume Backup ID	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>storage_type</b> <i>optional</i>		string

Name	Description	Schema
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Name of the owner user.	string

#### 6.36.4. Produces

- `application/json`

## 6.37. Retrieve an File System (FSx) volume backup of a backup record

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

### 6.37.1. 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

### 6.37.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.37.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_fsx_volumes_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_fsx\_volumes\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>		integer

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>aws_fsx_id</b> <i>optional</i>	File System (FSX) ID	string
<b>backed_up_resource_id</b> <i>optional</i>	File System (FSx) Volume ID	string
<b>backed_up_resource_name</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>file_system_type</b> <i>optional</i>	FSx file system type.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>original_aws_svm_id</b> <i>optional</i>	Original SVM AWS ID.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>		string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>snapshot_id</b> <i>optional</i>	AWS FSx Volume Backup ID	string

Name	Description	Schema
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ( <code>'ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift'</code> )	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>storage_type</b> <i>optional</i>		string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Name of the owner user.	string

#### 6.37.4. Produces

- `application/json`

## 6.38. Delete an File System (FSx) volume backup of a backup record

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

### 6.38.1. 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

### 6.38.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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 File System (FSx) volume from backup

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

### 6.39.1. 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

### 6.39.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_fsx_volumes_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_fsx_volumes_recover_create</a>

#### data\_aws\_backups\_snapshots\_fsx\_volumes\_recover\_create

Name	Description	Schema
<b>aws_fsx_volume_id</b> <i>optional</i>	FSx Volume ID.	string
<b>existing_aws_svm_id</b> <i>optional</i>	Existing FSx SVM ID.	string
<b>fsx_name_tag</b> <i>optional</i>	FSx Volume name.	string



Name	Description	Schema
<b>preserve_tags</b> <i>optional</i>		boolean

### 6.39.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_fsx_volumes_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_fsx_volumes_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string

Name	Description	Schema
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_fsx_volumes_recover_create_s3_recover_status</a>

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

**response\_aws\_backups\_snapshots\_fsx\_volumes\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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 File System (FSx) backups of a backup record

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

### 6.40.1. 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:* 1.6.0

### 6.40.2. Parameters

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

Type	Name	Description	Schema
Query	<b>region</b> <i>optional</i>	Snapshot's region ID.	number
Query	<b>resource</b> <i>optional</i>	A full or partial resource ID to search by.	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.40.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_fsxs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_fsxs\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>active_directory_id</b> <i>optional</i>	Active Directory Id.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>aws_security_group_ids</b> <i>optional</i>		< string > array
<b>aws_subnet_ids</b> <i>optional</i>		< string > array
<b>aws_vpc_id</b> <i>optional</i>	VPC Id of the networking entities.	string
<b>backed_up_resource_id</b> <i>optional</i>	File System (FSX) ID	string
<b>backed_up_resource_name</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>deployment_type</b> <i>optional</i>	FSx deployment type.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>file_system_type</b> <i>optional</i>	FSx file system type.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>original_kms_key_id</b> <i>optional</i>		string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>preferred_subnet_id</b> <i>optional</i>	Preferred subnet Id.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>self_managed_admin_group</b> <i>optional</i>	File system administrators group.	string
<b>self_managed_domain_name</b> <i>optional</i>	Domain name.	string
<b>self_managed_ip_addresses</b> <i>optional</i>	List of DNS IPs.	< string > array
<b>self_managed_organizational_unit_distinguished_name</b> <i>optional</i>	Organizational unit distinguished name.	string
<b>self_managed_user_name</b> <i>optional</i>	User name.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string

Name	Description	Schema
<b>snapshot_id</b> <i>optional</i>	AWS FSx Backup ID	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ( <code>'ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift'</code> )	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>storage_type</b> <i>optional</i>		string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>throughput_capacity</b> <i>optional</i>	Throughput capacity.	string
<b>username</b> <i>optional</i>	Associated user's username.	string

#### 6.40.4. Produces

- `application/json`



## 6.41. Retrieve an File System (FSx) backup of a backup record

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

### 6.41.1. 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:* 1.6.0

### 6.41.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.41.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_fsxs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_fsxs\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>active_directory_id</b> <i>optional</i>	Active Directory Id.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>aws_security_group_ids</b> <i>optional</i>		< string > array
<b>aws_subnet_ids</b> <i>optional</i>		< string > array
<b>aws_vpc_id</b> <i>optional</i>	VPC Id of the networking entities.	string
<b>backed_up_resource_id</b> <i>optional</i>	File System (FSX) ID	string
<b>backed_up_resource_name</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>deployment_type</b> <i>optional</i>	FSx deployment type.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>file_system_type</b> <i>optional</i>	FSx file system type.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>original_kms_key_id</b> <i>optional</i>		string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>preferred_subnet_id</b> <i>optional</i>	Preferred subnet Id.	string

Name	Description	Schema
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>self_managed_admin_group</b> <i>optional</i>	File system administrators group.	string
<b>self_managed_domain_name</b> <i>optional</i>	Domain name.	string
<b>self_managed_ip_addresses</b> <i>optional</i>	List of DNS IPs.	< string > array
<b>self_managed_organizational_unit_distinguished_name</b> <i>optional</i>	Organizational unit distinguished name.	string
<b>self_managed_user_name</b> <i>optional</i>	User name.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_id</b> <i>optional</i>	AWS FSx Backup ID	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>storage_type</b> <i>optional</i>		string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>throughput_capacity</b> <i>optional</i>	Throughput capacity.	string
<b>username</b> <i>optional</i>	Associated user's username.	string

#### 6.41.4. Produces

- `application/json`

## 6.42. Delete an File System (FSx) backup of a backup record

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

### 6.42.1. 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

### 6.42.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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 File System (Windows or Lustre) (FSx) from backup

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

### 6.43.1. 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

### 6.43.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_fsxs_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_fsxs_recover_create</a>

#### data\_aws\_backups\_snapshots\_fsxs\_recover\_create

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

Name	Description	Schema
<b>aws_subnet_ids</b> <i>optional</i>	Subnets to configure the recovered FSx, default as the original FSx.	< string > array
<b>credentials</b> <i>optional</i>		<a href="#">data_aws_backups_snapshots_fsxs_recover_create_credentials</a>
<b>fsx_admin_password</b> <i>optional</i>	FSx administrative password.	string
<b>fsx_name_tag</b> <i>optional</i>	FSx name	string
<b>fsx_volumes</b> <i>optional</i>	FSx volumes to recover.	< <a href="#">data_aws_backups_snapshots_fsxs_recover_create_fsx_volumes</a> > array
<b>preferred_subnet_id</b> <i>optional</i>	For Windows - Preferred subnet ID for recovered FSx, default as the original FSx.	string
<b>preserve_tags</b> <i>optional</i>	Whether to associate the same tags to the recovered FSx.	boolean
<b>self_managed_ad</b> <i>optional</i>	For Windows - self managed Active Directory configuration parameters.	<a href="#">data_aws_backups_snapshots_fsxs_recover_create_self_managed_ad</a>
<b>throughput_capacity</b> <i>optional</i>	For Windows - Throuput capacity for recovered FSx, default as the original FSx.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* 8 (8 MB/s)</li> <li>* 16 (16 MB/s)</li> <li>* 32 (32 MB/s)</li> <li>* 64 (64 MB/s)</li> <li>* 128 (128 MB/s)</li> <li>* 256 (256 MB/s)</li> <li>* 512 (512 MB/s)</li> <li>* 1024 (1024 MB/s)</li> <li>* 2048 (2048 MB/s)</li> </ul>	enum (8, 16, 32, 64, 128, 256, 512, 1024, 2048)
<b>volumes_only_recovery</b> <i>optional</i>	'Volumes Only' recovery flag	boolean

**data\_aws\_backups\_snapshots\_fsxs\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**data\_aws\_backups\_snapshots\_fsxs\_recover\_create\_fsx\_volumes**

Name	Description	Schema
<b>aws_fsx_volume_id</b> <i>optional</i>	FSx Volume ID.	string
<b>existing_aws_svm_id</b> <i>optional</i>	Existing FSx SVM ID.	string
<b>fsx_name_tag</b> <i>optional</i>	FSx Volume name.	string
<b>preserve_tags</b> <i>optional</i>		boolean

**data\_aws\_backups\_snapshots\_fsxs\_recover\_create\_self\_managed\_ad**

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

**6.43.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_fsxs_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_fsxs_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string



Name	Description	Schema
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_fsxs_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_fsxs\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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 Initial AMI snapshots of a given backup record

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

### 6.44.1. 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

### 6.44.2. Parameters

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

### 6.44.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_initial_amis_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_backups\_snapshots\_initial\_amis\_list**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Account Name	string
<b>aws_image_id</b> <i>optional</i>	Initial AMI ID.	string
<b>backed_up_resource_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>region</b> <i>optional</i>	Snapshot's DR region.	string
<b>snapshot_type</b> <i>optional</i>	Snapshot type.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, 'false' otherwise.	boolean

#### 6.44.4. Produces

- `application/json`

## 6.45. Retrieve the Initial AMI snapshots of a given backup record

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

### 6.45.1. 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

### 6.45.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.45.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_initial_amis_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_initial\_amis\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer

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

#### 6.45.4. Produces

- `application/json`

## 6.46. Delete the Initial AMI snapshots of a given backup record

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

### 6.46.1. 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

### 6.46.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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. List all instances of a backup record

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

### 6.47.1. 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

### 6.47.2. Parameters

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

### 6.47.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_instances_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_backups\_snapshots\_instances\_list**



Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>aws_architecture</b> <i>optional</i>	Instance's AWS architecture.	string
<b>aws_disable_api_termination</b> <i>optional</i>	States whether terminating the instance by API is enabled or not. The default value will be as the backed-up instance.	boolean
<b>aws_image_id</b> <i>optional</i>	Initial AMI ID.	string
<b>aws_instance_type</b> <i>optional</i>	Instance's AWS type.	string
<b>aws_ip_address</b> <i>optional</i>	Instance's IP address.	string
<b>aws_kernel_id</b> <i>optional</i>	Will hold the kernel id of the backed-up instance.	string
<b>aws_key_name</b> <i>optional</i>	Instance's AWS key name.	string
<b>aws_monitored</b> <i>optional</i>	Is True if monitoring should be allowed for the new instance. The default will be the value in the backed-up instance.	boolean
<b>aws_ram_disk_id</b> <i>optional</i>	Will hold the RAM Disk id of the backed-up instance.	string
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>aws_security_groups</b> <i>optional</i>	Instance's AWS security groups.	< string > array
<b>aws_shutdown_behaviour</b> <i>optional</i>	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
<b>aws_subnet_id</b> <i>optional</i>	Instance's subnet ID.	string
<b>aws_user_data</b> <i>optional</i>	The text of the user data. Special encoding or using a file as the source is not currently supported from within N2WS.	string
<b>aws_virtualization_type</b> <i>optional</i>	AWS virtualization type.	string
<b>backed_up_resource_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Instance's AWS name.	string

Name	Description	Schema
<b>ebs_optimized</b> <i>optional</i>	Is True to launch an EBS Optimized instance. The default will be the value from the backed-up instance.	boolean
<b>ena_support</b> <i>optional</i>	ENA option for this instance.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_profile_arn</b> <i>optional</i>	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
<b>is_root_device_ebs</b> <i>optional</i>	States whether instance's root device is based on EBS.	boolean
<b>platform</b> <i>optional</i>	Instance's platform.	string
<b>region</b> <i>optional</i>	Snapshot's DR region.	string
<b>tenancy</b> <i>optional</i>	Tenancy option for this instance.	string

#### 6.47.4. Produces

- `application/json`

## 6.48. Retrieve an instance of a backup record

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

### 6.48.1. 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:* 1.4.0

### 6.48.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.48.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_instances_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_instances\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>aws_architecture</b> <i>optional</i>	Instance's AWS architecture.	string

Name	Description	Schema
<b>aws_disable_api_termination</b> <i>optional</i>	States whether terminating the instance by API is enabled or not. The default value will be as the backed-up instance.	boolean
<b>aws_image_id</b> <i>optional</i>	Initial AMI ID.	string
<b>aws_instance_type</b> <i>optional</i>	Instance's AWS type.	string
<b>aws_ip_address</b> <i>optional</i>	Instance's IP address.	string
<b>aws_kernel_id</b> <i>optional</i>	Will hold the kernel id of the backed-up instance.	string
<b>aws_key_name</b> <i>optional</i>	Instance's AWS key name.	string
<b>aws_monitored</b> <i>optional</i>	Is True if monitoring should be allowed for the new instance. The default will be the value in the backed-up instance.	boolean
<b>aws_ram_disk_id</b> <i>optional</i>	Will hold the RAM Disk id of the backed-up instance.	string
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>aws_security_groups</b> <i>optional</i>	Instance's AWS security groups.	< string > array
<b>aws_shutdown_behaviour</b> <i>optional</i>	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
<b>aws_subnet_id</b> <i>optional</i>	Instance's subnet ID.	string
<b>aws_user_data</b> <i>optional</i>	The text of the user data. Special encoding or using a file as the source is not currently supported from within N2WS.	string
<b>aws_virtualization_type</b> <i>optional</i>	AWS virtualization type.	string
<b>backed_up_resource_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Instance's AWS name.	string
<b>ebs_optimized</b> <i>optional</i>	Is True to launch an EBS Optimized instance. The default will be the value from the backed-up instance.	boolean

Name	Description	Schema
<b>ena_support</b> <i>optional</i>	ENA option for this instance.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_profile_arn</b> <i>optional</i>	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
<b>is_root_device_ebs</b> <i>optional</i>	States whether instance's root device is based on EBS.	boolean
<b>platform</b> <i>optional</i>	Instance's platform.	string
<b>region</b> <i>optional</i>	Snapshot's DR region.	string
<b>tenancy</b> <i>optional</i>	Tenancy option for this instance.	string

#### 6.48.4. Produces

- `application/json`

## 6.49. Return AMI of instance of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/ami/
```

### 6.49.1. 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

### 6.49.2. Parameters

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

### 6.49.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_instances_ami_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_aws\_backups\_snapshots\_instances\_ami\_list**

Name	Description	Schema
<b>aws_hypervisor</b> <i>optional</i>	Instance's AMI AWS hypervisor.	string
<b>aws_image_id</b> <i>optional</i>	Instance's AMI AWS image ID.	string
<b>aws_owner_alias</b> <i>optional</i>	Instance's AMI AWS owner alias.	string
<b>aws_owner_id</b> <i>optional</i>	Instance's AMI AWS owner ID.	string
<b>aws_region</b> <i>optional</i>	Instance's AMI AWS region.	string
<b>aws_virtualization_type</b> <i>optional</i>	Instance's AMI AWS virtualization type.	string
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>root_device_name</b> <i>optional</i>	Instance's AMI name of root device.	string
<b>root_device_type</b> <i>optional</i>	Instance's AMI type of root device.	string

#### 6.49.4. Produces

- `application/json`

## 6.50. List AWS additional nics for instance

```
GET /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/aws_additional_nics/
```

### 6.50.1. 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

### 6.50.2. Parameters

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

### 6.50.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_instances_aws_additional_nics_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_backups\_snapshots\_instances\_aws\_additional\_nics\_list**



Name	Description	Schema
<b>display_name</b> <i>optional</i>	Display name of the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource.	string

#### 6.50.4. Produces

- `application/json`

## 6.51. Return similar AMI of instance of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/find_similar_ami/
```

### 6.51.1. 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

### 6.51.2. Parameters

Type	Name	Description	Schema
Path	<b>backup_id</b> <i>required</i>		string
Path	<b>snapshot_id</b> <i>required</i>		string
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>aws_region</b> <i>optional</i>	Instance's AMI AWS region.	string
Query	<b>exact_match</b> <i>optional</i>	Instance's AMI exact match filter.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 6.51.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_instances_find_similar_ami_list</a> > 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
<b>aws_hypervisor</b> <i>optional</i>	Instance's AMI AWS hypervisor.	string
<b>aws_image_id</b> <i>optional</i>	Instance's AMI AWS image ID.	string
<b>aws_region</b> <i>optional</i>	Instance's AMI AWS region.	string
<b>aws_virtualization_type</b> <i>optional</i>	Instance's AMI AWS virtualization type.	string
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>kernel_id</b> <i>optional</i>	Instance's AMI kernel ID.	string
<b>match_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>ramdisk_id</b> <i>optional</i>	Instance's AMI ramdisk ID.	string
<b>root_device_name</b> <i>optional</i>	Instance's AMI name of root device.	string
<b>root_device_type</b> <i>optional</i>	Instance's AMI type of root device.	string

**6.51.4. Produces**

- `application/json`

## 6.52. Recover instance from backup

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

### 6.52.1. 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

### 6.52.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_instances_recover_create</b> <i>required</i>	<code>data_aws_backups_snapshots_instances_recover_create</code>

#### data\_aws\_backups\_snapshots\_instances\_recover\_create

Name	Description	Schema
<b>additional_nics</b> <i>optional</i>	AWS additional nics for instance.	< string > array

Name	Description	Schema
<b>ami_handling</b> <i>optional</i>	What to do with the registered new image If this instance is launched from a snapshot(S).  <b>Allowed Enum Values</b> * D (De-register after Recovery.) * L (Leave Registered after Recovery.) * O (Create_ami without Recovery.)	enum (D, L, O)
<b>architecture</b> <i>optional</i>	You can choose between i386 which is x86 - 32 bits and x86-64 bits.  <b>Allowed Enum Values</b> * 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)
<b>auto_assign_public_ip</b> <i>optional</i>	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.  <b>Allowed Enum Values</b> * 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)
<b>cpu_options</b> <i>optional</i>	The CPU options for the instance.	<a href="#">data_aws_backups_snapshots_instances_recover_create_cpu_options</a>
<b>credentials</b> <i>optional</i>		<a href="#">data_aws_backups_snapshots_instances_recover_create_credentials</a>
<b>disable_api_termination</b> <i>optional</i>	States whether terminating the new instance by API is enabled or not. The default value will be as the backed-up instance.	boolean
<b>ebs_optimized</b> <i>optional</i>	Is True to launch an EBS Optimized instance. The default will be the value from the backed-up instance.	boolean

Name	Description	Schema
<b>ena_support</b> <i>optional</i>	ENA option for this instance.	boolean
<b>enable_user_data</b> <i>optional</i>	States whether to use user data for this instance launch. If True, User Data becomes relevant.	boolean
<b>ephemeral_devices</b> <i>optional</i>	List of ephemeral drives to add to the new instance. The number of ephemeral storage devices you can use depend on the instance type.	< <a href="#">data_aws_backups_snapshots_instances_recover_create_ephemeral_devices</a> > array
<b>from_account</b> <i>optional</i>	Recover instance from this account.	integer
<b>image_id</b> <i>optional</i>	This is only relevant if Launch From is set to image, or if you are recovering a Windows instance.	string
<b>instance_profile_arn</b> <i>optional</i>	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

Name	Description	Schema
<p><b>instance_type</b> <i>optional</i></p>	<p>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 or placement method, the recovery operation will fail.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* t1.micro (t1.micro)</li> <li>* t2.nano (t2.nano)</li> <li>* t2.micro (t2.micro)</li> <li>* t2.small (t2.small)</li> <li>* t2.medium (t2.medium)</li> <li>* t2.large (t2.large)</li> <li>* t2.xlarge (t2.xlarge)</li> <li>* t2.2xlarge (t2.2xlarge)</li> <li>* t3.nano (t3.nano)</li> <li>* t3.micro (t3.micro)</li> <li>* t3.small (t3.small)</li> <li>* t3.medium (t3.medium)</li> <li>* t3.large (t3.large)</li> <li>* t3.xlarge (t3.xlarge)</li> <li>* t3.2xlarge (t3.2xlarge)</li> <li>* t3a.nano (t3a.nano)</li> <li>* t3a.micro (t3a.micro)</li> <li>* t3a.small (t3a.small)</li> <li>* t3a.medium (t3a.medium)</li> <li>* t3a.large (t3a.large)</li> <li>* t3a.xlarge (t3a.xlarge)</li> <li>* t3a.2xlarge (t3a.2xlarge)</li> <li>* t4g.nano (t4g.nano)</li> <li>* t4g.micro (t4g.micro)</li> <li>* t4g.small (t4g.small)</li> <li>* t4g.medium (t4g.medium)</li> <li>* t4g.large (t4g.large)</li> <li>* t4g.xlarge (t4g.xlarge)</li> <li>* t4g.2xlarge (t4g.2xlarge)</li> <li>* m4.large (m4.large)</li> <li>* m4.xlarge (m4.xlarge)</li> <li>* m4.2xlarge (m4.2xlarge)</li> <li>* m4.4xlarge (m4.4xlarge)</li> <li>* m4.10xlarge (m4.10xlarge)</li> <li>* m4.16xlarge (m4.16xlarge)</li> <li>* m5.large (m5.large)</li> <li>* m5.xlarge (m5.xlarge)</li> <li>* m5.2xlarge (m5.2xlarge)</li> <li>* m5.4xlarge (m5.4xlarge)</li> <li>* m5.8xlarge (m5.8xlarge)</li> <li>* m5.12xlarge (m5.12xlarge)</li> <li>* m5.16xlarge (m5.16xlarge)</li> </ul>	<p>enum (t1.micro, t2.nano, t2.micro, t2.small, t2.medium, t2.large, t2.xlarge, t2.2xlarge, t3.nano, t3.micro, t3.small, t3.medium, t3.large, t3.xlarge, t3.2xlarge, t3a.nano, t3a.micro, t3a.small, t3a.medium, t3a.large, t3a.xlarge, t3a.2xlarge, t4g.nano, t4g.micro, t4g.small, t4g.medium, t4g.large, t4g.xlarge, t4g.2xlarge, m4.large, m4.xlarge, m4.2xlarge, m4.4xlarge, m4.10xlarge, m4.16xlarge, m5.large, m5.xlarge, m5.2xlarge, m5.4xlarge, m5.8xlarge, m5.12xlarge, m5.16xlarge, m5.24xlarge, m5.metal, m5a.large, m5a.xlarge, m5a.2xlarge, m5a.4xlarge, m5a.8xlarge,</p>

Name	Description	Schema
<b>instance_volumes</b> <i>optional</i>	List of all instance volumes to recover. root will be recovered even if not specified.	< <a href="#">data_aws_backups_snapshots_instances_recover_create_instance_volumes</a> > array
<b>kernel_id</b> <i>optional</i>	Will hold the kernel id of the backed-up instance.	string
<b>key_pair</b> <i>optional</i>	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
<b>monitored</b> <i>optional</i>	Is True if monitoring should be allowed for the new instance. The default will be the value in the backed-up instance.	boolean
<b>num_instances_to_recover</b> <i>optional</i>	How many instances to launch from the image. The default is one.	integer
<b>placement</b> <i>optional</i>	The placement of the instance. By default, it will be the same placement as the backed-up instance.  <b>Allowed Enum Values</b> * Z (Availability zone placement for the instance.) * V (Vpc placement for the instance.) * G (Group placement for the instance.)	enum (Z, V, G)
<b>placement_group</b> <i>optional</i>	This option is only relevant if you chose By Placement Group in Placement.	string
<b>preserve_tags</b> <i>optional</i>	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
<b>ram_disk_id</b> <i>optional</i>	Will hold the RAM Disk id of the backed-up instance.	string
<b>restore_from</b> <i>optional</i>	Launch the boot device (image) from a snapshot(S) or use an existing image(I).For windows images we support only image based instances.  <b>Allowed Enum Values</b> * S (Restore instance from snapshot.) * I (Restore instance from image.) * C (Restore instance from image and replace root volume.)	enum (S, I, C)



Name	Description	Schema
<b>security_groups</b> <i>optional</i>	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
<b>shutdown_behaviour</b> <i>optional</i>	By default it will have the value of the original instance. If the recovered instance is instance-store-based, this option is not used  <b>Allowed Enum Values</b> * stop (Behaviour on shutdown - stop.) * terminate (Behaviour on shutdown - terminate.)	enum (stop, terminate)
<b>tenancy</b> <i>optional</i>	Tenancy option for this instance.  <b>Allowed Enum Values</b> * default (Instance tenancy shared.) * dedicated (Instance tenancy dedicated.) * host (Instance tenancy host.)	enum (default, dedicated, host)
<b>to_account</b> <i>optional</i>	Recover instance to this account.	integer
<b>to_region</b> <i>optional</i>	Target region for the instance recover.	integer
<b>user_data</b> <i>optional</i>	The text of the user data. Special encoding or using a file as the source is not currently supported from within N2WS.	string
<b>vpc</b> <i>optional</i>	This option is only relevant if you chose By VPC Subnet in Placement.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
<b>vpc_assign_ip</b> <i>optional</i>	This option is only relevant if you choose By VPC Subnet in Placement.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
<b>vpc_subnet_id</b> <i>optional</i>	This option is only relevant if you chose By VPC Subnet in Placement.This will hold all the subnets in the currently selected VPC.	< string > array

Name	Description	Schema
<b>zone</b> <i>optional</i>	Only relevany if you chose By Availability Zone in Placement.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
<b>core_count</b> <i>optional</i>	The number of CPU cores for the instance.	integer
<b>threads_per_core</b> <i>optional</i>	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
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**data\_aws\_backups\_snapshots\_instances\_recover\_create\_ephemeral\_devices**

Name	Description	Schema
<b>device</b> <i>optional</i>	Device of ephemeral device.	string
<b>epehemeral</b> <i>optional</i>	ephemeral of ephemeral device.	string

**data\_aws\_backups\_snapshots\_instances\_recover\_create\_instance\_volumes**

Name	Description	Schema
<b>capacity</b> <i>optional</i>	Capacity of a volume.	integer
<b>delete_on_termination</b> <i>optional</i>	Specify whether to delete volume on termination.	boolean
<b>device</b> <i>optional</i>	Which device it will be attached as. This is only used if you choose to automatically attach the recovered volume to an instance.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer

Name	Description	Schema
<b>preserve_tags</b> <i>optional</i>	Whether to associate the same tags (like the volume's name) to the recovered volume. Default is true.	boolean
<b>throughput</b> <i>optional</i>		integer
<b>volume_id</b> <i>optional</i>	Volume ID to do recover for, if root is not specified it will be automatically added.	string
<b>volume_type</b> <i>optional</i>	Type of the EBS volume.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* standard (Magnetic type of ebs volume.)</li> <li>* io1 (Magnetic type of ebs volume.)</li> <li>* io2 (Magnetic type of ebs volume.)</li> <li>* gp2 (Provisioned iops ssd type of ebs volume (gp2).)</li> <li>* gp3 (Provisioned iops ssd type of ebs volume (gp3).)</li> <li>* st1 (Throughput optimized hdd type of ebs volume.)</li> <li>* sc1 (Cold_hdd type of ebs volume.)</li> </ul>	enum (standard, io1, io2, gp2, gp3, st1, sc1)

### 6.52.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_instances_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer

Name	Description	Schema
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_instances_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string

Name	Description	Schema
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_instances_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_instances\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.52.4. Consumes**

- `application/json`

**6.52.5. Produces**

- `application/json`

## 6.53. Recover instance from S3

POST /api/aws/backups/{backup\_id}/snapshots/instances/{snapshot\_record\_id}/recover\_from\_s3/

### 6.53.1. 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:* 1.5.0

### 6.53.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_instances_recover_from_s3_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_instances_recover_from_s3_create</a>

**data\_aws\_backups\_snapshots\_instances\_recover\_from\_s3\_create**

Name	Description	Schema
<b>additional_nics</b> <i>optional</i>	AWS additional nics for instance.	< string > array

Name	Description	Schema
<b>ami_handling</b> <i>optional</i>	What to do with the registered new image If this instance is launched from a snapshot(S).  <b>Allowed Enum Values</b> * D (De-register after Recovery.) * L (Leave Registered after Recovery.) * O (Create_ami without Recovery.)	enum (D, L, O)
<b>architecture</b> <i>optional</i>	You can choose between i386 which is x86 - 32 bits and x86-64 bits.  <b>Allowed Enum Values</b> * 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)
<b>auto_assign_public_ip</b> <i>optional</i>	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.  <b>Allowed Enum Values</b> * 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)
<b>cpu_options</b> <i>optional</i>	The CPU options for the instance.	<a href="#">data_aws_backups_snapshots_instances_recover_from_s3_create_cpu_options</a>
<b>credentials</b> <i>optional</i>		<a href="#">data_aws_backups_snapshots_instances_recover_from_s3_create_credentials</a>
<b>disable_api_termination</b> <i>optional</i>	States whether terminating the new instance by API is enabled or not. The default value will be as the backed-up instance.	boolean
<b>ebs_optimized</b> <i>optional</i>	Is True to launch an EBS Optimized instance. The default will be the value from the backed-up instance.	boolean



Name	Description	Schema
<b>ena_support</b> <i>optional</i>	ENA option for this instance.	boolean
<b>enable_user_data</b> <i>optional</i>	States whether to use user data for this instance launch. If True, User Data becomes relevant.	boolean
<b>encryption_key</b> <i>optional</i>	Encryption key for target region of volume.	string
<b>ephemeral_devices</b> <i>optional</i>	List of ephemeral drives to add to the new instance. The number of ephemeral storage devices you can use depend on the instance type.	< <a href="#">data_aws_backups_snapshots_instances_recover_from_s3_create_ephemeral_devices</a> > array
<b>from_account</b> <i>optional</i>	Recover instance from this account.	integer
<b>image_id</b> <i>optional</i>	This is only relevant if Launch From is set to image, or if you are recovering a Windows instance.	string
<b>instance_profile_arn</b> <i>optional</i>	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

Name	Description	Schema
<p><b>instance_type</b> <i>optional</i></p>	<p>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 or placement method, the recovery operation will fail.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* t1.micro (t1.micro)</li> <li>* t2.nano (t2.nano)</li> <li>* t2.micro (t2.micro)</li> <li>* t2.small (t2.small)</li> <li>* t2.medium (t2.medium)</li> <li>* t2.large (t2.large)</li> <li>* t2.xlarge (t2.xlarge)</li> <li>* t2.2xlarge (t2.2xlarge)</li> <li>* t3.nano (t3.nano)</li> <li>* t3.micro (t3.micro)</li> <li>* t3.small (t3.small)</li> <li>* t3.medium (t3.medium)</li> <li>* t3.large (t3.large)</li> <li>* t3.xlarge (t3.xlarge)</li> <li>* t3.2xlarge (t3.2xlarge)</li> <li>* t3a.nano (t3a.nano)</li> <li>* t3a.micro (t3a.micro)</li> <li>* t3a.small (t3a.small)</li> <li>* t3a.medium (t3a.medium)</li> <li>* t3a.large (t3a.large)</li> <li>* t3a.xlarge (t3a.xlarge)</li> <li>* t3a.2xlarge (t3a.2xlarge)</li> <li>* t4g.nano (t4g.nano)</li> <li>* t4g.micro (t4g.micro)</li> <li>* t4g.small (t4g.small)</li> <li>* t4g.medium (t4g.medium)</li> <li>* t4g.large (t4g.large)</li> <li>* t4g.xlarge (t4g.xlarge)</li> <li>* t4g.2xlarge (t4g.2xlarge)</li> <li>* m4.large (m4.large)</li> <li>* m4.xlarge (m4.xlarge)</li> <li>* m4.2xlarge (m4.2xlarge)</li> <li>* m4.4xlarge (m4.4xlarge)</li> <li>* m4.10xlarge (m4.10xlarge)</li> <li>* m4.16xlarge (m4.16xlarge)</li> <li>* m5.large (m5.large)</li> <li>* m5.xlarge (m5.xlarge)</li> <li>* m5.2xlarge (m5.2xlarge)</li> <li>* m5.4xlarge (m5.4xlarge)</li> <li>* m5.8xlarge (m5.8xlarge)</li> <li>* m5.12xlarge (m5.12xlarge)</li> <li>* m5.16xlarge (m5.16xlarge)</li> </ul>	<p>enum (t1.micro, t2.nano, t2.micro, t2.small, t2.medium, t2.large, t2.xlarge, t2.2xlarge, t3.nano, t3.micro, t3.small, t3.medium, t3.large, t3.xlarge, t3.2xlarge, t3a.nano, t3a.micro, t3a.small, t3a.medium, t3a.large, t3a.xlarge, t3a.2xlarge, t4g.nano, t4g.micro, t4g.small, t4g.medium, t4g.large, t4g.xlarge, t4g.2xlarge, m4.large, m4.xlarge, m4.2xlarge, m4.4xlarge, m4.10xlarge, m4.16xlarge, m5.large, m5.xlarge, m5.2xlarge, m5.4xlarge, m5.8xlarge, m5.12xlarge, m5.16xlarge, m5.24xlarge, m5.metal, m5a.large, m5a.xlarge, m5a.2xlarge, m5a.4xlarge, m5a.8xlarge,</p>

Name	Description	Schema
<b>instance_volumes</b> <i>optional</i>	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
<b>kernel_id</b> <i>optional</i>	Will hold the kernel id of the backed-up instance.	string
<b>key_pair</b> <i>optional</i>	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
<b>monitored</b> <i>optional</i>	Is True if monitoring should be allowed for the new instance. The default will be the value in the backed-up instance.	boolean
<b>num_instances_to_recover</b> <i>optional</i>	How many instances to launch from the image. The default is one.	integer
<b>placement</b> <i>optional</i>	The placement of the instance. By default, it will be the same placement as the backed-up instance.  <b>Allowed Enum Values</b> * Z (Availability zone placement for the instance.) * V (Vpc placement for the instance.) * G (Group placement for the instance.)	enum (Z, V, G)
<b>placement_group</b> <i>optional</i>	This option is only relevant if you chose By Placement Group in Placement.	string
<b>preserve_tags</b> <i>optional</i>	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
<b>ram_disk_id</b> <i>optional</i>	Will hold the RAM Disk id of the backed-up instance.	string
<b>restore_from</b> <i>optional</i>	Launch the boot device (image) from a snapshot(S) or use an existing image(I).For windows images we support only image based instances.  <b>Allowed Enum Values</b> * S (Restore instance from snapshot.) * I (Restore instance from image.) * C (Restore instance from image and replace root volume.)	enum (S, I, C)

Name	Description	Schema
<b>retrieve_options</b> <i>optional</i>	Retrieval parameters to use if retrieval of data from Glacier to S3 is required.	<a href="#">data_aws_backups_snapshots_instances_recover_from_s3_create_retrieve_options</a>
<b>security_groups</b> <i>optional</i>	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
<b>shutdown_behaviour</b> <i>optional</i>	By default it will have the value of the original instance. If the recovered instance is instance-store-based, this option is not used  <b>Allowed Enum Values</b> * stop (Behaviour on shutdown - stop.) * terminate (Behaviour on shutdown - terminate.)	enum (stop, terminate)
<b>tenancy</b> <i>optional</i>	Tenancy option for this instance.  <b>Allowed Enum Values</b> * default (Instance tenancy shared.) * dedicated (Instance tenancy dedicated.) * host (Instance tenancy host.)	enum (default, dedicated, host)
<b>to_account</b> <i>optional</i>	Recover instance to this account.	integer
<b>to_region</b> <i>optional</i>	Target region for the instance recover.	integer
<b>use_default_volume_encryption_keys</b> <i>optional</i>		boolean
<b>user_data</b> <i>optional</i>	The text of the user data. Special encoding or using a file as the source is not currently supported from within N2WS.	string
<b>vpc</b> <i>optional</i>	This option is only relevant if you chose By VPC Subnet in Placement.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
<b>vpc_assign_ip</b> <i>optional</i>	This option is only relevant if you choose By VPC Subnet in Placement.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
<b>vpc_subnet_id</b> <i>optional</i>	This option is only relevant if you chose By VPC Subnet in Placement.This will hold all the subnets in the currently selected VPC.	< string > array
<b>worker_configuration</b> <i>optional</i>	If set, the supplied worker configuration will be used. Otherwise, the worker configuration will be build.	<a href="#">data_aws_backups_snapshots_instances_recover_from_s3_create_worker_configuration</a>
<b>zone</b> <i>optional</i>	Only relevany if you chose By Availability Zone in Placement.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
<b>core_count</b> <i>optional</i>	The number of CPU cores for the instance.	integer
<b>threads_per_core</b> <i>optional</i>	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
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**data\_aws\_backups\_snapshots\_instances\_recover\_from\_s3\_create\_ephemeral\_devices**

Name	Description	Schema
<b>device</b> <i>optional</i>	Device of ephemeral device.	string
<b>epehemeral</b> <i>optional</i>	ephemeral of ephemeral device.	string

**data\_aws\_backups\_snapshots\_instances\_recover\_from\_s3\_create\_instance\_volumes**

Name	Description	Schema
<b>capacity</b> <i>optional</i>	Capacity of a volume.	integer
<b>delete_on_termination</b> <i>optional</i>	Specify whether to delete volume on termination.	boolean
<b>device</b> <i>optional</i>	Which device it will be attached as. This is only used if you choose to automatically attach the recovered volume to an instance.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>preserve_tags</b> <i>optional</i>	Whether to associate the same tags (like the volume's name) to the recovered volume. Default is true.	boolean
<b>throughput</b> <i>optional</i>		integer
<b>volume_id</b> <i>optional</i>	Volume ID to do recover for, if root is not specified it will be automatically added.	string
<b>volume_type</b> <i>optional</i>	Type of the EBS volume.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* standard (Magnetic type of ebs volume.)</li> <li>* io1 (Magnetic type of ebs volume.)</li> <li>* io2 (Magnetic type of ebs volume.)</li> <li>* gp2 (Provisioned iops ssd type of ebs volume (gp2).)</li> <li>* gp3 (Provisioned iops ssd type of ebs volume (gp3).)</li> <li>* st1 (Throughput optimized hdd type of ebs volume.)</li> <li>* sc1 (Cold_hdd type of ebs volume.)</li> </ul>	enum (standard, io1, io2, gp2, gp3, st1, sc1)

**data\_aws\_backups\_snapshots\_instances\_recover\_from\_s3\_create\_retrieve\_options**

Name	Description	Schema
<b>days_to_keep</b> <i>optional</i>		integer

Name	Description	Schema
<b>retrieval_tier</b> <i>required</i>	<b>Allowed Enum Values</b> * E (Expedited) * S (Standard) * B (Bulk)	enum (E, S, B)

**data\_aws\_backups\_snapshots\_instances\_recover\_from\_s3\_create\_worker\_configuration**

Name	Description	Schema
<b>aws_key_pair</b> <i>optional</i>	Key pair of worker configuration.	string
<b>aws_security_group</b> <i>required</i>	Security group of worker configuration.	string
<b>aws_subnet</b> <i>required</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <i>Any</i> .	string
<b>aws_vpc</b> <i>required</i>	VPC of worker configuration.	string
<b>http_proxy_address</b> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string
<b>http_proxy_password_encrypted</b> <i>optional</i>	Proxy password if network access via http proxy on worker configuration.	string
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean

**6.53.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_instances_recover_from_s3_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_instances_recover_from_s3_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string



Name	Description	Schema
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_instances_recover_from_s3_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_instances\_recover\_from\_s3\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.53.4. Consumes**

- `application/json`

**6.53.5. Produces**

- `application/json`

## 6.54. Recover Sap Hana DB from backup

POST

/api/aws/backups/{backup\_id}/snapshots/instances/{snapshot\_record\_id}/recover\_sap\_hana\_dbs/

### 6.54.1. 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

### 6.54.2. Parameters

Type	Name	Schema
Path	<code>backup_id</code> <i>required</i>	string
Path	<code>snapshot_record_id</code> <i>required</i>	string
Body	<code>data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create</code> <i>required</i>	<code>data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create</code>

`data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create`

Name	Description	Schema
<b>credentials</b> <i>optional</i>		<a href="#">data_aws_backups_snapshots_instances_recover_sap_hana_dbs_create_credentials</a>
<b>db_snapshots</b> <i>required</i>	Sap Hana DB snapshot ids used for recovery.	< integer > array
<b>from_account</b> <i>optional</i>	Recover Sap Hana DB instance from this account.	integer
<b>instance_recovery_record</b> <i>optional</i>	Instance recovery record, which recovers the instance to run the Sap Hana DB recovery on.	integer
<b>to_account</b> <i>optional</i>	Restore Sap Hana DB instance to this account.	integer
<b>to_region</b> <i>optional</i>	Target region for the Sap Hana DB recovery instance.	integer

**data\_aws\_backups\_snapshots\_instances\_recover\_sap\_hana\_dbs\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**6.54.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_instances_recover_sap_hana_dbs_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer

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

Name	Description	Schema
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_instances_recover_sap_hana_dbs_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_instances\_recover\_sap\_hana\_dbs\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.54.4. Consumes**

- `application/json`

**6.54.5. Produces**

- `application/json`

## 6.55. Recover Sap Hana DB from backup

POST  
 /api/aws/backups/{backup\_id}/snapshots/instances/{snapshot\_record\_id}/recoveries/{recovery\_id}/recover\_sap\_hana\_dbs/

### 6.55.1. 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/](/api/aws/backups/{backup_id}/snapshots/instances/{snapshot_id}/sap_hana_dbs/)

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

### 6.55.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>recovery_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create</a>

**data\_aws\_backups\_snapshots\_instances\_recoveries\_recover\_sap\_hana\_dbs\_create**



Name	Description	Schema
<b>credentials</b> <i>optional</i>		<a href="#">data_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create_credentials</a>
<b>db_snapshots</b> <i>required</i>	Sap Hana DB snapshot ids used for recovery.	< integer > array
<b>from_account</b> <i>optional</i>	Recover Sap Hana DB instance from this account.	integer
<b>instance_recovery_record</b> <i>optional</i>	Instance recovery record, which recovers the instance to run the Sap Hana DB recovery on.	integer
<b>to_account</b> <i>optional</i>	Restore Sap Hana DB instance to this account.	integer
<b>to_region</b> <i>optional</i>	Target region for the Sap Hana DB recovery instance.	integer

**data\_aws\_backups\_snapshots\_instances\_recoveries\_recover\_sap\_hana\_dbs\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**6.55.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer

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

Name	Description	Schema
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_instances_recoveries_recover_sap_hana_dbs_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_instances\_recoveries\_recover\_sap\_hana\_dbs\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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 the AMIs Only snapshots of a backup record

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

### 6.56.1. 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

### 6.56.2. Parameters

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

### 6.56.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_only_amis_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_backups\_snapshots\_only\_amis\_list**

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Account Name	string
<b>aws_image_id</b> <i>optional</i>	Initial AMI ID.	string
<b>backed_up_resource_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>region</b> <i>optional</i>	Snapshot's DR region.	string
<b>snapshot_type</b> <i>optional</i>	Snapshot type.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, 'false' otherwise.	boolean

#### 6.56.4. Produces

- `application/json`

## 6.57. Retrieve an AMIs Only snapshot of a backup record

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

### 6.57.1. 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

### 6.57.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.57.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_only_amis_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_only\_amis\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Account Name	string

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

#### 6.57.4. Produces

- `application/json`



## 6.58. Delete an AMIs Only snapshot of a backup record

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

### 6.58.1. 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

### 6.58.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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. List the DR AMIs Only snapshots of a backup record

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

### 6.59.1. 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

### 6.59.2. Parameters

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

### 6.59.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_only_dr_amis_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_backups\_snapshots\_only\_dr\_amis\_list**

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

#### 6.59.4. Produces

- `application/json`

## 6.60. Retrieve an DR AMIs Only snapshot of a backup record

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

### 6.60.1. 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

### 6.60.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.60.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_only_dr_amis_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_only\_dr\_amis\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Account Name	string

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

#### 6.60.4. Produces

- `application/json`

## 6.61. Delete a DR AMIs Only snapshot of a backup record

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

### 6.61.1. 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

### 6.61.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.61.3. Responses

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

## 6.62. List the RDS cluster snapshots of a backup record

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

### 6.62.1. 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

### 6.62.2. Parameters

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

Type	Name	Description	Schema
Query	<b>resource</b> <i>optional</i>	A full or partial resource ID to search by.	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.62.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_rds_clusters_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_rds\_clusters\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>cluster_id</b> <i>optional</i>	AWS cluster ID.	string
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>edition</b> <i>optional</i>	The DB edition of the DB cluster.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string



Name	Description	Schema
<b>engine</b> <i>optional</i>		string
<b>engine_mode</b> <i>optional</i>	The DB engine mode of the DB cluster.	string
<b>engine_version</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>parameter_group</b> <i>optional</i>	RDS DB Parameter group.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>port</b> <i>optional</i>	Port number on which the database accepts connections.	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>security_groups</b> <i>optional</i>	RDS Security groups list .	< string > array
<b>serverless_auto_pause</b> <i>optional</i>	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
<b>serverless_max_capacity</b> <i>optional</i>	The maximum capacity for an Aurora DB cluster in serverless DB engine mode.	integer
<b>serverless_min_capacity</b> <i>optional</i>	The minimum capacity for an Aurora DB cluster in serverless DB engine mode.	integer
<b>serverless_seconds_until_auto_pause</b> <i>optional</i>	The time, in seconds, before an Aurora DB cluster in serverless mode is paused.	integer
<b>serverless_timeout_action</b> <i>optional</i>	The action to take when the timeout is reached, either ForceApplyCapacityChange or RollbackCapacityChange.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string

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

#### 6.62.4. Produces

- `application/json`

## 6.63. Retrieve a RDS cluster snapshot of a backup record

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

### 6.63.1. 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

### 6.63.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.63.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_rds_clusters_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_rds\_clusters\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>cluster_id</b> <i>optional</i>	AWS cluster ID.	string
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>edition</b> <i>optional</i>	The DB edition of the DB cluster.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>engine</b> <i>optional</i>		string
<b>engine_mode</b> <i>optional</i>	The DB engine mode of the DB cluster.	string
<b>engine_version</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>parameter_group</b> <i>optional</i>	RDS DB Parameter group.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>port</b> <i>optional</i>	Port number on which the database accepts connections.	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean

Name	Description	Schema
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>security_groups</b> <i>optional</i>	RDS Security groups list .	< string > array
<b>serverless_auto_pause</b> <i>optional</i>	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
<b>serverless_max_capacity</b> <i>optional</i>	The maximum capacity for an Aurora DB cluster in serverless DB engine mode.	integer
<b>serverless_min_capacity</b> <i>optional</i>	The minimum capacity for an Aurora DB cluster in serverless DB engine mode.	integer
<b>serverless_seconds_until_auto_p ause</b> <i>optional</i>	The time, in seconds, before an Aurora DB cluster in serverless mode is paused.	integer
<b>serverless_timeout_action</b> <i>optional</i>	The action to take when the timeout is reached, either ForceApplyCapacityChange or RollbackCapacityChange.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>		string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>subnet_group_name</b> <i>optional</i>	Name of AWS subnet group.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>vpc</b> <i>optional</i>	ID of VPC.	string

Name	Description	Schema
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 6.63.4. Produces

- `application/json`

## 6.64. Delete a RDS cluster snapshot of a backup record

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

### 6.64.1. 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

### 6.64.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.64.3. Responses

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

## 6.65. Recover RDS cluster from backup

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

### 6.65.1. 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

### 6.65.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_rds_clusters_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_rds_clusters_recover_create</a>

#### data\_aws\_backups\_snapshots\_rds\_clusters\_recover\_create

Name	Description	Schema
<b>aws_dbinstance_id</b> <i>optional</i>	New unique identifier of the restored RDS DB instance resource.	string
<b>aws_resource_id</b> <i>required</i>	New unique identifier of the restored resource.	string



Name	Description	Schema
<b>credentials</b> <i>optional</i>	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	<a href="#">data_aws_backups_snapshots_rds_clusters_recover_create_credentials</a>
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>db_parameter_group</b> <i>optional</i>	Parameter group to configure the recovered RDS DB of RDS cluster, default as the original RDS.	string
<b>engine_mode</b> <i>optional</i>	The DB engine mode of the DB cluster.	string
<b>instance_type</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>parameter_group</b> <i>optional</i>	Parameter group to configure the recovered RDS cluster, default as the original RDS.	string
<b>security_groups</b> <i>optional</i>	Security groups to configure the recovered RDS, default as the original RDS.	< string > array
<b>serverless_auto_pause</b> <i>optional</i>	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
<b>serverless_max_capacity</b> <i>optional</i>	The maximum capacity for an Aurora DB cluster in serverless DB engine mode.  <b>Allowed Enum Values</b> * 1 (2GB RAM) * 2 (4GB RAM) * 4 (8GB RAM) * 8 (16GB RAM) * 16 (32GB RAM) * 32 (64GB RAM) * 64 (122GB RAM) * 128 (244GB RAM) * 256 (488GB RAM)	enum (1, 2, 4, 8, 16, 32, 64, 128, 256)

Name	Description	Schema
<b>serverless_min_capacity</b> <i>optional</i>	The minimum capacity for an Aurora DB cluster in serverless DB engine mode.  <b>Allowed Enum Values</b> * 1 (2GB RAM) * 2 (4GB RAM) * 4 (8GB RAM) * 8 (16GB RAM) * 16 (32GB RAM) * 32 (64GB RAM) * 64 (122GB RAM) * 128 (244GB RAM) * 256 (488GB RAM)	enum (1, 2, 4, 8, 16, 32, 64, 128, 256)
<b>serverless_seconds_until_auto_pause</b> <i>optional</i>	The time, in seconds, before an Aurora DB cluster in serverless mode is paused.	integer
<b>serverless_timeout_action</b> <i>optional</i>	The action to take when the timeout is reached, either ForceApplyCapacityChange or RollbackCapacityChange.  <b>Allowed Enum Values</b> * 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)
<b>subnet_group_name</b> <i>optional</i>	Name of the subnet group where the resource will be restored.	string
<b>to_account</b> <i>optional</i>	Restore to account.	string
<b>vpc</b> <i>optional</i>	ID of VPC.	string
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**data\_aws\_backups\_snapshots\_rds\_clusters\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

### 6.65.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_rds_clusters_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_rds_clusters_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer

Name	Description	Schema
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_rds_clusters_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

Name	Description	Schema
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_rds\_clusters\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.65.4. Consumes**

- [application/json](#)



## 6.65.5. Produces

- `application/json`

## 6.66. List the RDS snapshots of a backup record

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

### 6.66.1. 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

### 6.66.2. Parameters

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

Type	Name	Description	Schema
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.66.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_rds_databases_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_rds\_databases\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>engine</b> <i>optional</i>		string
<b>engine_version</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer



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

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>vpc</b> <i>optional</i>	ID of VPC.	string
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 6.66.4. Produces

- `application/json`

## 6.67. Retrieve a RDS snapshot of a backup record

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

### 6.67.1. 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

### 6.67.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.67.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_rds_databases_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_rds\_databases\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

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

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

#### 6.67.4. Produces

- `application/json`

## 6.68. Delete a RDS snapshot of a backup record

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

### 6.68.1. 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

### 6.68.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.68.3. Responses

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

## 6.69. Recover RDS databases from backup

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

### 6.69.1. 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

### 6.69.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_rds_databases_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_rds_databases_recover_create</a>

#### data\_aws\_backups\_snapshots\_rds\_databases\_recover\_create

Name	Description	Schema
<b>aws_resource_id</b> <i>required</i>	New unique identifier of the restored resource.	string
<b>credentials</b> <i>optional</i>	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	<a href="#">data_aws_backups_snapshots_rds_databases_recover_create_credentials</a>

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

**data\_aws\_backups\_snapshots\_rds\_databases\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string



### 6.69.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_rds_databases_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_rds_databases_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer

Name	Description	Schema
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_rds_databases_recover_create_s3_recover_statuses</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* P (In Progress)</li> <li>* R (Recovery Successful)</li> <li>* A (Recovery Partially Successful)</li> <li>* F (Recovery Failed)</li> </ul>	enum (P, R, A, F)

Name	Description	Schema
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_rds\_databases\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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. List the Redshift cluster snapshots of a backup record

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

### 6.70.1. 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

### 6.70.2. Parameters

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

Type	Name	Description	Schema
Query	<b>resource</b> <i>optional</i>	A full or partial resource ID to search by.	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.70.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_redshift_clusters_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### **response\_aws\_backups\_snapshots\_redshift\_clusters\_list**

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account’s AWS account number.	string
<b>aws_node_type</b> <i>optional</i>	Type of node.	string
<b>aws_nodes</b> <i>optional</i>	Number of nodes on cluster.	integer
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource’s AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource’s name.	string
<b>backup_id</b> <i>optional</i>	Backup’s ID.	string
<b>cluster_id</b> <i>optional</i>	AWS cluster ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot’s deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot’s end time.	string

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>port</b> <i>optional</i>	Cluster port.	integer
<b>publicly_accessible</b> <i>optional</i>	Is cluster is publicly accessible.	boolean
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>subnet_group_name</b> <i>optional</i>	Redshift cluster subnet group name.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>zone</b> <i>optional</i>	Redshift cluster zone.	string

#### 6.70.4. Produces

- `application/json`

## 6.71. Retrieve a Redshift cluster snapshot of a backup record

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

### 6.71.1. 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

### 6.71.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.71.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_redshift_clusters_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_redshift\_clusters\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer



<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>aws_node_type</b> <i>optional</i>	Type of node.	string
<b>aws_nodes</b> <i>optional</i>	Number of nodes on cluster.	integer
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>cluster_id</b> <i>optional</i>	AWS cluster ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>port</b> <i>optional</i>	Cluster port.	integer
<b>publicly_accessible</b> <i>optional</i>	Is cluster is publicly accessible.	boolean
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string

Name	Description	Schema
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>subnet_group_name</b> <i>optional</i>	Redshift cluster subnet group name.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>zone</b> <i>optional</i>	Redshift cluster zone.	string

#### 6.71.4. Produces

- `application/json`

## 6.72. Delete a Redshift cluster snapshot of a backup record

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

### 6.72.1. 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

### 6.72.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.72.3. Responses

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

## 6.73. Recover Redshift cluster from backup

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

### 6.73.1. 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

### 6.73.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_redshift_clusters_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_redshift_clusters_recover_create</a>

#### data\_aws\_backups\_snapshots\_redshift\_clusters\_recover\_create

Name	Description	Schema
<b>aws_resource_id</b> <i>required</i>	New unique identifier of the restored resource.	string
<b>credentials</b> <i>optional</i>	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	<a href="#">data_aws_backups_snapshots_redshift_clusters_recover_create_credentials</a>

Name	Description	Schema
<b>port</b> <i>optional</i>	Port number on which the database accepts connections.	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>subnet_group_name</b> <i>optional</i>	Name of the subnet group where the resource will be restored.	string
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**data\_aws\_backups\_snapshots\_redshift\_clusters\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**6.73.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_redshift_clusters_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery’s source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery’s source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string

Name	Description	Schema
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_redshift_clusters_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string

Name	Description	Schema
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_redshift_clusters_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* P (In Progress)</li> <li>* R (Recovery Successful)</li> <li>* A (Recovery Partially Successful)</li> <li>* F (Recovery Failed)</li> </ul>	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_redshift\_clusters\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.73.4. Consumes**

- `application/json`

**6.73.5. Produces**

- `application/json`



## 6.74. List the S3 copies of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/s3_rds_databases/
```

### 6.74.1. 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:* 2.1.0
- *Last Modified Version:* 2.1.0

### 6.74.2. Parameters

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

### 6.74.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_s3_rds_databases_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_s3\_rds\_databases\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>archive_status</b> <i>optional</i>	Status of snapshot's Archive operation, if performed.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>engine</b> <i>optional</i>		string
<b>engine_version</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>multi_az</b> <i>optional</i>	Whether to launch the resource in a multi-AZ configuration or not.	boolean
<b>parameter_group</b> <i>optional</i>		string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>port</b> <i>optional</i>	Port number on which the database accepts connections.	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>repository_id</b> <i>optional</i>	Repository ID where S3 snapshot is stored.	string
<b>retrieve_expiration</b> <i>optional</i>	If archived snapshot was retrieved backup to S3 in order to restore, this is the retrieved data's expiration date.	string
<b>retrieve_status</b> <i>optional</i>	Status of archived snapshot's Retrieve operation, if performed.	string
<b>security_groups</b> <i>optional</i>		< string > array
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	integer
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>		string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string

Name	Description	Schema
<b>status</b> <i>optional</i>	Backup status.  <b>Allowed Enum Values</b> * U (In progress) * S (Success) * F (Failed) * X (Expired) * D (Deleted)	enum (U, S, F, X, D)
<b>storage_type</b> <i>optional</i>	Storage type.	string
<b>subnet_group_name</b> <i>optional</i>	Name of AWS subnet group.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>tier</b> <i>optional</i>	Current snapshot life-cycle tier.  <b>Allowed Enum Values</b> * S (S3) * A (Archived)	enum (S, A)
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>vpc</b> <i>optional</i>	ID of VPC.	string
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 6.74.4. Produces

- `application/json`

## 6.75. Retrieve a S3 copy of a backup record

```
GET /api/aws/backups/{backup_id}/snapshots/s3_rds_databases/{id}/
```

### 6.75.1. 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:* 2.1.0
- *Last Modified Version:* 2.1.0

### 6.75.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.75.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_s3_rds_databases_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_s3\_rds\_databases\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>archive_status</b> <i>optional</i>	Status of snapshot's Archive operation, if performed.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>engine</b> <i>optional</i>		string
<b>engine_version</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>multi_az</b> <i>optional</i>	Whether to launch the resource in a multi-AZ configuration or not.	boolean
<b>parameter_group</b> <i>optional</i>		string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>port</b> <i>optional</i>	Port number on which the database accepts connections.	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean

Name	Description	Schema
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>repository_id</b> <i>optional</i>	Repository ID where S3 snapshot is stored.	string
<b>retrieve_expiration</b> <i>optional</i>	If archived snapshot was retrieved backup to S3 in order to restore, this is the retrieved data's expiration date.	string
<b>retrieve_status</b> <i>optional</i>	Status of archived snapshot's Retrieve operation, if performed.	string
<b>security_groups</b> <i>optional</i>		< string > array
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	integer
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>		string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.  <b>Allowed Enum Values</b> * U (In progress) * S (Success) * F (Failed) * X (Expired) * D (Deleted)	enum (U, S, F, X, D)
<b>storage_type</b> <i>optional</i>	Storage type.	string
<b>subnet_group_name</b> <i>optional</i>	Name of AWS subnet group.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean

Name	Description	Schema
<b>tier</b> <i>optional</i>	Current snapshot life-cycle tier.  <b>Allowed Enum Values</b> * S (S3) * A (Archived)	enum (S, A)
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>vpc</b> <i>optional</i>	ID of VPC.	string
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 6.75.4. Produces

- `application/json`



## 6.76. Recover RDS database from a snapshot stored in S3

```
POST /api/aws/backups/{backup_id}/snapshots/s3_rds_databases/{snapshot_record_id}/recover/
```

### 6.76.1. 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:* 2.1.0

### 6.76.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_s3_rds_databases_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_s3_rds_database_s_recover_create</a>

#### data\_aws\_backups\_snapshots\_s3\_rds\_databases\_recover\_create

Name	Description	Schema
<b>aws_resource_id</b> <i>required</i>	New unique identifier of the restored resource.	string
<b>credentials</b> <i>optional</i>	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	<a href="#">data_aws_backups_snapshots_s3_rds_databases_recover_create_credentials</a>

Name	Description	Schema
<b>db_instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>db_user_password</b> <i>required</i>	Password for the admin user of the recovered DB instance	string
<b>db_username</b> <i>required</i>	Admin user for the recovered DB instance	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>multi_az</b> <i>optional</i>	Whether to launch the resource in a multi-AZ configuration or not.	boolean
<b>parameter_group</b> <i>optional</i>		string
<b>port</b> <i>optional</i>	Port number on which the database accepts connections.	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>retrieve_options</b> <i>optional</i>		<a href="#">data_aws_backups_snapshots_s3_rds_databases_recover_create_retrieve_options</a>
<b>security_groups</b> <i>optional</i>	Security groups to configure the recovered RDS, default as the original RDS.	< string > array
<b>storage_type</b> <i>optional</i>	Storage type. If type is not 'io1' or 'io2' or 'gp3', iops = 0  <b>Allowed Enum Values</b> * standard (Magnetic) * io1 (Provisioned IOPS SSD (io1)) * io2 (Provisioned IOPS SSD (io2)) * gp2 (General Purpose SSD (gp2))	enum (standard, io1, io2, gp2)
<b>subnet_group_name</b> <i>optional</i>	Name of the subnet group where the resource will be restored.	string
<b>to_account</b> <i>optional</i>	Restore to account.	string
<b>to_region</b> <i>optional</i>	Target region for the recovered DB instance	integer
<b>vpc</b> <i>optional</i>	ID of VPC.	string

Name	Description	Schema
<b>worker_configuration</b> <i>optional</i>	Configuration parameters for the worker performing the recovery	<a href="#">data_aws_backups_snapshots_s3_rds_databases_recover_create_worker_configuration</a>
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**data\_aws\_backups\_snapshots\_s3\_rds\_databases\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**data\_aws\_backups\_snapshots\_s3\_rds\_databases\_recover\_create\_retrieve\_options**

Name	Description	Schema
<b>days_to_keep</b> <i>optional</i>		integer
<b>retrieval_tier</b> <i>required</i>	<b>Allowed Enum Values</b> * E (Expedited) * S (Standard) * B (Bulk)	enum (E, S, B)

**data\_aws\_backups\_snapshots\_s3\_rds\_databases\_recover\_create\_worker\_configuration**

Name	Description	Schema
<b>aws_key_pair</b> <i>optional</i>	Key pair of worker configuration.	string
<b>aws_security_group</b> <i>required</i>	Security group of worker configuration.	string
<b>aws_subnet</b> <i>required</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <i>Any</i> .	string
<b>aws_vpc</b> <i>required</i>	VPC of worker configuration.	string
<b>http_proxy_address</b> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string
<b>http_proxy_password_encrypted</b> <i>optional</i>	Proxy password if network access via http proxy on worker configuration.	string

Name	Description	Schema
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean

### 6.76.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_s3_rds_databases_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_s3_rds_databases_recover_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS Cluster) * C (Redshift Cluster) * D (DynamoDB Table) * E (EFS) * F (FSx) * O (FSx Volume) * S (Sap Hana DB)	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_s3_rds_databases_recover_create_s3_recover_status</a>

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

**response\_aws\_backups\_snapshots\_s3\_rds\_databases\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

#### 6.76.4. Consumes

- `application/json`

#### 6.76.5. Produces

- `application/json`

## 6.77. List the Sap Hana DB snapshots of a backup record

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

### 6.77.1. 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

### 6.77.2. Parameters

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



Type	Name	Description	Schema
Query	<b>region</b> <i>optional</i>	Snapshot's region ID.	number
Query	<b>resource</b> <i>optional</i>	None	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.77.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_sap_hana_dbs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_sap\_hana\_dbs\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>database_name</b> <i>optional</i>	Snapshot database name.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>instance_backup_record_id</b> <i>optional</i>		string
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_path</b> <i>optional</i>	Snapshot path in S3 Bucket.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string

#### 6.77.4. Produces

- `application/json`

## 6.78. Retrieve a Sap Hana DB snapshot of a backup record

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

### 6.78.1. 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

### 6.78.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.78.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_sap_hana_dbs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_sap\_hana\_dbs\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>database_name</b> <i>optional</i>	Snapshot database name.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_backup_record_id</b> <i>optional</i>		string
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_path</b> <i>optional</i>	Snapshot path in S3 Bucket.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string

Name	Description	Schema
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string

#### 6.78.4. Produces

- `application/json`

## 6.79. Delete a Sap Hana DB snapshot of a backup record

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

### 6.79.1. 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

### 6.79.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.79.3. Responses

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

## 6.80. List the volume snapshots of a backup record

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

### 6.80.1. 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:* 1.7.0

### 6.80.2. Parameters

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

Type	Name	Description	Schema
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 6.80.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_snapshots_volumes_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_snapshots\_volumes\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>capacity</b> <i>optional</i>	Capacity of the volume (Gib).	integer
<b>cbt_changed_size_mb</b> <i>optional</i>		integer
<b>cbt_valid_size_mb</b> <i>optional</i>		integer
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>device</b> <i>optional</i>	Device of volume.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean



<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>import_s3</b> <i>optional</i>	Snapshot was not generated by N2WS and was imported to s3.	boolean
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	integer
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>throughput</b> <i>optional</i>	The throughput that the volume can support.	integer
<b>type</b> <i>optional</i>	Volume type.	string
<b>username</b> <i>optional</i>	Associated user's username.	string

Name	Description	Schema
<b>zone</b> <i>optional</i>	Volume zone.	string

#### 6.80.4. Produces

- `application/json`

## 6.81. Retrieve a volume snapshot of a backup record

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

### 6.81.1. 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:* 1.7.0

### 6.81.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.81.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_snapshots_volumes_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_snapshots\_volumes\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>capacity</b> <i>optional</i>	Capacity of the volume (Gib).	integer
<b>cbt_changed_size_mb</b> <i>optional</i>		integer
<b>cbt_valid_size_mb</b> <i>optional</i>		integer
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>device</b> <i>optional</i>	Device of volume.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>import_s3</b> <i>optional</i>	Snapshot was not generated by N2WS and was imported to s3.	boolean
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	integer

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

#### 6.81.4. Produces

- `application/json`

## 6.82. Delete a volume snapshot of a backup record

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

### 6.82.1. 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

### 6.82.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 6.82.3. Responses

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

## 6.83. Recover volume from backup

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

### 6.83.1. 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

### 6.83.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_volumes_recover_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_volumes_recover_create</a>

#### data\_aws\_backups\_snapshots\_volumes\_recover\_create

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

**data\_aws\_backups\_snapshots\_volumes\_recover\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**6.83.3. Responses**

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_volumes_recover_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content



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

**response\_aws\_backups\_snapshots\_volumes\_recover\_create**

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

Name	Description	Schema
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_volumes_recover_create_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* P (In Progress)</li> <li>* R (Recovery Successful)</li> <li>* A (Recovery Partially Successful)</li> <li>* F (Recovery Failed)</li> </ul>	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_backups\_snapshots\_volumes\_recover\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.83.4. Consumes**

- `application/json`

**6.83.5. Produces**

- `application/json`

## 6.84. Recover s3 volume from backup

```
POST /api/aws/backups/{backup_id}/snapshots/volumes/{snapshot_record_id}/recover_from_s3/
```

### 6.84.1. 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 group in 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:* 1.4.0

### 6.84.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_aws_backups_snapshots_volumes_recover_from_s3_create</b> <i>required</i>	<a href="#">data_aws_backups_snapshots_volumes_recover_from_s3_create</a>

**data\_aws\_backups\_snapshots\_volumes\_recover\_from\_s3\_create**

Name	Description	Schema
<b>attach_behaviour</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)
<b>attach_to</b> <i>optional</i>	AWS instance ID to attach the newly recovered volume.	string
<b>aws_resource_type</b> <i>optional</i>	Type of the EBS volume.	string
<b>capacity</b> <i>optional</i>	Capacity of a volume.	integer
<b>credentials</b> <i>optional</i>	If set, the supplied credentials will be used to authenticate the account to recover to. Otherwise, the policy's account credentials will be used.	<a href="#">data_aws_backups_snapshots_volumes_recover_from_s3_create_credentials</a>
<b>device</b> <i>optional</i>	Which device it will be attached as. This is only used if you choose to automatically attach the recovered volume to an instance.	string
<b>encryption_key</b> <i>optional</i>	Encryption key for target region of volume.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>preserve_tags</b> <i>optional</i>	Whether to associate the same tags (like the volume's name) to the recovered volume. Default is true.	boolean
<b>region</b> <i>optional</i>	Target region for the volume recover.	string
<b>retrieve_options</b> <i>optional</i>	Retrieval parameters to use if retrieval of data from Glacier to S3 is required.	<a href="#">data_aws_backups_snapshots_volumes_recover_from_s3_create_retrieve_options</a>
<b>throughput</b> <i>optional</i>	The throughput that the volume can support.	integer
<b>to_account</b> <i>optional</i>	Restore to account.	integer

Name	Description	Schema
<b>worker_configuration</b> <i>optional</i>	If set, the supplied worker configuration will be used. Otherwise, the worker configuration will be build.	<a href="#">data_aws_backups_snapshots_volumes_recover_from_s3_create_worker_configuration</a>
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**data\_aws\_backups\_snapshots\_volumes\_recover\_from\_s3\_create\_credentials**

Name	Schema
<b>aws_access_key</b> <i>optional</i>	string
<b>aws_secret_key</b> <i>optional</i>	string

**data\_aws\_backups\_snapshots\_volumes\_recover\_from\_s3\_create\_retrieve\_options**

Name	Description	Schema
<b>days_to_keep</b> <i>optional</i>		integer
<b>retrieval_tier</b> <i>required</i>	<b>Allowed Enum Values</b> * E (Expedited) * S (Standard) * B (Bulk)	enum (E, S, B)

**data\_aws\_backups\_snapshots\_volumes\_recover\_from\_s3\_create\_worker\_configuration**

Name	Description	Schema
<b>aws_key_pair</b> <i>optional</i>	Key pair of worker configuration.	string
<b>aws_security_group</b> <i>required</i>	Security group of worker configuration.	string
<b>aws_subnet</b> <i>required</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <i>Any</i> .	string
<b>aws_vpc</b> <i>required</i>	VPC of worker configuration.	string
<b>http_proxy_address</b> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string
<b>http_proxy_password_encrypted</b> <i>optional</i>	Proxy password if network access via http proxy on worker configuration.	string

Name	Description	Schema
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean

### 6.84.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_backups_snapshots_volumes_recover_from_s3_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_backups_snapshots_volumes_recover_from_s3_create_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_backups_snapshots_volumes_recover_from_s3_create_s3_recover_status</a>



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

**response\_aws\_backups\_snapshots\_volumes\_recover\_from\_s3\_create\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

#### 6.84.4. Consumes

- `application/json`

#### 6.84.5. Produces

- `application/json`

## 6.85. Move a backup record to the freezer

```
POST /api/aws/backups/{backup_id}/to_freezer/
```

### 6.85.1. 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

### 6.85.2. Parameters

Type	Name	Schema
Path	<b>backup_id</b> <i>required</i>	string
Body	<b>data_aws_backups_to_freezer_create</b> <i>required</i>	<a href="#">data_aws_backups_to_freezer_create</a>

#### data\_aws\_backups\_to\_freezer\_create

Name	Description	Schema
<b>description</b> <i>required</i>	Backup record's new freezer policy description.	string
<b>name</b> <i>required</i>	Backup record's new freezer policy name.	string

### 6.85.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_backups_to_freezer_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_backups\_to\_freezer\_create**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>account</b> <i>optional</i>	ID of the account this backup is associated with.	integer
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_account_regions</b> <i>optional</i>	Target regions in the DR account to copy to. Can be one or multiple regions.	string
<b>dr_regions</b> <i>optional</i>	DR region.	string
<b>dr_status</b> <i>optional</i>	Backup's DR status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* N (N/A)</li> <li>* P (Pending)</li> <li>* I (In Progress)</li> <li>* S (Skipped)</li> <li>* C (Completed)</li> <li>* F (Failed)</li> </ul>	enum (N, P, I, S, C, F)
<b>end_time</b> <i>optional</i>	Backup's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_retry</b> <i>optional</i>	Whether this backup is a retry attempt or not.	boolean
<b>marked_for_deletion</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>performed_quiesce</b> <i>optional</i>	Whether quiesce was performed or not.	boolean
<b>policy</b> <i>optional</i>	Policy that the backup is associated with.	integer
<b>retry_scheduled</b> <i>optional</i>	Whether a retry is scheduled to be performed or not.	boolean
<b>start_time</b> <i>optional</i>	Backup's start time.	string

Name	Description	Schema
<b>status</b> <i>optional</i>	Backup's status.  <b>Allowed Enum Values</b> * 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 S3) * G (Moved to S3 Glacier)	enum (I, P, B, A, S, D, F, M, G)
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### 6.85.4. Consumes

- `application/json`

#### 6.85.5. Produces

- `application/json`

## 6.86. Retrieve a N2WS backup record

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

### 6.86.1. 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

### 6.86.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 6.86.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_backups\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this backup is associated with.	integer
<b>cloud</b> <i>optional</i>		string
<b>description</b> <i>optional</i>	Description for the resource.	string

Name	Description	Schema
<b>dr_account_regions</b> <i>optional</i>	Target regions in the DR account to copy to. Can be one or multiple regions.	string
<b>dr_regions</b> <i>optional</i>	DR region.	string
<b>dr_status</b> <i>optional</i>	Backup's DR status.  <b>Allowed Enum Values</b> * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
<b>end_time</b> <i>optional</i>	Backup's end time.	string
<b>glacier_archive_status</b> <i>optional</i>	Status of the archive to Glacier.	<a href="#">response_aws_backups_read_glacier_archive_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_backup_record_empty</b> <i>optional</i>	Does this backup have snapshots?	boolean
<b>is_freezer_item</b> <i>optional</i>	Whether this backup item was moved to freezer or not.	boolean
<b>is_recoverable</b> <i>optional</i>	Can this backup be recovered.	boolean
<b>is_retry</b> <i>optional</i>	Whether this backup is a retry attempt or not.	boolean
<b>marked_for_deletion</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>move_to_freezer_enabled</b> <i>optional</i>		boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>performed_quiesce</b> <i>optional</i>	Whether quiesce was performed or not.	boolean
<b>policy</b> <i>optional</i>	Policy that the backup is associated with.	integer
<b>retry_scheduled</b> <i>optional</i>	Whether a retry is scheduled to be performed or not.	boolean

Name	Description	Schema
<b>s3_copy_status</b> <i>optional</i>	Copy to S3 status (license dependent).	<a href="#">response_aws_b ackups_read_s3_ copy_status</a>
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup's status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Initializing)</li> <li>* P (In Progress)</li> <li>* B (Backup Successful)</li> <li>* A (Backup Partially Successful)</li> <li>* S (Not All Snapshots Succeeded)</li> <li>* D (All Snapshots Deleted)</li> <li>* F (Backup Failed)</li> <li>* M (Moved to S3)</li> <li>* G (Moved to S3 Glacier)</li> </ul>	enum (I, P, B, A, S, D, F, M, G)
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_aws\_backups\_read\_glacier\_archive\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		string
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* Z (Not started)</li> <li>* I (Initializing)</li> <li>* P (In Progress)</li> <li>* S (Completed Successfully)</li> <li>* V (All valid targets copied)</li> <li>* F (Failed)</li> <li>* G (Aborting)</li> <li>* A (Aborted)</li> <li>* R (Partially copied)</li> <li>* X (Expired)</li> <li>* D (All Snapshots Deleted)</li> <li>* K (Skipped)</li> </ul>	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

**response\_aws\_backups\_read\_s3\_copy\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		integer



Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

### 6.86.4. Produces

- application/json

## 6.87. Update a N2WS freezer backup record

```
PUT /api/aws/backups/{id}/
```

### 6.87.1. 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

### 6.87.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_aws_backups_update</b> <i>required</i>	<a href="#">data_aws_backups_update</a>

#### data\_aws\_backups\_update

Name	Description	Schema
<b>description</b> <i>required</i>	Description for the resource.	string
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string

### 6.87.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_backups_update</a>
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
<b>account</b> <i>optional</i>	ID of the account this backup is associated with.	integer
<b>cloud</b> <i>optional</i>		string
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_account_regions</b> <i>optional</i>	Target regions in the DR account to copy to. Can be one or multiple regions.	string
<b>dr_regions</b> <i>optional</i>	DR region.	string
<b>dr_status</b> <i>optional</i>	Backup's DR status.  <b>Allowed Enum Values</b> * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
<b>end_time</b> <i>optional</i>	Backup's end time.	string
<b>glacier_archive_status</b> <i>optional</i>	Status of the archive to Glacier.	<a href="#">response_aws_backups_update_glacier_archive_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_backup_record_empty</b> <i>optional</i>	Does this backup have snapshots?	boolean
<b>is_freezer_item</b> <i>optional</i>	Whether this backup item was moved to freezer or not.	boolean
<b>is_recoverable</b> <i>optional</i>	Can this backup be recovered.	boolean

Name	Description	Schema
<b>is_retry</b> <i>optional</i>	Whether this backup is a retry attempt or not.	boolean
<b>marked_for_deletion</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>move_to_freezer_enabled</b> <i>optional</i>		boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>performed_quiesce</b> <i>optional</i>	Whether quiesce was performed or not.	boolean
<b>policy</b> <i>optional</i>	Policy that the backup is associated with.	integer
<b>retry_scheduled</b> <i>optional</i>	Whether a retry is scheduled to be performed or not.	boolean
<b>s3_copy_status</b> <i>optional</i>	Copy to S3 status (license dependent).	<a href="#">response_aws_backups_update_s3_copy_status</a>
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup's status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Initializing)</li> <li>* P (In Progress)</li> <li>* B (Backup Successful)</li> <li>* A (Backup Partially Successful)</li> <li>* S (Not All Snapshots Succeeded)</li> <li>* D (All Snapshots Deleted)</li> <li>* F (Backup Failed)</li> <li>* M (Moved to S3)</li> <li>* G (Moved to S3 Glacier)</li> </ul>	enum (I, P, B, A, S, D, F, M, G)
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_aws\_backups\_update\_glacier\_archive\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		string

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		integer
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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)

**6.87.4. Consumes**

- `application/json`

**6.87.5. Produces**

- `application/json`

## 6.88. Delete a N2WS freezer backup record

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

### 6.88.1. 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

### 6.88.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	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. List the selected logs

```
GET /api/aws/backups/{id}/logs/
```

### 6.89.1. 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

### 6.89.2. Parameters

Type	Name	Description	Schema
Path	<b>id</b> <i>required</i>		string
Query	<b>severity</b> <i>optional</i>	None	string

### 6.89.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_backups_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_backups\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string

Name	Description	Schema
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	Severity of the logging.	string

#### 6.89.4. 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	<b>account</b> <i>optional</i>	ID of the associated account.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * region	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	VPC region.	number
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: *	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 7.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_captured_tgws_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_captured\_tgws\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the associated account.	integer
<b>capture_time</b> <i>optional</i>	Time when the VPC data was captured.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>region</b> <i>optional</i>	VPC region.	string
<b>template_size</b> <i>optional</i>	Estimated size of CloudFormation template that constructs this VPC on clone operation.	integer
<b>tgw_aws_id</b> <i>optional</i>		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	<b>account</b> <i>optional</i>	ID of the associated account.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * region	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	VPC region.	number
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: *	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 8.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_captured_vpcs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_captured\_vpcs\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the associated account.	integer
<b>capture_time</b> <i>optional</i>	Time when the VPC data was captured.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>region</b> <i>optional</i>	VPC region.	string
<b>template_size</b> <i>optional</i>	Estimated size of CloudFormation template that constructs this VPC on clone operation.	integer
<b>vpc_aws_id</b> <i>optional</i>	ID of the VPC in AWS.	string

### 8.1.4. Produces

- `application/json`

## 8.2. List the selected logs

```
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	< <a href="#">response_aws_captured_vpcs_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_captured\_vpcs\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 8.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_captured_vpcs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_captured\_vpcs\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the associated account.	integer
<b>capture_time</b> <i>optional</i>	Time when the VPC data was captured.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer



Name	Description	Schema
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>region</b> <i>optional</i>	VPC region.	string
<b>template_size</b> <i>optional</i>	Estimated size of CloudFormation template that constructs this VPC on clone operation.	integer
<b>vpc_aws_id</b> <i>optional</i>	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	<b>id</b> <i>required</i>		string
Query	<b>bucket_name</b> <i>optional</i>	Name of an existing S3 bucket on the destination region.	string
Query	<b>to_account</b> <i>required</i>	Destination account ID.	number
Query	<b>to_region</b> <i>required</i>	Destination AWS region name.	string
Query	<b>to_vpc</b> <i>required</i>	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	<b>id</b> <i>required</i>		string
Query	<b>bucket_name</b> <i>optional</i>	Name of an existing S3 bucket on the destination region.	string
Query	<b>to_account</b> <i>required</i>	Destination account ID.	number
Query	<b>to_region</b> <i>required</i>	Destination AWS region name.	string
Query	<b>to_tgw</b> <i>required</i>	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	<b>id</b> <i>required</i>		string
Query	<b>bucket_name</b> <i>optional</i>	Name of an existing S3 bucket on the destination region.	string
Query	<b>to_account</b> <i>required</i>	Destination account ID.	number
Query	<b>to_region</b> <i>required</i>	Destination AWS region name.	string
Query	<b>to_vpc</b> <i>required</i>	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	<b>account</b> <i>optional</i>	Account the policy is associated with.	string
Query	<b>end_date</b> <i>required</i>	End date for the cost estimation time frame.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * enabled * generations * name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	string
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule	string
Query	<b>start_date</b> <i>required</i>	Start date for the cost estimation time frame.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 9.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_cost_explorer_backup_costs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_cost\_explorer\_backup\_costs\_list

Name	Description	Schema
<b>blended_costs</b> <i>optional</i>	Blended costs (USD) for storage of AWS snapshots.	number
<b>end_date</b> <i>optional</i>	End date for the cost estimation time frame.	string
<b>policy</b> <i>optional</i>	Policy ID of the policy whose costs are to be displayed.	integer
<b>start_date</b> <i>optional</i>	Start date for the cost estimation time frame.	string
<b>user</b> <i>optional</i>	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	<a href="#">response_aws_cost_explorer_backup_costs_test_root_cost_explorer</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_cost\_explorer\_backup\_costs\_test\_root\_cost\_explorer

Name	Description	Schema
<b>blended_costs</b> <i>optional</i>	Blended costs (USD) for storage of AWS snapshots.	number
<b>end_date</b> <i>optional</i>	End date for the cost estimation time frame.	string
<b>policy</b> <i>optional</i>	Policy ID of the policy whose costs are to be displayed.	integer
<b>start_date</b> <i>optional</i>	Start date for the cost estimation time frame.	string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 9.3.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_cost_explorer_backup_costs_read</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_cost\_explorer\_backup\_costs\_read

Name	Description	Schema
<b>blended_costs</b> <i>optional</i>	Blended costs (USD) for storage of AWS snapshots.	number

Name	Description	Schema
<b>end_date</b> <i>optional</i>	End date for the cost estimation time frame.	string
<b>policy</b> <i>optional</i>	Policy ID of the policy whose costs are to be displayed.	integer
<b>start_date</b> <i>optional</i>	Start date for the cost estimation time frame.	string
<b>user</b> <i>optional</i>	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	<b>account</b> <i>optional</i>	Account the resource control group is associated with.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * enabled * name * timeout * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * account	string

Type	Name	Description	Schema
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 9.5.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_cost_explorer_resource_control_savings_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_cost\_explorer\_resource\_control\_savings\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>enabled</b> <i>optional</i>	If set, the resource control group is enabled.	boolean
<b>end_time</b> <i>optional</i>	Resource control group savings prediction end time (one month after time of request).	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>start_time</b> <i>optional</i>	Resource control group savings prediction start time (time of request).	string
<b>total_downtime_hours</b> <i>optional</i>	Total resource control group downtime during prediction period (hours).	number
<b>total_savings_usd</b> <i>optional</i>	Monthly savings prediction of the resource control group (USD).	number
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 9.6.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_cost_explorer_resource_control_savings_read</a> > 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
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>enabled</b> <i>optional</i>	If set, the resource control group is enabled.	boolean
<b>end_time</b> <i>optional</i>	Resource control group savings prediction end time (one month after time of request).	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>start_time</b> <i>optional</i>	Resource control group savings prediction start time (time of request).	string
<b>total_downtime_hours</b> <i>optional</i>	Total resource control group downtime during prediction period (hours).	number
<b>total_savings_usd</b> <i>optional</i>	Monthly savings prediction of the resource control group (USD).	number
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>data_aws_explore_sessions_create</b> <i>required</i>	<a href="#">data_aws_explore_sessions_create</a>

#### data\_aws\_explore\_sessions\_create

Name	Description	Schema
<b>aws_instance_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_volume_ids</b> <i>optional</i>	AWS volume IDs.	< string > array
<b>backup_record</b> <i>required</i>	ID of Backup record associated with the explore session.	integer
<b>from_account</b> <i>optional</i>	Restore from account.	integer
<b>num_generations</b> <i>optional</i>	If provided, the previous generations of backup record snapshots up to the provided <code>backup_record</code> will be associated with the explore session as well.	integer
<b>region</b> <i>optional</i>	ID of a region to restore from.	integer

Name	Description	Schema
<b>source</b> <i>optional</i>	Source to recover from.  <b>Allowed Enum Values</b> * E (EBS) * S (S3)	enum (E, S)

### 10.1.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_explore_sessions_create</a>
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
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_instance_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_volume_ids</b> <i>optional</i>	AWS volume IDs.	< string > array
<b>backup_record</b> <i>optional</i>	ID of Backup record associated with the explore session.	integer
<b>explore_type</b> <i>optional</i>	Type of the explore session.  <b>Allowed Enum Values</b> * I (Instance Volumes) * V (Independent Volumes) * D (RDS) * R (Redshift Cluster)	enum (I, V, D, R)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>num_generations</b> <i>optional</i>	If provided, the previous generations of backup record snapshots up to the provided <b>backup_record</b> will be associated with the explore session as well.	integer

Name	Description	Schema
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>session_path</b> <i>optional</i>	Path for the explore session.	string
<b>start_time</b> <i>optional</i>	Explore session's start time.	string
<b>status</b> <i>optional</i>	Explore session's status.  <b>Allowed Enum Values</b> * 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	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>backup_record</b> <i>optional</i>	ID of Backup record associated with the explore session.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * start_time	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	string
Query	<b>search_by_instance</b> <i>optional</i>	Return sessions of backups which targeted an instance with an AWS ID which includes the given search term.	string
Query	<b>search_by_volume</b> <i>optional</i>	Return sessions of backups which targeted a volume with an AWS ID which includes the given search term.	string

Type	Name	Description	Schema
Query	<b>status</b> <i>optional</i>	Explore session's status.	string

### 10.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_explore_sessions_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_explore\_sessions\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_instance_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_volume_ids</b> <i>optional</i>	AWS volume IDs.	< string > array
<b>backup_record</b> <i>optional</i>	ID of Backup record associated with the explore session.	integer
<b>explore_type</b> <i>optional</i>	Type of the explore session.  <b>Allowed Enum Values</b> * I (Instance Volumes) * V (Independent Volumes) * D (RDS) * R (Redshift Cluster)	enum (I, V, D, R)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>num_generations</b> <i>optional</i>	If provided, the previous generations of backup record snapshots up to the provided <b>backup_record</b> will be associated with the explore session as well.	integer
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>session_path</b> <i>optional</i>	Path for the explore session.	string

Name	Description	Schema
<b>start_time</b> <i>optional</i>	Explore session's start time.	string
<b>status</b> <i>optional</i>	Explore session's status.  <b>Allowed Enum Values</b> * 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	<b>data_aws_explore_sessions_max_generations</b> <i>required</i>	<a href="#">data_aws_explore_sessions_max_generations</a>

#### data\_aws\_explore\_sessions\_max\_generations

Name	Description	Schema
<b>aws_instance_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_volume_ids</b> <i>optional</i>	AWS volume IDs.	< string > array
<b>backup_record</b> <i>required</i>	ID of Backup record associated with the explore session.	integer
<b>from_account</b> <i>optional</i>	Restore from account.	integer
<b>num_generations</b> <i>optional</i>	If provided, the previous generations of backup record snapshots up to the provided <code>backup_record</code> will be associated with the explore session as well.	integer

Name	Description	Schema
<b>region</b> <i>optional</i>	ID of a region to restore from.	integer
<b>source</b> <i>optional</i>	Source to recover from.  <b>Allowed Enum Values</b> * E (EBS) * S (S3)	enum (E, S)

### 10.4.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_explore_sessions_max_generations</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_explore\_sessions\_max\_generations

Name	Description	Schema
<b>max_generations</b> <i>optional</i>	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	<b>explore_session_id</b> <i>required</i>	string
Body	<b>data_aws_explore_sessions_download_create</b> <i>required</i>	<a href="#">data_aws_explore_sessions_download_create</a>

#### data\_aws\_explore\_sessions\_download\_create

Name	Description	Schema
<b>paths</b> <i>required</i>	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	<b>explore_session_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	<b>explore_session_id</b> <i>required</i>	string
Body	<b>data_aws_explore_sessions_file_system_entries_create</b> <i>required</i>	<a href="#">data_aws_explore_sessions_file_system_entries_create</a>

#### data\_aws\_explore\_sessions\_file\_system\_entries\_create

Name	Description	Schema
<b>depth</b> <i>optional</i>	Depth to explore sub directories.	string
<b>do_async</b> <i>optional</i>	If set the listing will be done async.	boolean
<b>path</b> <i>optional</i>	Target path explore. Empty path will use root as path.	string
<b>search</b> <i>optional</i>	Search string to narrow results.	string

### 10.7.3. Responses



HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_explore_sessions_file_system_entries_create</a>
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_explore\_sessions\_file\_system\_entries\_create**

Name	Description	Schema
<b>children</b> <i>optional</i>	List of all sub directories and files under the requested target.	< <a href="#">response_aws_explore_sessions_file_system_entries_create_children</a> > array
<b>depth</b> <i>optional</i>	Depth to explore sub directories.	integer
<b>modified_time</b> <i>optional</i>	Modification time of the file system entry.	string
<b>name</b> <i>optional</i>	Name of the file system entry.	string
<b>parent</b> <i>optional</i>	Path of parent directory.	string
<b>path</b> <i>optional</i>	Target path explore. Empty path will use root as path.	string
<b>size</b> <i>optional</i>	Size of the file system entry.	integer
<b>type</b> <i>optional</i>	<b>Allowed Enum Values</b> * F (File) * D (Directory)	enum (F, D)
<b>url_friendly_path</b> <i>optional</i>	Path explored by the API call, with special escape characters handled.	string

**response\_aws\_explore\_sessions\_file\_system\_entries\_create\_children**

Name	Description	Schema
<b>depth</b> <i>optional</i>	Depth to explore sub directories.	integer
<b>modified_time</b> <i>optional</i>	Modification time of the file system entry.	string
<b>name</b> <i>optional</i>	Name of the file system entry.	string

Name	Description	Schema
<b>parent</b> <i>optional</i>	Path of parent directory.	string
<b>path</b> <i>optional</i>	Target path explore. Empty path will use root as path.	string
<b>size</b> <i>optional</i>	Size of the file system entry.	integer
<b>type</b> <i>optional</i>	<b>Allowed Enum Values</b> * F (File) * D (Directory)	enum (F, D)
<b>url_friendly_path</b> <i>optional</i>	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	<b>explore_session_id</b> <i>required</i>		string
Query	<b>depth</b> <i>optional</i>	Depth to explore sub directories.	string
Query	<b>do_async</b> <i>optional</i>	If set the listing will be done async.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>path</b> <i>optional</i>	Target path explore. Empty path will use root as path.	string
Query	<b>search</b> <i>optional</i>	Search string to narrow results.	string

### 10.8.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_explore_sessions_file_system_entries_list</a> > array

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

**response\_aws\_explore\_sessions\_file\_system\_entries\_list**

Name	Description	Schema
<b>children</b> <i>optional</i>	List of all sub directories and files under the requested target.	< <a href="#">response_aws_explore_sessions_file_system_entries_list_children</a> > array
<b>depth</b> <i>optional</i>	Depth to explore sub directories.	integer
<b>modified_time</b> <i>optional</i>	Modification time of the file system entry.	string
<b>name</b> <i>optional</i>	Name of the file system entry.	string
<b>parent</b> <i>optional</i>	Path of parent directory.	string
<b>path</b> <i>optional</i>	Target path explore. Empty path will use root as path.	string
<b>size</b> <i>optional</i>	Size of the file system entry.	integer
<b>type</b> <i>optional</i>	<b>Allowed Enum Values</b> * F (File) * D (Directory)	enum (F, D)
<b>url_friendly_path</b> <i>optional</i>	Path explored by the API call, with special escape characters handled.	string

**response\_aws\_explore\_sessions\_file\_system\_entries\_list\_children**

Name	Description	Schema
<b>depth</b> <i>optional</i>	Depth to explore sub directories.	integer
<b>modified_time</b> <i>optional</i>	Modification time of the file system entry.	string
<b>name</b> <i>optional</i>	Name of the file system entry.	string

Name	Description	Schema
<b>parent</b> <i>optional</i>	Path of parent directory.	string
<b>path</b> <i>optional</i>	Target path explore. Empty path will use root as path.	string
<b>size</b> <i>optional</i>	Size of the file system entry.	integer
<b>type</b> <i>optional</i>	<b>Allowed Enum Values</b> * F (File) * D (Directory)	enum (F, D)
<b>url_friendly_path</b> <i>optional</i>	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	<b>explore_session_id</b> <i>required</i>	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	<b>id</b> <i>required</i>	string

### 10.10.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_explore_sessions_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_explore\_sessions\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_instance_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_volume_ids</b> <i>optional</i>	AWS volume IDs.	< string > array

Name	Description	Schema
<b>backup_record</b> <i>optional</i>	ID of Backup record associated with the explore session.	integer
<b>explore_type</b> <i>optional</i>	Type of the explore session.  <b>Allowed Enum Values</b> * I (Instance Volumes) * V (Independent Volumes) * D (RDS) * R (Redshift Cluster)	enum (I, V, D, R)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>num_generations</b> <i>optional</i>	If provided, the previous generations of backup record snapshots up to the provided <b>backup_record</b> will be associated with the explore session as well.	integer
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>session_path</b> <i>optional</i>	Path for the explore session.	string
<b>start_time</b> <i>optional</i>	Explore session's start time.	string
<b>status</b> <i>optional</i>	Explore session's status.  <b>Allowed Enum Values</b> * 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	<b>id</b> <i>required</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_network_configuration_captures_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_network\_configuration\_captures\_list

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>		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	<b>id</b> <i>required</i>	string

### 11.2.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_network_configuration_captures_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_network\_configuration\_captures\_read

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>		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	<b>id</b> <i>required</i>	string

### 11.3.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_network_configuration_captures_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_network\_configuration\_captures\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	Severity of the logging.	string

#### 11.3.4. Produces

- application/json
- text/csv



# Chapter 12. AWS Policies

## 12.1. Run a N2WS policy ASAP

```
POST /api/aws/policies/
```

### 12.1.1. Description

This endpoint runs a N2WS policy ASAP.

#### 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:* 2.1.0

### 12.1.2. Parameters

Type	Name	Schema
Body	<b>data_aws_policies_create</b> <i>required</i>	<a href="#">data_aws_policies_create</a>

#### data\_aws\_policies\_create

Name	Description	Schema
<b>account</b> <i>required</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean

Name	Description	Schema
<b>enable_agent_scripts</b> <i>optional</i>	Relevant for <b>cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array

### 12.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_create

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>copy_to_s3_enabled</b> <i>optional</i>	Indicates if this policy's snapshots are copied to S3.	boolean
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string

Name	Description	Schema
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean
<b>enable_agent_scripts</b> <i>optional</i>	<b>Relevant for cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>import_num_copied</b> <i>optional</i>		integer
<b>import_num_total</b> <i>optional</i>		integer
<b>import_status</b> <i>optional</i>	Import status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Initialized)</li> <li>* S (Scanning)</li> <li>* D (Pausing)</li> <li>* T (Scanning failed)</li> <li>* A (Scan complete)</li> <li>* C (Copying)</li> <li>* P (Copy paused)</li> <li>* F (Copy failed)</li> <li>* E (Copy ended)</li> <li>* G (Deleting native snapshots)</li> <li>* M (Snapshots moved to S3)</li> </ul>	enum (I, S, D, T, A, C, P, F, E, G, M)
<b>is_archive_active</b> <i>optional</i>	Is Archive operation currently running for this policy.	boolean
<b>is_s3_cleanup_active</b> <i>optional</i>	Is S3 Cleanup operation currently running for this policy.	boolean
<b>last_dr_recovery_time</b> <i>optional</i>	Last time a DR backup of the current policy was recovered.	string
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

Name	Description	Schema
<b>policy_type</b> <i>optional</i>	Policy type.	string
<b>s3_operation_in_progress</b> <i>optional</i>	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>user</b> <i>optional</i>	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:* **2.1.0**

### 12.2.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	Account the policy is associated with.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * enabled * generations * name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	string

Type	Name	Description	Schema
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 12.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>copy_to_s3_enabled</b> <i>optional</i>	Indicates if this policy's snapshots are copied to S3.	boolean
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean
<b>enable_agent_scripts</b> <i>optional</i>	<b>Relevant for cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean

Name	Description	Schema
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>import_num_copied</b> <i>optional</i>		integer
<b>import_num_total</b> <i>optional</i>		integer
<b>import_status</b> <i>optional</i>	<p>Import status.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* I (Initialized)</li> <li>* S (Scanning)</li> <li>* D (Pausing)</li> <li>* T (Scanning failed)</li> <li>* A (Scan complete)</li> <li>* C (Copying)</li> <li>* P (Copy paused)</li> <li>* F (Copy failed)</li> <li>* E (Copy ended)</li> <li>* G (Deleting native snapshots)</li> <li>* M (Snapshots moved to S3)</li> </ul>	enum (I, S, D, T, A, C, P, F, E, G, M)
<b>is_archive_active</b> <i>optional</i>	Is Archive operation currently running for this policy.	boolean
<b>is_s3_cleanup_active</b> <i>optional</i>	Is S3 Cleanup operation currently running for this policy.	boolean
<b>last_dr_recovery_time</b> <i>optional</i>	Last time a DR backup of the current policy was recovered.	string
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>policy_type</b> <i>optional</i>	Policy type.	string
<b>s3_operation_in_progress</b> <i>optional</i>	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean



Name	Description	Schema
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>user</b> <i>optional</i>	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:* 2.1.0

### 12.3.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 12.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer

Name	Description	Schema
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>copy_to_s3_enabled</b> <i>optional</i>	Indicates if this policy's snapshots are copied to S3.	boolean
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean
<b>enable_agent_scripts</b> <i>optional</i>	<b>Relevant for cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>import_num_copied</b> <i>optional</i>		integer
<b>import_num_total</b> <i>optional</i>		integer

Name	Description	Schema
<b>import_status</b> <i>optional</i>	Import status.  <b>Allowed Enum Values</b> * 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 S3)	enum (I, S, D, T, A, C, P, F, E, G, M)
<b>is_archive_active</b> <i>optional</i>	Is Archive operation currently running for this policy.	boolean
<b>is_s3_cleanup_active</b> <i>optional</i>	Is S3 Cleanup operation currently running for this policy.	boolean
<b>last_dr_recovery_time</b> <i>optional</i>	Last time a DR backup of the current policy was recovered.	string
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>policy_type</b> <i>optional</i>	Policy type.	string
<b>s3_operation_in_progress</b> <i>optional</i>	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_policies_update</b> <i>required</i>	<a href="#">data_aws_policies_update</a>

#### data\_aws\_policies\_update

Name	Description	Schema
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean
<b>enable_agent_scripts</b> <i>optional</i>	<b>Relevant for cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean

Name	Description	Schema
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array

### 12.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_update</a>
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
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>copy_to_s3_enabled</b> <i>optional</i>	Indicates if this policy's snapshots are copied to S3.	boolean
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string

Name	Description	Schema
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean
<b>enable_agent_scripts</b> <i>optional</i>	<b>Relevant for cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>import_num_copied</b> <i>optional</i>		integer
<b>import_num_total</b> <i>optional</i>		integer
<b>import_status</b> <i>optional</i>	Import status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Initialized)</li> <li>* S (Scanning)</li> <li>* D (Pausing)</li> <li>* T (Scanning failed)</li> <li>* A (Scan complete)</li> <li>* C (Copying)</li> <li>* P (Copy paused)</li> <li>* F (Copy failed)</li> <li>* E (Copy ended)</li> <li>* G (Deleting native snapshots)</li> <li>* M (Snapshots moved to S3)</li> </ul>	enum (I, S, D, T, A, C, P, F, E, G, M)
<b>is_archive_active</b> <i>optional</i>	Is Archive operation currently running for this policy.	boolean
<b>is_s3_cleanup_active</b> <i>optional</i>	Is S3 Cleanup operation currently running for this policy.	boolean
<b>last_dr_recovery_time</b> <i>optional</i>	Last time a DR backup of the current policy was recovered.	string
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

Name	Description	Schema
<b>policy_type</b> <i>optional</i>	Policy type.	string
<b>s3_operation_in_progress</b> <i>optional</i>	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	string

### 12.6.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_policies_create_backups</a>
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
<b>tracker_id</b> <i>optional</i>	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:* 1.4.0

### 12.7.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 12.7.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_copy_to_s3_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_aws\_policies\_copy\_to\_s3\_read**

Name	Description	Schema
<b>archive_storage_class</b> <i>optional</i>	Storage class to use for snapshot data stored in archive. Valid options are: 'Glacier' (default) or 'Deep Archive'  <b>Allowed Enum Values</b> * GLACIER (Glacier) * DEEP_ARCHIVE (Deep Archive)	enum (GLACIER, DEEP_ARCHIVE)
<b>copy_interval</b> <i>optional</i>	Distance (in generations) between two subsequent copied backups.	integer
<b>copy_to_glacier</b> <i>optional</i>		<a href="#">response_aws_policies_copy_to_s3_read_copy_to_glacier</a>
<b>delete_aws_snapshot_after_copy</b> <i>optional</i>	If set, EBS snapshots are deleted from AWS immediately after copy to S3.	boolean
<b>enable_copy_to_glacier</b> <i>optional</i>	If set, Copy to Glacier will be enabled.	boolean
<b>enable_rds_copy</b> <i>optional</i>		boolean
<b>enabled</b> <i>optional</i>	If set, the S3 Copy will be enabled.	boolean
<b>rds_export_kms_key_arn</b> <i>optional</i>		string
<b>rds_export_role_arn</b> <i>optional</i>		string
<b>repository</b> <i>optional</i>	S3 repository the policy is associated with.	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>retain_in_glacier</b> <i>optional</i>		<a href="#">response_aws_policies_copy_to_s3_read_retain_in_glacier</a>
<b>retention_generation_based</b> <i>optional</i>	Retention based on number of generations.	<a href="#">response_aws_policies_copy_to_s3_read_retention_generation_based</a>
<b>retention_time_based</b> <i>optional</i>	Retention based on snapshot's age.	<a href="#">response_aws_policies_copy_to_s3_read_retention_time_based</a>

Name	Description	Schema
<b>s3_storage_class</b> <i>optional</i>	Storage class to use for snapshot data stored in S3. Valid options are: 'Standard' (default), 'Infrequent Access' or 'Intelligent Tiering'  <b>Allowed Enum Values</b> * STANDARD (Standard) * STANDARD_IA (Infrequent Access) * INTELLIGENT_TIERING (Intelligent Tiering)	enum (STANDARD, STANDARD_IA, INTELLIGENT_TIERING)

**response\_aws\_policies\_copy\_to\_s3\_read\_copy\_to\_glacier**

Name	Description	Schema
<b>every_how</b> <i>optional</i>		integer
<b>every_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>retain_duration</b> <i>optional</i>		integer
<b>retain_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>enabled</b> <i>optional</i>	boolean
<b>num_generations</b> <i>optional</i>	integer

**response\_aws\_policies\_copy\_to\_s3\_read\_retention\_time\_based**

Name	Description	Schema
<b>enabled</b> <i>optional</i>		boolean

Name	Description	Schema
<b>every_how_many</b> <i>optional</i>		integer
<b>every_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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:* 1.4.0

### 12.8.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_aws_policies_copy_to_s3_update</b> <i>required</i>	<a href="#">data_aws_policies_copy_to_s3_update</a>

#### data\_aws\_policies\_copy\_to\_s3\_update

Name	Description	Schema
<b>archive_storage_class</b> <i>optional</i>	Storage class to use for snapshot data stored in archive. Valid options are: 'Glacier' (default) or 'Deep Archive'  <b>Allowed Enum Values</b> * GLACIER (Glacier) * DEEP_ARCHIVE (Deep Archive)	enum (GLACIER, DEEP_ARCHIVE)
<b>copy_interval</b> <i>optional</i>	Distance (in generations) between two subsequent copied backups.	integer



Name	Description	Schema
<b>copy_to_glacier</b> <i>optional</i>		<a href="#">data_aws_policies_copy_to_s3_update_copy_to_glacier</a>
<b>delete_aws_snapshot_after_copy</b> <i>optional</i>	If set, EBS snapshots are deleted from AWS immediately after copy to S3.	boolean
<b>enable_copy_to_glacier</b> <i>optional</i>	If set, Copy to Glacier will be enabled.	boolean
<b>enable_rds_copy</b> <i>optional</i>		boolean
<b>enabled</b> <i>optional</i>	If set, the S3 Copy will be enabled.	boolean
<b>rds_export_kms_key_arn</b> <i>optional</i>		string
<b>rds_export_role_arn</b> <i>optional</i>		string
<b>repository</b> <i>optional</i>	S3 repository the policy is associated with.	integer
<b>retain_in_glacier</b> <i>optional</i>		<a href="#">data_aws_policies_copy_to_s3_update_retain_in_glacier</a>
<b>retention_generation_based</b> <i>optional</i>	Retention based on number of generations.	<a href="#">data_aws_policies_copy_to_s3_update_retention_generation_based</a>
<b>retention_time_based</b> <i>optional</i>	Retention based on snapshot's age.	<a href="#">data_aws_policies_copy_to_s3_update_retention_time_based</a>
<b>s3_storage_class</b> <i>optional</i>	Storage class to use for snapshot data stored in S3. Valid options are: 'Standard' (default), 'Infrequent Access' or 'Intelligent Tiering'  <b>Allowed Enum Values</b> * STANDARD (Standard) * STANDARD_IA (Infrequent Access) * INTELLIGENT_TIERING (Intelligent Tiering)	enum (STANDARD, STANDARD_IA, INTELLIGENT_TIERING)

**data\_aws\_policies\_copy\_to\_s3\_update\_copy\_to\_glacier**

Name	Description	Schema
<b>every_how</b> <i>optional</i>		integer
<b>every_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>retain_duration</b> <i>optional</i>		integer
<b>retain_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>enabled</b> <i>optional</i>	boolean
<b>num_generations</b> <i>optional</i>	integer

**data\_aws\_policies\_copy\_to\_s3\_update\_retention\_time\_based**

Name	Description	Schema
<b>enabled</b> <i>optional</i>		boolean
<b>every_how_many</b> <i>optional</i>		integer
<b>every_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * O (Months) * Y (Years) * D (Days) * W (Weeks)	enum (O, Y, D, W)

**12.8.3. Responses**

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_copy_to_s3_update</a>
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
<b>archive_storage_class</b> <i>optional</i>	Storage class to use for snapshot data stored in archive. Valid options are: 'Glacier' (default) or 'Deep Archive'  <b>Allowed Enum Values</b> * GLACIER (Glacier) * DEEP_ARCHIVE (Deep Archive)	enum (GLACIER, DEEP_ARCHIVE)
<b>copy_interval</b> <i>optional</i>	Distance (in generations) between two subsequent copied backups.	integer
<b>copy_to_glacier</b> <i>optional</i>		<a href="#">response_aws_policies_copy_to_s3_update_copy_to_glacier</a>
<b>delete_aws_snapshot_after_copy</b> <i>optional</i>	If set, EBS snapshots are deleted from AWS immediately after copy to S3.	boolean
<b>enable_copy_to_glacier</b> <i>optional</i>	If set, Copy to Glacier will be enabled.	boolean
<b>enable_rds_copy</b> <i>optional</i>		boolean
<b>enabled</b> <i>optional</i>	If set, the S3 Copy will be enabled.	boolean
<b>rds_export_kms_key_arn</b> <i>optional</i>		string
<b>rds_export_role_arn</b> <i>optional</i>		string
<b>repository</b> <i>optional</i>	S3 repository the policy is associated with.	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string

Name	Description	Schema
<b>retain_in_glacier</b> <i>optional</i>		response_aws_policies_copy_to_s3_update_retain_in_glacier
<b>retention_generation_based</b> <i>optional</i>	Retention based on number of generations.	response_aws_policies_copy_to_s3_update_retention_generation_based
<b>retention_time_based</b> <i>optional</i>	Retention based on snapshot's age.	response_aws_policies_copy_to_s3_update_retention_time_based
<b>s3_storage_class</b> <i>optional</i>	Storage class to use for snapshot data stored in S3. Valid options are: 'Standard' (default), 'Infrequent Access' or 'Intelligent Tiering'  <b>Allowed Enum Values</b> * STANDARD (Standard) * STANDARD_IA (Infrequent Access) * INTELLIGENT_TIERING (Intelligent Tiering)	enum (STANDARD, STANDARD_IA, INTELLIGENT_TIERING)

**response\_aws\_policies\_copy\_to\_s3\_update\_copy\_to\_glacier**

Name	Description	Schema
<b>every_how</b> <i>optional</i>		integer
<b>every_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>retain_duration</b> <i>optional</i>		integer
<b>retain_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>enabled</b> <i>optional</i>	boolean
<b>num_generations</b> <i>optional</i>	integer

**response\_aws\_policies\_copy\_to\_s3\_update\_retention\_time\_based**

Name	Description	Schema
<b>enabled</b> <i>optional</i>		boolean
<b>every_how_many</b> <i>optional</i>		integer
<b>every_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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:* 1.0.0

### 12.9.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 12.9.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_dr_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_dr\_read

Name	Description	Schema
<b>cross_account_dr</b> <i>optional</i>	List of cross-account DR-related fields.	<a href="#">response_aws_policies_dr_read_cross_account_dr</a>

Name	Description	Schema
<b>dr_enabled</b> <i>optional</i>	Whether DR is enabled for this policy. By default DR is disabled.	boolean
<b>dr_frequency</b> <i>optional</i>	Sets the run frequency for DR backups.	integer
<b>dr_regions</b> <i>optional</i>	Target regions to copy data to. Can be one or multiple regions.	< integer > array
<b>dr_timeout_hours</b> <i>optional</i>	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
<b>copy_to_snapshot_original_region</b> <i>optional</i>	Whether to copy each snapshot to it's original region in the DR account.	boolean
<b>dr_account</b> <i>optional</i>	To which DR account to copy the snapshots.	integer
<b>dr_account_regions</b> <i>optional</i>	Target regions in the DR account to copy to. Can be one or multiple regions.	< integer > array
<b>dr_keep_original_snapshots</b> <i>optional</i>	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:* 1.0.0

### 12.10.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_aws_policies_dr_update</b> <i>required</i>	<a href="#">data_aws_policies_dr_update</a>

#### data\_aws\_policies\_dr\_update

Name	Description	Schema
<b>cross_account_dr</b> <i>optional</i>	List of cross-account DR-related fields.	<a href="#">data_aws_policies_dr_update_cross_account_dr</a>
<b>dr_enabled</b> <i>optional</i>	Whether DR is enabled for this policy. By default DR is disabled.	boolean
<b>dr_frequency</b> <i>optional</i>	Sets the run frequency for DR backups.	integer
<b>dr_regions</b> <i>optional</i>	Target regions to copy data to. Can be one or multiple regions.	< integer > array
<b>dr_timeout_hours</b> <i>optional</i>	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
<b>copy_to_snapshot_original_region</b> <i>optional</i>	Whether to copy each snapshot to its original region in the DR account.	boolean
<b>dr_account</b> <i>optional</i>	To which DR account to copy the snapshots.	integer
<b>dr_account_regions</b> <i>optional</i>	Target regions in the DR account to copy to. Can be one or multiple regions.	< integer > array
<b>dr_keep_original_snapshots</b> <i>optional</i>	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	<a href="#">response_aws_policies_dr_update</a>
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
<b>cross_account_dr</b> <i>optional</i>	List of cross-account DR-related fields.	<a href="#">response_aws_policies_dr_update_cross_account_dr</a>
<b>dr_enabled</b> <i>optional</i>	Whether DR is enabled for this policy. By default DR is disabled.	boolean
<b>dr_frequency</b> <i>optional</i>	Sets the run frequency for DR backups.	integer
<b>dr_regions</b> <i>optional</i>	Target regions to copy data to. Can be one or multiple regions.	< integer > array
<b>dr_timeout_hours</b> <i>optional</i>	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
<b>copy_to_snapshot_original_region</b> <i>optional</i>	Whether to copy each snapshot to it's original region in the DR account.	boolean
<b>dr_account</b> <i>optional</i>	To which DR account to copy the snapshots.	integer
<b>dr_account_regions</b> <i>optional</i>	Target regions in the DR account to copy to. Can be one or multiple regions.	< integer > array
<b>dr_keep_original_snapshots</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_policies_do_import</b> <i>required</i>	<a href="#">data_aws_policies_do_import</a>

#### data\_aws\_policies\_do\_import

Name	Description	Schema
<b>account</b> <i>required</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean

Name	Description	Schema
<b>enable_agent_scripts</b> <i>optional</i>	Relevant for <b>cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array

### 12.11.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_do_import</a>
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
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>copy_to_s3_enabled</b> <i>optional</i>	Indicates if this policy's snapshots are copied to S3.	boolean
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean
<b>enable_agent_scripts</b> <i>optional</i>	<b>Relevant for cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>import_num_copied</b> <i>optional</i>		integer
<b>import_num_total</b> <i>optional</i>		integer
<b>import_status</b> <i>optional</i>	Import status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Initialized)</li> <li>* S (Scanning)</li> <li>* D (Pausing)</li> <li>* T (Scanning failed)</li> <li>* A (Scan complete)</li> <li>* C (Copying)</li> <li>* P (Copy paused)</li> <li>* F (Copy failed)</li> <li>* E (Copy ended)</li> <li>* G (Deleting native snapshots)</li> <li>* M (Snapshots moved to S3)</li> </ul>	enum (I, S, D, T, A, C, P, F, E, G, M)
<b>is_archive_active</b> <i>optional</i>	Is Archive operation currently running for this policy.	boolean
<b>is_s3_cleanup_active</b> <i>optional</i>	Is S3 Cleanup operation currently running for this policy.	boolean
<b>last_dr_recovery_time</b> <i>optional</i>	Last time a DR backup of the current policy was recovered.	string
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string

Name	Description	Schema
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>policy_type</b> <i>optional</i>	Policy type.	string
<b>s3_operation_in_progress</b> <i>optional</i>	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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

```
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	<b>id</b> <i>required</i>	string

### 12.13.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string



Name	Description	Schema
<b>log_type</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 12.14.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_import_parameters_read</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_import\_parameters\_read

Name	Description	Schema
<b>br_duration</b> <i>optional</i>	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
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>range_end_time</b> <i>optional</i>	End of the time range, in which the snapshots will be imported.	string
<b>range_start_time</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_policies_import_parameters_update</b> <i>required</i>	<a href="#">data_aws_policies_import_parameters_update</a>

#### data\_aws\_policies\_import\_parameters\_update

Name	Description	Schema
<b>br_duration</b> <i>optional</i>	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
<b>range_end_time</b> <i>optional</i>	End of the time range, in which the snapshots will be imported.	string
<b>range_start_time</b> <i>optional</i>	Start of the time range, in which the snapshots will be imported.	string

### 12.15.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_import_parameters_update</a>
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
<b>br_duration</b> <i>optional</i>	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
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>range_end_time</b> <i>optional</i>	End of the time range, in which the snapshots will be imported.	string
<b>range_start_time</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 12.16.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_options_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_options\_read

Name	Description	Schema
<b>agent_script_timeout</b> <i>optional</i>	Timeout (in seconds) - allotted time for each script to run.	integer
<b>collect_script_output</b> <i>optional</i>	Output of backup scripts goes to the standard error (stderr).	boolean

Name	Description	Schema
<b>considered_successful</b> <i>optional</i>	Backup considered valid.  <b>Allowed Enum Values</b> * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
<b>enable_agent_scripts</b> <i>optional</i>	Backup scripts are turned off by default. Change to Activate to turn on backup scripts.	boolean
<b>minutes_between_retries</b> <i>optional</i>	Amount of time N2WS waits after a failure before retrying.	integer
<b>num_failures_for_alert</b> <i>optional</i>	Number of failures before N2WS triggers an alert.	integer
<b>number_of_retries</b> <i>optional</i>	Maximum number of retries after each failed backup (the default is three).	integer
<b>proceed_if_before_script_failed</b> <i>optional</i>	Whether 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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_policies_options_update</b> <i>required</i>	<a href="#">data_aws_policies_options_update</a>

#### data\_aws\_policies\_options\_update

Name	Description	Schema
<b>agent_script_timeout</b> <i>optional</i>	Timeout (in seconds) - allotted time for each script to run.	integer
<b>collect_script_output</b> <i>optional</i>	Output of backup scripts goes to the standard error (stderr).	boolean
<b>considered_successful</b> <i>optional</i>	Backup considered valid.  <b>Allowed Enum Values</b> * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
<b>enable_agent_scripts</b> <i>optional</i>	Backup scripts are turned off by default. Change to Activate to turn on backup scripts.	boolean



Name	Description	Schema
<b>minutes_between_retries</b> <i>optional</i>	Amount of time N2WS waits after a failure before retrying.	integer
<b>num_failures_for_alert</b> <i>optional</i>	Number of failures before N2WS triggers an alert.	integer
<b>number_of_retries</b> <i>optional</i>	Maximum number of retries after each failed backup (the default is three).	integer
<b>proceed_if_before_script_failed</b> <i>optional</i>	Weather to proceed backup when before_script failed.	boolean

### 12.17.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_options_update</a>
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
<b>agent_script_timeout</b> <i>optional</i>	Timeout (in seconds) - allotted time for each script to run.	integer
<b>collect_script_output</b> <i>optional</i>	Output of backup scripts goes to the standard error (stderr).	boolean
<b>considered_successful</b> <i>optional</i>	Backup considered valid.  <b>Allowed Enum Values</b> * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
<b>enable_agent_scripts</b> <i>optional</i>	Backup scripts are turned off by default. Change to Activate to turn on backup scripts.	boolean
<b>minutes_between_retries</b> <i>optional</i>	Amount of time N2WS waits after a failure before retrying.	integer
<b>num_failures_for_alert</b> <i>optional</i>	Number of failures before N2WS triggers an alert.	integer
<b>number_of_retries</b> <i>optional</i>	Maximum number of retries after each failed backup (the default is three).	integer

Name	Description	Schema
<b>proceed_if_before_script_failed</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_policies_pause_import</b> <i>required</i>	<a href="#">data_aws_policies_pause_import</a>

#### data\_aws\_policies\_pause\_import

Name	Description	Schema
<b>account</b> <i>required</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string

Name	Description	Schema
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean
<b>enable_agent_scripts</b> <i>optional</i>	<b>Relevant for cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array

### 12.18.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_pause_import</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_pause\_import

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>copy_to_s3_enabled</b> <i>optional</i>	Indicates if this policy's snapshots are copied to S3.	boolean
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_enabled</b> <i>optional</i>	Indicates if this policy is DR enabled.	boolean
<b>enable_agent_scripts</b> <i>optional</i>	<b>Relevant for cpmdata policy</b> - Application Consistent scripts are turned off by default. Change to Enabled to turn on Application Consistent scripts.	boolean
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>import_num_copied</b> <i>optional</i>		integer
<b>import_num_total</b> <i>optional</i>		integer
<b>import_status</b> <i>optional</i>	Import status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Initialized)</li> <li>* S (Scanning)</li> <li>* D (Pausing)</li> <li>* T (Scanning failed)</li> <li>* A (Scan complete)</li> <li>* C (Copying)</li> <li>* P (Copy paused)</li> <li>* F (Copy failed)</li> <li>* E (Copy ended)</li> <li>* G (Deleting native snapshots)</li> <li>* M (Snapshots moved to S3)</li> </ul>	enum (I, S, D, T, A, C, P, F, E, G, M)
<b>is_archive_active</b> <i>optional</i>	Is Archive operation currently running for this policy.	boolean
<b>is_s3_cleanup_active</b> <i>optional</i>	Is S3 Cleanup operation currently running for this policy.	boolean
<b>last_dr_recovery_time</b> <i>optional</i>	Last time a DR backup of the current policy was recovered.	string
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string

Name	Description	Schema
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>policy_type</b> <i>optional</i>	Policy type.	string
<b>s3_operation_in_progress</b> <i>optional</i>	Is there an S3 operation, such as Copy, Archive or Cleanup, that is currently running for this policy.	boolean
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	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	<b>policy_id</b> <i>required</i>	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	<b>policy_id</b> <i>required</i>	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	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_custom_tags_create</b> <i>required</i>	<a href="#">data_aws_policies_custom_tags_create</a>

#### data\_aws\_policies\_custom\_tags\_create

Name	Description	Schema
<b>name_is_prefix</b> <i>optional</i>	Indicates if defined Custom Tag name should match a resource's tag name prefix.	boolean
<b>tag_name</b> <i>required</i>	Name of the Custom Tag.	string
<b>tag_value</b> <i>optional</i>	Value of the Custom Tag.	string
<b>value_is_prefix</b> <i>optional</i>	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	<a href="#">response_aws_policies_custom_tags_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

### response\_aws\_policies\_custom\_tags\_create

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name_is_prefix</b> <i>optional</i>	Indicates if defined Custom Tag name should match a resource's tag name prefix.	boolean
<b>tag_name</b> <i>optional</i>	Name of the Custom Tag.	string
<b>tag_value</b> <i>optional</i>	Value of the Custom Tag.	string
<b>value_is_prefix</b> <i>optional</i>	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	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_policies_custom_tags_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_custom\_tags\_list**

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name_is_prefix</b> <i>optional</i>	Indicates if defined Custom Tag name should match a resource's tag name prefix.	boolean
<b>tag_name</b> <i>optional</i>	Name of the Custom Tag.	string
<b>tag_value</b> <i>optional</i>	Value of the Custom Tag.	string
<b>value_is_prefix</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.26.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_custom_tags_read</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_custom\_tags\_read

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name_is_prefix</b> <i>optional</i>	Indicates if defined Custom Tag name should match a resource's tag name prefix.	boolean



Name	Description	Schema
<b>tag_name</b> <i>optional</i>	Name of the Custom Tag.	string
<b>tag_value</b> <i>optional</i>	Value of the Custom Tag.	string
<b>value_is_prefix</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	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	<b>policy_id</b> <i>required</i>		string
Query	<b>days_ahead</b> <i>required</i>	Days ahead to calculate scheduled run times for.	number

### 12.28.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_run_times_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_run\_times\_list

Name	Description	Schema
<b>schedule_name</b> <i>optional</i>	Name of schedule the backup is running.	string
<b>schedule_time</b> <i>optional</i>	Date and time for a future backup for the timezone defined in <b>schedule_timezone</b> .	string
<b>schedule_timezone</b> <i>optional</i>	Timezone the schedule was configured with.	string

Name	Description	Schema
<b>system_time</b> <i>optional</i>	Date and time for a future backup for the timezone defined in <code>system_timezone</code> .	string
<b>system_timezone</b> <i>optional</i>	Timezone the system was configured with.	string
<b>time</b> <i>optional</i>	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	<b>policy_id</b> <i>required</i>	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	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_policies_targets_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_list**

Name	Description	Schema
<b>ami_backup_option</b> <i>optional</i>	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation.  <b>Allowed Enum Values</b> * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
<b>ami_reboot_option</b> <i>optional</i>	Choose whether to reboot the instance during AMI creation.	boolean
<b>application_consistent_backup</b> <i>optional</i>	Application consistent backup parameters. Only applicable for Windows OS.	<a href="#">response_aws_policies_targets_list_application_consistent_backup</a>
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>force_full_s3_copy</b> <i>optional</i>	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
<b>has_product_code</b> <i>optional</i>	Indicates whether the instance was purchased from marketplace.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>is_sap_hana_db_attached</b> <i>optional</i>	Whether this instance is configured to run native Sap Hana DB backup.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>platform</b> <i>optional</i>	Resource platform.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string

Name	Description	Schema
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	Current state of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them.  <b>Allowed Enum Values</b> * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

**response\_aws\_policies\_targets\_list\_application\_consistent\_backup**

Name	Description	Schema
<b>agent_script_timeout</b> <i>optional</i>		integer
<b>collect_script_output</b> <i>optional</i>		boolean
<b>enable_agent_scripts</b> <i>optional</i>		boolean
<b>enable_agent_vss</b> <i>optional</i>		boolean
<b>proceed_if_before_script_failed</b> <i>optional</i>		boolean
<b>remote_agent_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
<b>use_remote_agent</b> <i>optional</i>		boolean
<b>vss_volumes</b> <i>optional</i>		string

**12.30.4. Produces**

- `application/json`



## 12.31. Add a DynamoDB table to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/dynamodb_tables/
```

### 12.31.1. 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

### 12.31.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_dynamodb_tables_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_dynamodb_tables_create</a>

#### data\_aws\_policies\_targets\_dynamodb\_tables\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_name</b> <i>required</i>	Name of the resource in AWS.	string

### 12.31.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_dynamodb_tables_create</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_name</b> <i>optional</i>	Name of the resource in AWS.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>partition_key</b> <i>optional</i>	Partition key for the DynamoDB table.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>sort_key</b> <i>optional</i>	Sort key for the DynamoDB table.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>table_arn</b> <i>optional</i>	ARN unique table identifier.	string
<b>tagged</b> <i>optional</i>		boolean

**12.31.4. Consumes**

- `application/json`

**12.31.5. Produces**

- `application/json`

## 12.32. List the protected DynamoDB tables of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/dynamodb_tables/
```

### 12.32.1. 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

### 12.32.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	None	number

### 12.32.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_dynamodb_tables_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_dynamodb\_tables\_list**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_name</b> <i>optional</i>	Name of the resource in AWS.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>partition_key</b> <i>optional</i>	Partition key for the DynamoDB table.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>sort_key</b> <i>optional</i>	Sort key for the DynamoDB table.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>table_arn</b> <i>optional</i>	ARN unique table identifier.	string
<b>tagged</b> <i>optional</i>		boolean

#### 12.32.4. Produces

- `application/json`

## 12.33. Retrieve a DynamoDB table of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/dynamodb_tables/{id}/
```

### 12.33.1. 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

### 12.33.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.33.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_dynamodb_tables_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_dynamodb\_tables\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string

Name	Description	Schema
<b>aws_resource_name</b> <i>optional</i>	Name of the resource in AWS.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>partition_key</b> <i>optional</i>	Partition key for the DynamoDB table.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>sort_key</b> <i>optional</i>	Sort key for the DynamoDB table.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>table_arn</b> <i>optional</i>	ARN unique table identifier.	string
<b>tagged</b> <i>optional</i>		boolean

#### 12.33.4. Produces

- `application/json`

## 12.34. Delete a DynamoDB table from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/dynamodb_tables/{id}/
```

### 12.34.1. 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

### 12.34.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	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 an Elastic File System (EFS) to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/efs/
```

### 12.35.1. 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

### 12.35.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_efs_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_efs_create</a>

#### data\_aws\_policies\_targets\_efs\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string
<b>backup_iam_role_arn</b> <i>optional</i>	Backup IAM role ARN	string
<b>backup_vault_name</b> <i>optional</i>	AWS Backup vault name	string



Name	Description	Schema
<b>expire_option</b> <i>optional</i>	Expire option  <b>Allowed Enum Values</b> * 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)
<b>expire_option_value</b> <i>optional</i>	Expire option value	integer
<b>move_to_cold_storage_option</b> <i>optional</i>	Transition to cold storage option  <b>Allowed Enum Values</b> * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
<b>move_to_cold_storage_option_value</b> <i>optional</i>	Transition to cold storage option value	integer

### 12.35.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_efs_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_targets\_efs\_create

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>backup_iam_role_arn</b> <i>optional</i>	Backup IAM role ARN	string

Name	Description	Schema
<b>backup_vault_name</b> <i>optional</i>	AWS Backup vault name	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>expire_option</b> <i>optional</i>	Expire option  <b>Allowed Enum Values</b> * 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)
<b>expire_option_value</b> <i>optional</i>	Expire option value	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>move_to_cold_storage_option</b> <i>optional</i>	Transition to cold storage option  <b>Allowed Enum Values</b> * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
<b>move_to_cold_storage_option_value</b> <i>optional</i>	Transition to cold storage option value	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>num_mount_targets</b> <i>optional</i>	Elastic File System's (EFS) number of mounted targets	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>size_in_bytes</b> <i>optional</i>	Elastic File System's (EFS) size in bytes	integer
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean



#### 12.35.4. Consumes

- `application/json`

#### 12.35.5. Produces

- `application/json`

## 12.36. List the protected Elastic File Systems (EFS) of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/efs/
```

### 12.36.1. 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

### 12.36.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	None	number

### 12.36.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_efs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_efs\_list**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>backup_iam_role_arn</b> <i>optional</i>	Backup IAM role ARN	string
<b>backup_vault_name</b> <i>optional</i>	AWS Backup vault name	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>expire_option</b> <i>optional</i>	Expire option  <b>Allowed Enum Values</b> * 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)
<b>expire_option_value</b> <i>optional</i>	Expire option value	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>move_to_cold_storage_option</b> <i>optional</i>	Transition to cold storage option  <b>Allowed Enum Values</b> * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
<b>move_to_cold_storage_option_value</b> <i>optional</i>	Transition to cold storage option value	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>num_mount_targets</b> <i>optional</i>	Elastic File System's (EFS) number of mounted targets	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>size_in_bytes</b> <i>optional</i>	Elastic File System's (EFS) size in bytes	integer

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean

#### 12.36.4. Produces

- `application/json`

## 12.37. Retrieve a protected Elastic File System (EFS) of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/efs/{id}/
```

### 12.37.1. 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

### 12.37.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.37.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_efs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_efs\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string

Name	Description	Schema
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>backup_iam_role_arn</b> <i>optional</i>	Backup IAM role ARN	string
<b>backup_vault_name</b> <i>optional</i>	AWS Backup vault name	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>expire_option</b> <i>optional</i>	<p>Expire option</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* P (Policy Generations)</li> <li>* N (Never)</li> <li>* D (Days after creation)</li> <li>* W (Weeks after creation)</li> <li>* M (Month after creation)</li> <li>* Y (Years after creation)</li> </ul>	enum (P, N, D, W, M, Y)
<b>expire_option_value</b> <i>optional</i>	Expire option value	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>move_to_cold_storage_option</b> <i>optional</i>	<p>Transition to cold storage option</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* N (Never)</li> <li>* D (Days after creation)</li> <li>* W (Weeks after creation)</li> <li>* M (Month after creation)</li> <li>* Y (Years after creation)</li> </ul>	enum (N, D, W, M, Y)
<b>move_to_cold_storage_option_value</b> <i>optional</i>	Transition to cold storage option value	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>num_mount_targets</b> <i>optional</i>	Elastic File System's (EFS) number of mounted targets	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>size_in_bytes</b> <i>optional</i>	Elastic File System's (EFS) size in bytes	integer
<b>status</b> <i>optional</i>	Current status of the resource.	string



Name	Description	Schema
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean

#### 12.37.4. Produces

- `application/json`

## 12.38. Update an Elastic File System (EFS) of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/efs/{id}/
```

### 12.38.1. 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

### 12.38.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_efs_u</b> <b>pdate</b> <i>required</i>	<a href="#">data_aws_policies_targets_efs_update</a>

#### data\_aws\_policies\_targets\_efs\_update

Name	Description	Schema
<b>backup_iam_role_arn</b> <i>optional</i>	Backup IAM role ARN	string
<b>backup_vault_name</b> <i>optional</i>	AWS Backup vault name	string

Name	Description	Schema
<b>expire_option</b> <i>optional</i>	Expire option  <b>Allowed Enum Values</b> * 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)
<b>expire_option_value</b> <i>optional</i>	Expire option value	integer
<b>move_to_cold_storage_option</b> <i>optional</i>	Transition to cold storage option  <b>Allowed Enum Values</b> * N (Never) * D (Days after creation) * W (Weeks after creation) * M (Month after creation) * Y (Years after creation)	enum (N, D, W, M, Y)
<b>move_to_cold_storage_option_value</b> <i>optional</i>	Transition to cold storage option value	integer

### 12.38.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_efs_update</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>backup_iam_role_arn</b> <i>optional</i>	Backup IAM role ARN	string

Name	Description	Schema
<b>backup_vault_name</b> <i>optional</i>	AWS Backup vault name	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>expire_option</b> <i>optional</i>	Expire option  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* P (Policy Generations)</li> <li>* N (Never)</li> <li>* D (Days after creation)</li> <li>* W (Weeks after creation)</li> <li>* M (Month after creation)</li> <li>* Y (Years after creation)</li> </ul>	enum (P, N, D, W, M, Y)
<b>expire_option_value</b> <i>optional</i>	Expire option value	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>move_to_cold_storage_option</b> <i>optional</i>	Transition to cold storage option  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* N (Never)</li> <li>* D (Days after creation)</li> <li>* W (Weeks after creation)</li> <li>* M (Month after creation)</li> <li>* Y (Years after creation)</li> </ul>	enum (N, D, W, M, Y)
<b>move_to_cold_storage_option_value</b> <i>optional</i>	Transition to cold storage option value	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>num_mount_targets</b> <i>optional</i>	Elastic File System's (EFS) number of mounted targets	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>size_in_bytes</b> <i>optional</i>	Elastic File System's (EFS) size in bytes	integer
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean



#### 12.38.4. Consumes

- `application/json`

#### 12.38.5. Produces

- `application/json`

## 12.39. Delete an Elastic File System (EFS) from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/efs/{id}/
```

### 12.39.1. 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

### 12.39.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.39.3. Responses

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

## 12.40. Add a File System (FSx) to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/fsxs/
```

### 12.40.1. 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

### 12.40.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_fsxs_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_fsxs_create</a>

#### data\_aws\_policies\_targets\_fsxs\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them.  <b>Allowed Enum Values</b> * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 12.40.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_fsxs_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_targets\_fsxs\_create

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>filesystem_type</b> <i>optional</i>	FSx file system type ('LUSTRE' or 'WINDOWS').	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>status</b> <i>optional</i>	FSx status.	string
<b>storage_capacity_in_gb</b> <i>optional</i>	FSx capacity in GB.	integer
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them.  <b>Allowed Enum Values</b> * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 12.40.4. Consumes

- `application/json`

### 12.40.5. Produces

- `application/json`



## 12.41. List the protected File Systems (FSx) of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/fsxs/
```

### 12.41.1. 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:* 1.6.0

### 12.41.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	None	number

### 12.41.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_fsxs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_fsxs\_list**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>filesystem_type</b> <i>optional</i>	FSx file system type ('LUSTRE' or 'WINDOWS').	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>status</b> <i>optional</i>	FSx status.	string
<b>storage_capacity_in_gb</b> <i>optional</i>	FSx capacity in GB.	integer
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them.  <b>Allowed Enum Values</b> * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

#### 12.41.4. Produces

- `application/json`

## 12.42. Add an FSX volume to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/
```

### 12.42.1. 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**

### 12.42.2. Parameters

Type	Name	Schema
Path	<b>fsx_id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_fsxs_volumes_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_fsxs_volumes_create</a>

#### data\_aws\_policies\_targets\_fsxs\_volumes\_create

Name	Description	Schema
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string

### 12.42.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_fsxs_volumes_create</a>
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
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>junction_path</b> <i>optional</i>	FSX Volume Junction path.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>svm_id</b> <i>optional</i>	ID of the Storage virtual Machine current volume is attached to.	string
<b>volume_type</b> <i>optional</i>	AWS resource type.	string

**12.42.4. Consumes**

- `application/json`

**12.42.5. Produces**

- `application/json`

## 12.43. List the protected FSX volumes of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/
```

### 12.43.1. 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

### 12.43.2. Parameters

Type	Name	Description	Schema
Path	<b>fsx_id</b> <i>required</i>		string
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 12.43.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_fsxs_volumes_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_fsxs\_volumes\_list**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>junction_path</b> <i>optional</i>	FSX Volume Junction path.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>svm_id</b> <i>optional</i>	ID of the Storage virtual Machine current volume is attached to.	string
<b>volume_type</b> <i>optional</i>	AWS resource type.	string

#### 12.43.4. Produces

- `application/json`

## 12.44. Retrieve a protected FSX volume of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/{id}/
```

### 12.44.1. 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

### 12.44.2. Parameters

Type	Name	Schema
Path	<b>fsx_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.44.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_fsxs_volumes_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_fsxs\_volumes\_read

Name	Description	Schema
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string

Name	Description	Schema
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>junction_path</b> <i>optional</i>	FSX Volume Junction path.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>svm_id</b> <i>optional</i>	ID of the Storage virtual Machine current volume is attached to.	string
<b>volume_type</b> <i>optional</i>	AWS resource type.	string

#### 12.44.4. Produces

- `application/json`



## 12.45. Delete an FSX volume from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/fsxs/{fsx_id}/volumes/{id}/
```

### 12.45.1. 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

### 12.45.2. Parameters

Type	Name	Schema
Path	<b>fsx_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.45.3. Responses

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

## 12.46. Retrieve a protected File System (FSx) of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/fsxs/{id}/
```

### 12.46.1. 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:* 1.6.0

### 12.46.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.46.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_fsxs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_fsxs\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string

Name	Description	Schema
<b>filesystem_type</b> <i>optional</i>	FSx file system type ('LUSTRE' or 'WINDOWS').	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>status</b> <i>optional</i>	FSx status.	string
<b>storage_capacity_in_gb</b> <i>optional</i>	FSx capacity in GB.	integer
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them.  <b>Allowed Enum Values</b> * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

#### 12.46.4. Produces

- `application/json`

## 12.47. Update an ONTAP File System (FSx) of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/fsxs/{id}/
```

### 12.47.1. Description

This endpoint updates an ONTAP 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:* 2.1.0

### 12.47.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_fsxs_update</b> <i>required</i>	<a href="#">data_aws_policies_targets_fsxs_update</a>

#### data\_aws\_policies\_targets\_fsxs\_update

Name	Description	Schema
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them.  <b>Allowed Enum Values</b> * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 12.47.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_fsxs_update</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>filesystem_type</b> <i>optional</i>	FSx file system type ('LUSTRE' or 'WINDOWS').	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>status</b> <i>optional</i>	FSx status.	string
<b>storage_capacity_in_gb</b> <i>optional</i>	FSx capacity in GB.	integer
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the FSX, or include or exclude some of them.  <b>Allowed Enum Values</b> * A (All Volumes) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 12.47.4. Consumes

- `application/json`



## 12.47.5. Produces

- `application/json`

## 12.48. Delete an File System (FSx) from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/fsxs/{id}/
```

### 12.48.1. 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

### 12.48.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.48.3. Responses

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

## 12.49. Add an EC2 instance to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/instances/
```

### 12.49.1. 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

### 12.49.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_instances_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_instances_create</a>

#### data\_aws\_policies\_targets\_instances\_create

Name	Description	Schema
<b>ami_backup_option</b> <i>optional</i>	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation.  <b>Allowed Enum Values</b> * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
<b>ami_reboot_option</b> <i>optional</i>	Choose whether to reboot the instance during AMI creation.	boolean



Name	Description	Schema
<b>application_consistent_backup</b> <i>optional</i>	Application consistent backup parameters. Only applicable for Windows OS.	<a href="#">data_aws_policies_targets_instances_create_application_consistent_backup</a>
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>force_full_s3_copy</b> <i>optional</i>	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them.  <b>Allowed Enum Values</b> * 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
<b>agent_script_timeout</b> <i>optional</i>		integer
<b>collect_script_output</b> <i>optional</i>		boolean
<b>enable_agent_scripts</b> <i>optional</i>		boolean
<b>enable_agent_vss</b> <i>optional</i>		boolean
<b>proceed_if_before_script_failed</b> <i>optional</i>		boolean
<b>remote_agent_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
<b>use_remote_agent</b> <i>optional</i>		boolean
<b>vss_volumes</b> <i>optional</i>		string

### 12.49.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_instances_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_targets\_instances\_create

Name	Description	Schema
<b>ami_backup_option</b> <i>optional</i>	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation.  <b>Allowed Enum Values</b> * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
<b>ami_reboot_option</b> <i>optional</i>	Choose whether to reboot the instance during AMI creation.	boolean
<b>application_consistent_backup</b> <i>optional</i>	Application consistent backup parameters. Only applicable for Windows OS.	<a href="#">response_aws_policies_targets_instances_create_application_consistent_backup</a>
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>force_full_s3_copy</b> <i>optional</i>	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
<b>has_product_code</b> <i>optional</i>	Indicates whether the instance was purchased from marketplace.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>is_sap_hana_db_attached</b> <i>optional</i>	Whether this instance is configured to run native Sap Hana DB backup.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>platform</b> <i>optional</i>	Resource platform.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	Current state of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them.  <b>Allowed Enum Values</b> * 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
<b>agent_script_timeout</b> <i>optional</i>		integer
<b>collect_script_output</b> <i>optional</i>		boolean
<b>enable_agent_scripts</b> <i>optional</i>		boolean
<b>enable_agent_vss</b> <i>optional</i>		boolean
<b>proceed_if_before_script_failed</b> <i>optional</i>		boolean
<b>remote_agent_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)

Name	Description	Schema
<b>use_remote_agent</b> <i>optional</i>		boolean
<b>vss_volumes</b> <i>optional</i>		string

#### 12.49.4. Consumes

- `application/json`

#### 12.49.5. Produces

- `application/json`

## 12.50. List the protected EC2 instances of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/
```

### 12.50.1. 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

### 12.50.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	None	number

### 12.50.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_instances_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_instances\_list**

Name	Description	Schema
<b>ami_backup_option</b> <i>optional</i>	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation.  <b>Allowed Enum Values</b> * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
<b>ami_reboot_option</b> <i>optional</i>	Choose whether to reboot the instance during AMI creation.	boolean
<b>application_consistent_backup</b> <i>optional</i>	Application consistent backup parameters. Only applicable for Windows OS.	<a href="#">response_aws_policies_targets_instances_list_application_consistent_backup</a>
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>force_full_s3_copy</b> <i>optional</i>	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
<b>has_product_code</b> <i>optional</i>	Indicates whether the instance was purchased from marketplace.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>is_sap_hana_db_attached</b> <i>optional</i>	Whether this instance is configured to run native Sap Hana DB backup.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>platform</b> <i>optional</i>	Resource platform.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string

Name	Description	Schema
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	Current state of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them.  <b>Allowed Enum Values</b> * 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
<b>agent_script_timeout</b> <i>optional</i>		integer
<b>collect_script_output</b> <i>optional</i>		boolean
<b>enable_agent_scripts</b> <i>optional</i>		boolean
<b>enable_agent_vss</b> <i>optional</i>		boolean
<b>proceed_if_before_script_failed</b> <i>optional</i>		boolean
<b>remote_agent_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
<b>use_remote_agent</b> <i>optional</i>		boolean
<b>vss_volumes</b> <i>optional</i>		string

**12.50.4. Produces**

- `application/json`

## 12.51. Retrieve a protected EC2 instance of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/{id}/
```

### 12.51.1. 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

### 12.51.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.51.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_instances_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_aws\_policies\_targets\_instances\_read**



Name	Description	Schema
<b>ami_backup_option</b> <i>optional</i>	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation.  <b>Allowed Enum Values</b> * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
<b>ami_reboot_option</b> <i>optional</i>	Choose whether to reboot the instance during AMI creation.	boolean
<b>application_consistent_backup</b> <i>optional</i>	Application consistent backup parameters. Only applicable for Windows OS.	<a href="#">response_aws_policies_targets_instances_read_application_consistent_backup</a>
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>force_full_s3_copy</b> <i>optional</i>	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
<b>has_product_code</b> <i>optional</i>	Indicates whether the instance was purchased from marketplace.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>is_sap_hana_db_attached</b> <i>optional</i>	Whether this instance is configured to run native Sap Hana DB backup.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>platform</b> <i>optional</i>	Resource platform.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string

Name	Description	Schema
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	Current state of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them.  <b>Allowed Enum Values</b> * 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
<b>agent_script_timeout</b> <i>optional</i>		integer
<b>collect_script_output</b> <i>optional</i>		boolean
<b>enable_agent_scripts</b> <i>optional</i>		boolean
<b>enable_agent_vss</b> <i>optional</i>		boolean
<b>proceed_if_before_script_failed</b> <i>optional</i>		boolean
<b>remote_agent_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
<b>use_remote_agent</b> <i>optional</i>		boolean
<b>vss_volumes</b> <i>optional</i>		string

**12.51.4. Produces**

- `application/json`

## 12.52. Update an EC2 instance of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/instances/{id}/
```

### 12.52.1. 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

### 12.52.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_instances_update</b> <i>required</i>	<a href="#">data_aws_policies_targets_instances_update</a>

#### data\_aws\_policies\_targets\_instances\_update

Name	Description	Schema
<b>ami_backup_option</b> <i>optional</i>	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation.  <b>Allowed Enum Values</b> * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
<b>ami_reboot_option</b> <i>optional</i>	Choose whether to reboot the instance during AMI creation.	boolean

Name	Description	Schema
<b>application_consistent_backup</b> <i>optional</i>	Application consistent backup parameters. Only applicable for Windows OS.	<a href="#">data_aws_policies_targets_instances_update_application_consistent_backup</a>
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>force_full_s3_copy</b> <i>optional</i>	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them.  <b>Allowed Enum Values</b> * 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
<b>agent_script_timeout</b> <i>optional</i>		integer
<b>collect_script_output</b> <i>optional</i>		boolean
<b>enable_agent_scripts</b> <i>optional</i>		boolean
<b>enable_agent_vss</b> <i>optional</i>		boolean
<b>proceed_if_before_script_failed</b> <i>optional</i>		boolean
<b>remote_agent_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)
<b>use_remote_agent</b> <i>optional</i>		boolean
<b>vss_volumes</b> <i>optional</i>		string

**12.52.3. Responses**

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_instances_update</a>
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
<b>ami_backup_option</b> <i>optional</i>	Choose whether to take only snapshots, take an initial AMI and then snapshots, or just schedule AMI creation.  <b>Allowed Enum Values</b> * N (No AMI) * S (Single AMI) * O (Only AMI)	enum (N, S, O)
<b>ami_reboot_option</b> <i>optional</i>	Choose whether to reboot the instance during AMI creation.	boolean
<b>application_consistent_backup</b> <i>optional</i>	Application consistent backup parameters. Only applicable for Windows OS.	<a href="#">response_aws_policies_targets_instances_update_application_consistent_backup</a>
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>aws_root_device</b> <i>optional</i>	Instance's root device.	string
<b>force_full_s3_copy</b> <i>optional</i>	If enabled, when the next backup of the policy is copied to S3, this instance will be copied as Full instead of Incremental.	boolean
<b>has_product_code</b> <i>optional</i>	Indicates whether the instance was purchased from marketplace.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>is_sap_hana_db_attached</b> <i>optional</i>	Whether this instance is configured to run native Sap Hana DB backup.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>platform</b> <i>optional</i>	Resource platform.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	Current state of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>which_volumes</b> <i>optional</i>	Choose whether to back up all the volumes attached to the instance, or include or exclude some of them.  <b>Allowed Enum Values</b> * 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
<b>agent_script_timeout</b> <i>optional</i>		integer
<b>collect_script_output</b> <i>optional</i>		boolean
<b>enable_agent_scripts</b> <i>optional</i>		boolean
<b>enable_agent_vss</b> <i>optional</i>		boolean
<b>proceed_if_before_script_failed</b> <i>optional</i>		boolean
<b>remote_agent_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * C (N2WS Backup & Recovery (CPM) Remote Agent.) * S (Amazon Simple Systems Manager (SSM).)	enum (C, S)

Name	Description	Schema
<b>use_remote_agent</b> <i>optional</i>		boolean
<b>vss_volumes</b> <i>optional</i>		string

#### 12.52.4. Consumes

- `application/json`

#### 12.52.5. Produces

- `application/json`

## 12.53. Delete an EC2 instance from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/instances/{id}/
```

### 12.53.1. 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

### 12.53.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.53.3. Responses

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



## 12.54. Add a Sap Hana DB to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/
```

### 12.54.1. 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

### 12.54.2. Parameters

Type	Name	Schema
Path	<b>instance_id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_instances_sap_hana_db_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_instances_sap_hana_db_create</a>

#### data\_aws\_policies\_targets\_instances\_sap\_hana\_db\_create

Name	Description	Schema
<b>hana_instance_number</b> <i>required</i>	Sap Hana DB Instance Number.	integer
<b>hana_sid</b> <i>required</i>	Sap Hana DB System ID.	string
<b>repository</b> <i>required</i>	S3 repository Sap Hana DB is backed-up to.	integer
<b>s3_kms_key</b> <i>optional</i>	AWS S3 KMS key attached to selected S3 bucket.	string

Name	Description	Schema
<b>sap_hana_user</b> <i>required</i>	Username for Sap Hana DB connection.	string
<b>sap_hana_user_password</b> <i>optional</i>	Password for Sap Hana DB connection.	string

### 12.54.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_instances_sap_hana_db_create</a>
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
<b>hana_instance_number</b> <i>optional</i>	Sap Hana DB Instance Number.	integer
<b>hana_sid</b> <i>optional</i>	Sap Hana DB System ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>repository</b> <i>optional</i>	S3 repository Sap Hana DB is backed-up to.	integer
<b>s3_kms_key</b> <i>optional</i>	AWS S3 KMS key attached to selected S3 bucket.	string
<b>sap_hana_user</b> <i>optional</i>	Username for Sap Hana DB connection.	string

### 12.54.4. Consumes

- `application/json`

### 12.54.5. Produces

- `application/json`

## 12.55. List the protected Sap Hana DBs of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/
```

### 12.55.1. 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

### 12.55.2. Parameters

Type	Name	Description	Schema
Path	<b>instance_id</b> <i>required</i>		string
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 12.55.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_instances_sap_hana_db_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_instances\_sap\_hana\_db\_list**

Name	Description	Schema
<b>hana_instance_number</b> <i>optional</i>	Sap Hana DB Instance Number.	integer
<b>hana_sid</b> <i>optional</i>	Sap Hana DB System ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>repository</b> <i>optional</i>	S3 repository Sap Hana DB is backed-up to.	integer
<b>s3_kms_key</b> <i>optional</i>	AWS S3 KMS key attached to selected S3 bucket.	string
<b>sap_hana_user</b> <i>optional</i>	Username for Sap Hana DB connection.	string

#### 12.55.4. Produces

- `application/json`

## 12.56. Retrieve a protected Sap Hana DB of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
```

### 12.56.1. 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

### 12.56.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>instance_id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.56.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_instances_sap_hana_db_read</a>
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
<b>hana_instance_number</b> <i>optional</i>	Sap Hana DB Instance Number.	integer

Name	Description	Schema
<b>hana_sid</b> <i>optional</i>	Sap Hana DB System ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>repository</b> <i>optional</i>	S3 repository Sap Hana DB is backed-up to.	integer
<b>s3_kms_key</b> <i>optional</i>	AWS S3 KMS key attached to selected S3 bucket.	string
<b>sap_hana_user</b> <i>optional</i>	Username for Sap Hana DB connection.	string

#### 12.56.4. Produces

- `application/json`

## 12.57. Update a Sap Hana DB of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
```

### 12.57.1. 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

### 12.57.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>instance_id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_instances_sap_hana_db_update</b> <i>required</i>	<a href="#">data_aws_policies_targets_instances_sap_hana_db_update</a>

#### data\_aws\_policies\_targets\_instances\_sap\_hana\_db\_update

Name	Description	Schema
<b>repository</b> <i>required</i>	S3 repository Sap Hana DB is backed-up to.	integer
<b>s3_kms_key</b> <i>optional</i>	AWS S3 KMS key attached to selected S3 bucket.	string
<b>sap_hana_user</b> <i>required</i>	Username for Sap Hana DB connection.	string
<b>sap_hana_user_password</b> <i>optional</i>	Password for Sap Hana DB connection.	string

### 12.57.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_instances_sap_hana_db_update</a>
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
<b>hana_instance_number</b> <i>optional</i>	Sap Hana DB Instance Number.	integer
<b>hana_sid</b> <i>optional</i>	Sap Hana DB System ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>repository</b> <i>optional</i>	S3 repository Sap Hana DB is backed-up to.	integer
<b>s3_kms_key</b> <i>optional</i>	AWS S3 KMS key attached to selected S3 bucket.	string
<b>sap_hana_user</b> <i>optional</i>	Username for Sap Hana DB connection.	string

### 12.57.4. Consumes

- `application/json`

### 12.57.5. Produces

- `application/json`



## 12.58. Delete a Sap Hana DB from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/instances/{instance_id}/sap_hana_db/{id}/
```

### 12.58.1. 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

### 12.58.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>instance_id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.58.3. Responses

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

## 12.59. Add an EC2 volume to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/
```

### 12.59.1. 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

### 12.59.2. Parameters

Type	Name	Schema
Path	<b>instance_id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_instances_volumes_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_instances_volumes_create</a>

#### data\_aws\_policies\_targets\_instances\_volumes\_create

Name	Description	Schema
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string

### 12.59.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_instances_volumes_create</a>
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
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>device</b> <i>optional</i>	Device attached to the volume.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>throughput</b> <i>optional</i>		integer
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**12.59.4. Consumes**

- `application/json`

**12.59.5. Produces**

- `application/json`

## 12.60. List the protected EC2 volumes of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/
```

### 12.60.1. 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

### 12.60.2. Parameters

Type	Name	Description	Schema
Path	<b>instance_id</b> <i>required</i>		string
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 12.60.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_instances_volumes_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_instances\_volumes\_list**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>device</b> <i>optional</i>	Device attached to the volume.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>throughput</b> <i>optional</i>		integer
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

### 12.60.4. Produces

- `application/json`

## 12.61. Retrieve a protected EC2 volume of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/{id}/
```

### 12.61.1. 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

### 12.61.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>instance_id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.61.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_instances_volumes_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_instances\_volumes\_read

Name	Description	Schema
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>device</b> <i>optional</i>	Device attached to the volume.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>throughput</b> <i>optional</i>		integer
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 12.61.4. Produces

- `application/json`

## 12.62. Delete an EC2 volume from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/instances/{instance_id}/volumes/{id}/
```

### 12.62.1. 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

### 12.62.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>instance_id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	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 a RDS cluster to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/rds_clusters/
```

### 12.63.1. 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

### 12.63.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_rds_clusters_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_rds_clusters_create</a>

#### data\_aws\_policies\_targets\_rds\_clusters\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string

### 12.63.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_rds_clusters_create</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>engine_mode</b> <i>optional</i>	The DB engine mode of the DB cluster.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**12.63.4. Consumes**

- `application/json`

**12.63.5. Produces**

- `application/json`

## 12.64. List the protected RDS clusters of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/rds_clusters/
```

### 12.64.1. 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

### 12.64.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	None	number

### 12.64.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_rds_clusters_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_rds\_clusters\_list**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>engine_mode</b> <i>optional</i>	The DB engine mode of the DB cluster.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 12.64.4. Produces

- `application/json`

## 12.65. Retrieve a protected RDS cluster of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/rds_clusters/{id}/
```

### 12.65.1. 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

### 12.65.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.65.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_rds_clusters_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_rds\_clusters\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string

Name	Description	Schema
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>engine_mode</b> <i>optional</i>	The DB engine mode of the DB cluster.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 12.65.4. Produces

- `application/json`

## 12.66. Delete a RDS cluster from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/rds_clusters/{id}/
```

### 12.66.1. 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

### 12.66.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	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 database to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/rds_databases/
```

### 12.67.1. 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

### 12.67.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_rds_databases_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_rds_databases_create</a>

#### data\_aws\_policies\_targets\_rds\_databases\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string
<b>connection_password</b> <i>optional</i>		string
<b>connection_usr</b> <i>optional</i>		string
<b>using_iam_role_authentication</b> <i>optional</i>		boolean



Name	Description	Schema
<b>worker_aws_key_pair</b> <i>optional</i>	AWS Key pair to use when launching worker for schema collection	string
<b>worker_aws_security_group</b> <i>optional</i>	AWS Security group to use when launching worker for schema collection	string
<b>worker_aws_subnet</b> <i>optional</i>	AWS VPC Subnet to use when launching worker for schema collection	string
<b>worker_aws_vpc</b> <i>optional</i>	AWS VPC to use when launching worker for schema collection	string
<b>worker_http_proxy_address</b> <i>optional</i>	Address of HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_password</b> <i>optional</i>	Password for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_port</b> <i>optional</i>	Port of HTTP Proxy used by the worker launched for schema collection	integer
<b>worker_http_proxy_user_name</b> <i>optional</i>	Username for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_requires_http_proxy</b> <i>optional</i>	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean

### 12.67.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_rds_databases_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_targets\_rds\_databases\_create

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_vpc</b> <i>optional</i>	ID of VPC.	string

Name	Description	Schema
<b>can_be_copied_to_s3</b> <i>optional</i>	Indicates whether snapshot copy to S3 is supported for this DB instance, based on DB Engine and Engine Version	boolean
<b>connection_url</b> <i>optional</i>		string
<b>connection_usr</b> <i>optional</i>		string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>multi_az</b> <i>optional</i>	Whether to launch the resource in a multi-AZ configuration or not.	boolean
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>storage_type</b> <i>optional</i>	Storage type.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>using_iam_role_authentication</b> <i>optional</i>		boolean
<b>worker_aws_key_pair</b> <i>optional</i>	AWS Key pair to use when launching worker for schema collection	string
<b>worker_aws_security_group</b> <i>optional</i>	AWS Security group to use when launching worker for schema collection	string
<b>worker_aws_subnet</b> <i>optional</i>	AWS VPC Subnet to use when launching worker for schema collection	string
<b>worker_aws_vpc</b> <i>optional</i>	AWS VPC to use when launching worker for schema collection	string
<b>worker_http_proxy_address</b> <i>optional</i>	Address of HTTP Proxy used by the worker launched for schema collection	string

Name	Description	Schema
<b>worker_http_proxy_port</b> <i>optional</i>	Port of HTTP Proxy used by the worker launched for schema collection	integer
<b>worker_http_proxy_user_name</b> <i>optional</i>	Username for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_requires_http_proxy</b> <i>optional</i>	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 12.67.4. Consumes

- `application/json`

#### 12.67.5. Produces

- `application/json`

## 12.68. List the protected RDS databases of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/rds_databases/
```

### 12.68.1. 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

### 12.68.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	None	number

### 12.68.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_rds_databases_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_rds\_databases\_list**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_vpc</b> <i>optional</i>	ID of VPC.	string
<b>can_be_copied_to_s3</b> <i>optional</i>	Indicates whether snapshot copy to S3 is supported for this DB instance, based on DB Engine and Engine Version	boolean
<b>connection_url</b> <i>optional</i>		string
<b>connection_usr</b> <i>optional</i>		string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>multi_az</b> <i>optional</i>	Whether to launch the resource in a multi-AZ configuration or not.	boolean
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>storage_type</b> <i>optional</i>	Storage type.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>using_iam_role_authentication</b> <i>optional</i>		boolean
<b>worker_aws_key_pair</b> <i>optional</i>	AWS Key pair to use when launching worker for schema collection	string

Name	Description	Schema
<b>worker_aws_security_group</b> <i>optional</i>	AWS Security group to use when launching worker for schema collection	string
<b>worker_aws_subnet</b> <i>optional</i>	AWS VPC Subnet to use when launching worker for schema collection	string
<b>worker_aws_vpc</b> <i>optional</i>	AWS VPC to use when launching worker for schema collection	string
<b>worker_http_proxy_address</b> <i>optional</i>	Address of HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_port</b> <i>optional</i>	Port of HTTP Proxy used by the worker launched for schema collection	integer
<b>worker_http_proxy_user_name</b> <i>optional</i>	Username for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_requires_http_proxy</b> <i>optional</i>	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 12.68.4. Produces

- `application/json`

## 12.69. Retrieve a protected RDS database of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/rds_databases/{id}/
```

### 12.69.1. 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

### 12.69.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.69.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_rds_databases_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_rds\_databases\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_vpc</b> <i>optional</i>	ID of VPC.	string
<b>can_be_copied_to_s3</b> <i>optional</i>	Indicates whether snapshot copy to S3 is supported for this DB instance, based on DB Engine and Engine Version	boolean
<b>connection_url</b> <i>optional</i>		string
<b>connection_usr</b> <i>optional</i>		string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>multi_az</b> <i>optional</i>	Whether to launch the resource in a multi-AZ configuration or not.	boolean
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>storage_type</b> <i>optional</i>	Storage type.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>using_iam_role_authentication</b> <i>optional</i>		boolean
<b>worker_aws_key_pair</b> <i>optional</i>	AWS Key pair to use when launching worker for schema collection	string
<b>worker_aws_security_group</b> <i>optional</i>	AWS Security group to use when launching worker for schema collection	string
<b>worker_aws_subnet</b> <i>optional</i>	AWS VPC Subnet to use when launching worker for schema collection	string



Name	Description	Schema
<b>worker_aws_vpc</b> <i>optional</i>	AWS VPC to use when launching worker for schema collection	string
<b>worker_http_proxy_address</b> <i>optional</i>	Address of HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_port</b> <i>optional</i>	Port of HTTP Proxy used by the worker launched for schema collection	integer
<b>worker_http_proxy_user_name</b> <i>optional</i>	Username for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_requires_http_proxy</b> <i>optional</i>	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

### 12.69.4. Produces

- `application/json`

## 12.70. Update an RDS Database of a N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/rds_databases/{id}/
```

### 12.70.1. 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

### 12.70.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_rds_databases_update</b> <i>required</i>	<a href="#">data_aws_policies_targets_rds_databases_update</a>

#### data\_aws\_policies\_targets\_rds\_databases\_update

Name	Description	Schema
<b>connection_password</b> <i>optional</i>		string
<b>connection_usr</b> <i>optional</i>		string
<b>using_iam_role_authentication</b> <i>optional</i>		boolean
<b>worker_aws_key_pair</b> <i>optional</i>	AWS Key pair to use when launching worker for schema collection	string
<b>worker_aws_security_group</b> <i>optional</i>	AWS Security group to use when launching worker for schema collection	string

Name	Description	Schema
<b>worker_aws_subnet</b> <i>optional</i>	AWS VPC Subnet to use when launching worker for schema collection	string
<b>worker_aws_vpc</b> <i>optional</i>	AWS VPC to use when launching worker for schema collection	string
<b>worker_http_proxy_address</b> <i>optional</i>	Address of HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_password</b> <i>optional</i>	Password for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_port</b> <i>optional</i>	Port of HTTP Proxy used by the worker launched for schema collection	integer
<b>worker_http_proxy_user_name</b> <i>optional</i>	Username for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_requires_http_proxy</b> <i>optional</i>	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean

### 12.70.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_rds_databases_update</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_vpc</b> <i>optional</i>	ID of VPC.	string
<b>can_be_copied_to_s3</b> <i>optional</i>	Indicates whether snapshot copy to S3 is supported for this DB instance, based on DB Engine and Engine Version	boolean

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>connection_url</b> <i>optional</i>		string
<b>connection_usr</b> <i>optional</i>		string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>multi_az</b> <i>optional</i>	Whether to launch the resource in a multi-AZ configuration or not.	boolean
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>storage_type</b> <i>optional</i>	Storage type.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>using_iam_role_authentication</b> <i>optional</i>		boolean
<b>worker_aws_key_pair</b> <i>optional</i>	AWS Key pair to use when launching worker for schema collection	string
<b>worker_aws_security_group</b> <i>optional</i>	AWS Security group to use when launching worker for schema collection	string
<b>worker_aws_subnet</b> <i>optional</i>	AWS VPC Subnet to use when launching worker for schema collection	string
<b>worker_aws_vpc</b> <i>optional</i>	AWS VPC to use when launching worker for schema collection	string
<b>worker_http_proxy_address</b> <i>optional</i>	Address of HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_port</b> <i>optional</i>	Port of HTTP Proxy used by the worker launched for schema collection	integer

Name	Description	Schema
<b>worker_http_proxy_user_name</b> <i>optional</i>	Username for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_requires_http_proxy</b> <i>optional</i>	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 12.70.4. Consumes

- `application/json`

#### 12.70.5. Produces

- `application/json`

## 12.71. Delete a RDS database from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/rds_databases/{id}/
```

### 12.71.1. 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

### 12.71.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.71.3. Responses

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

## 12.72. Add a Redshift cluster to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/redshift_clusters/
```

### 12.72.1. 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

### 12.72.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_redshift_clusters_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_redshift_clusters_create</a>

#### data\_aws\_policies\_targets\_redshift\_clusters\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string

### 12.72.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_redshift_clusters_create</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>node_storage</b> <i>optional</i>	Capacity of the node resource (in GiB).	integer
<b>node_type</b> <i>optional</i>	Node type.	string
<b>nodes</b> <i>optional</i>	Nodes number	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**12.72.4. Consumes**

- `application/json`

**12.72.5. Produces**

- `application/json`



## 12.73. List the protected Redshift clusters of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/redshift_clusters/
```

### 12.73.1. 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

### 12.73.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	None	number

### 12.73.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_redshift_clusters_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_redshift\_clusters\_list**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>node_storage</b> <i>optional</i>	Capacity of the node resource (in GiB).	integer
<b>node_type</b> <i>optional</i>	Node type.	string
<b>nodes</b> <i>optional</i>	Nodes number	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

### 12.73.4. Produces

- `application/json`

## 12.74. Retrieve a protected Redshift cluster of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/redshift_clusters/{id}/
```

### 12.74.1. 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

### 12.74.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.74.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_redshift_clusters_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_redshift\_clusters\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string

Name	Description	Schema
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>node_storage</b> <i>optional</i>	Capacity of the node resource (in GiB).	integer
<b>node_type</b> <i>optional</i>	Node type.	string
<b>nodes</b> <i>optional</i>	Nodes number	integer
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 12.74.4. Produces

- `application/json`

## 12.75. Delete a Redshift cluster from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/redshift_clusters/{id}/
```

### 12.75.1. 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

### 12.75.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	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 S3 Sync target to N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/s3syncs/
```

### 12.76.1. 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

### 12.76.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_s3syncs_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_s3syncs_create</a>

**data\_aws\_policies\_targets\_s3syncs\_create**

Name	Description	Schema
<b>delete_extra</b> <i>optional</i>	Optional flag whether to delete files in the destination that are absent in source.	boolean
<b>destination_account</b> <i>optional</i>		integer
<b>destination_bucket_name</b> <i>required</i>	Name of the destination bucket.	string
<b>destination_prefix</b> <i>optional</i>	Optional prefix path of the destination bucket.	string
<b>keep_source_prefix</b> <i>optional</i>	Optional flag whether to keep source prefix at destination objects.	boolean
<b>name</b> <i>required</i>	Name of the resource.	string

Name	Description	Schema
<b>source_prefix</b> <i>optional</i>	Optional prefix path of the source bucket.	string
<b>storage_class</b> <i>optional</i>	Optional character representing the storage class.  <b>Allowed Enum Values</b> * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

### 12.76.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_s3syncs_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_targets\_s3syncs\_create

Name	Description	Schema
<b>creation_date</b> <i>optional</i>		string
<b>delete_extra</b> <i>optional</i>	Optional flag whether to delete files in the destination that are absent in source.	boolean
<b>destination_account</b> <i>optional</i>		integer
<b>destination_bucket_name</b> <i>optional</i>	Name of the destination bucket.	string
<b>destination_prefix</b> <i>optional</i>	Optional prefix path of the destination bucket.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_encrypted</b> <i>optional</i>		boolean
<b>keep_source_prefix</b> <i>optional</i>	Optional flag whether to keep source prefix at destination objects.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string

Name	Description	Schema
<b>source_prefix</b> <i>optional</i>	Optional prefix path of the source bucket.	string
<b>status</b> <i>optional</i>		string
<b>storage_class</b> <i>optional</i>	Optional character representing the storage class.  <b>Allowed Enum Values</b> * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

#### 12.76.4. Consumes

- `application/json`

#### 12.76.5. Produces

- `application/json`



## 12.77. List S3 sync targets of N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/s3syncs/
```

### 12.77.1. 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

### 12.77.2. Parameters

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

### 12.77.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_s3syncs_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_policies\_targets\_s3syncs\_list

Name	Description	Schema
<b>creation_date</b> <i>optional</i>		string

Name	Description	Schema
<b>delete_extra</b> <i>optional</i>	Optional flag whether to delete files in the destination that are absent in source.	boolean
<b>destination_account</b> <i>optional</i>		integer
<b>destination_bucket_name</b> <i>optional</i>	Name of the destination bucket.	string
<b>destination_prefix</b> <i>optional</i>	Optional prefix path of the destination bucket.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_encrypted</b> <i>optional</i>		boolean
<b>keep_source_prefix</b> <i>optional</i>	Optional flag whether to keep source prefix at destination objects.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>source_prefix</b> <i>optional</i>	Optional prefix path of the source bucket.	string
<b>status</b> <i>optional</i>		string
<b>storage_class</b> <i>optional</i>	Optional character representing the storage class.  <b>Allowed Enum Values</b> * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

### 12.77.4. Produces

- `application/json`

## 12.78. Retrieve a S3 Sync target of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/s3syncs/{id}/
```

### 12.78.1. 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

### 12.78.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.78.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_s3syncs_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_s3syncs\_read

Name	Description	Schema
<b>creation_date</b> <i>optional</i>		string
<b>delete_extra</b> <i>optional</i>	Optional flag whether to delete files in the destination that are absent in source.	boolean

Name	Description	Schema
<b>destination_account</b> <i>optional</i>		integer
<b>destination_bucket_name</b> <i>optional</i>	Name of the destination bucket.	string
<b>destination_prefix</b> <i>optional</i>	Optional prefix path of the destination bucket.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_encrypted</b> <i>optional</i>		boolean
<b>keep_source_prefix</b> <i>optional</i>	Optional flag whether to keep source prefix at destination objects.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>source_prefix</b> <i>optional</i>	Optional prefix path of the source bucket.	string
<b>status</b> <i>optional</i>		string
<b>storage_class</b> <i>optional</i>	Optional character representing the storage class.  <b>Allowed Enum Values</b> * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

#### 12.78.4. Produces

- `application/json`

## 12.79. Update a S3 Sync target to N2WS policy

```
PUT /api/aws/policies/{policy_id}/targets/s3syncs/{id}/
```

### 12.79.1. 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

### 12.79.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_s3syncs_update</b> <i>required</i>	<a href="#">data_aws_policies_targets_s3syncs_update</a>

**data\_aws\_policies\_targets\_s3syncs\_update**

Name	Description	Schema
<b>delete_extra</b> <i>optional</i>	Optional flag whether to delete files in the destination that are absent in source.	boolean
<b>destination_account</b> <i>optional</i>		integer
<b>destination_bucket_name</b> <i>required</i>	Name of the destination bucket.	string
<b>destination_prefix</b> <i>optional</i>	Optional prefix path of the destination bucket.	string
<b>keep_source_prefix</b> <i>optional</i>	Optional flag whether to keep source prefix at destination objects.	boolean

Name	Description	Schema
<b>name</b> <i>required</i>	Name of the resource.	string
<b>source_prefix</b> <i>optional</i>	Optional prefix path of the source bucket.	string
<b>storage_class</b> <i>optional</i>	Optional character representing the storage class.  <b>Allowed Enum Values</b> * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

### 12.79.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_s3syncs_update</a>
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
<b>creation_date</b> <i>optional</i>		string
<b>delete_extra</b> <i>optional</i>	Optional flag whether to delete files in the destination that are absent in source.	boolean
<b>destination_account</b> <i>optional</i>		integer
<b>destination_bucket_name</b> <i>optional</i>	Name of the destination bucket.	string
<b>destination_prefix</b> <i>optional</i>	Optional prefix path of the destination bucket.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_encrypted</b> <i>optional</i>		boolean
<b>keep_source_prefix</b> <i>optional</i>	Optional flag whether to keep source prefix at destination objects.	boolean

Name	Description	Schema
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>source_prefix</b> <i>optional</i>	Optional prefix path of the source bucket.	string
<b>status</b> <i>optional</i>		string
<b>storage_class</b> <i>optional</i>	Optional character representing the storage class.  <b>Allowed Enum Values</b> * S (STANDARD) * R (REDUCED_REDUNDANCY) * I (STANDARD_IA)	enum (S, R, I)

#### 12.79.4. Consumes

- `application/json`

#### 12.79.5. Produces

- `application/json`

## 12.80. Delete a S3 Sync target from N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/s3syncs/{id}/
```

### 12.80.1. 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

### 12.80.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.80.3. Responses

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



## 12.81. Add an EC2 volume to a N2WS policy

```
POST /api/aws/policies/{policy_id}/targets/volumes/
```

### 12.81.1. 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

### 12.81.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_aws_policies_targets_volumes_create</b> <i>required</i>	<a href="#">data_aws_policies_targets_volumes_create</a>

#### data\_aws\_policies\_targets\_volumes\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string

### 12.81.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_policies_targets_volumes_create</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>throughput</b> <i>optional</i>		integer
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

**12.81.4. Consumes**

- `application/json`



## 12.81.5. Produces

- `application/json`

## 12.82. List the protected EC2 volumes of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/volumes/
```

### 12.82.1. 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

### 12.82.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>region</b> <i>optional</i>	None	number

### 12.82.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_policies_targets_volumes_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_policies\_targets\_volumes\_list**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>throughput</b> <i>optional</i>		integer
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

### 12.82.4. Produces

- `application/json`

## 12.83. Retrieve a protected EC2 volume of a N2WS policy

```
GET /api/aws/policies/{policy_id}/targets/volumes/{id}/
```

### 12.83.1. 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

### 12.83.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 12.83.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_policies_targets_volumes_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_policies\_targets\_volumes\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>capacity</b> <i>optional</i>	Capacity of the resource (in GiB).	integer
<b>created</b> <i>optional</i>	Creation time of the resource.	string
<b>encrypted</b> <i>optional</i>	Whether the resource is encrypted or not.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>tagged</b> <i>optional</i>	Whether this resource has N2WS backup tag.	boolean
<b>throughput</b> <i>optional</i>		integer
<b>zone</b> <i>optional</i>	Availability zone of the resource.	string

#### 12.83.4. Produces

- `application/json`

## 12.84. Delete an EC2 volume from a N2WS policy

```
DELETE /api/aws/policies/{policy_id}/targets/volumes/{id}/
```

### 12.84.1. 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

### 12.84.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	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



# 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	< <a href="#">response_aws_prohibited_permissions_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_prohibited\_permissions\_list

Name	Description	Schema
<b>active</b> <i>optional</i>	Whether the prohibited permission is active or not.	boolean
<b>name</b> <i>optional</i>	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	<b>account</b> <i>optional</i>	Recovery associated account.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	string

Type	Name	Description	Schema
Query	<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	string
Query	<b>status</b> <i>optional</i>	Recovery status.	string
Query	<b>user</b> <i>optional</i>	Recovery associated user.	string

### 14.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_recoveries_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_recoveries\_list

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

Name	Description	Schema
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_recoveries_list_s3_recover_status</a>

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

**response\_aws\_recoveries\_list\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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
<b>progress_percent</b> <i>optional</i>		< integer > array

Name	Description	Schema
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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	<b>id</b> <i>required</i>	string

### 14.2.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_recoveries_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_recoveries\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer

Name	Description	Schema
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>glacier_retrieve_status</b> <i>optional</i>		<a href="#">response_aws_recoveries_read_glacier_retrieve_status</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_aws_region</b> <i>optional</i>	Recovery's source AWS region.	string
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_scenario_id</b> <i>optional</i>	N2WS recovery scenario id.	string
<b>recovery_scenario_name</b> <i>optional</i>	N2WS recovery scenario name.	string
<b>recovery_scenario_record</b> <i>optional</i>	Recovery scenario ID if related, NULL otherwise.	integer
<b>recovery_scenario_record_dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>recovery_scenario_record_start_time</b> <i>optional</i>	N2WS recovery scenario run start time.	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string

Name	Description	Schema
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> </ul>	enum (I, V, R, A, C, D, E, F, O, S)
<b>s3_recover_status</b> <i>optional</i>	Recover from S3 status (license dependent).	<a href="#">response_aws_recoveries_read_s3_recover_status</a>
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* P (In Progress)</li> <li>* R (Recovery Successful)</li> <li>* A (Recovery Partially Successful)</li> <li>* F (Recovery Failed)</li> </ul>	enum (P, R, A, F)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

**response\_aws\_recoveries\_read\_glacier\_retrieve\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* Z (Not started)</li> <li>* I (Initializing)</li> <li>* P (In Progress)</li> <li>* S (Completed Successfully)</li> <li>* V (All valid targets copied)</li> <li>* F (Failed)</li> <li>* G (Aborting)</li> <li>* A (Aborted)</li> <li>* R (Partially copied)</li> <li>* X (Expired)</li> <li>* D (All Snapshots Deleted)</li> <li>* K (Skipped)</li> </ul>	enum (Z, I, P, S, V, F, G, A, R, X, D, K)

**response\_aws\_recoveries\_read\_s3\_recover\_status**

Name	Description	Schema
<b>progress_percent</b> <i>optional</i>		< integer > array
<b>status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 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	<b>id</b> <i>required</i>	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

```
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	<b>id</b> <i>required</i>		string
Query	<b>severity</b> <i>optional</i>	None	string

### 14.4.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_recoveries_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_recoveries\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string

Name	Description	Schema
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	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	<b>recovery_id</b> <i>required</i>	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:* 2.1.0

### 15.1.2. Parameters

Type	Name	Schema
Body	<b>data_aws_recovery_scenarios_create</b> <i>required</i>	<a href="#">data_aws_recovery_scenarios_create</a>

#### data\_aws\_recovery\_scenarios\_create

Name	Description	Schema
<b>agent_script_timeout</b> <i>optional</i>	Timeout in seconds for the pre-script and post-script.	integer
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_secret_key</b> <i>optional</i>	AWS secret key - Part of AWS credentials.	string
<b>collect_script_output</b> <i>optional</i>	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enable_agent_scripts</b> <i>optional</i>	Flag whether to enable user pre-script and post-script.	boolean

Name	Description	Schema
<b>endure</b> <i>optional</i>	Flag whether to keep on recovering targets even after preceding failure.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>required</i>	ID of the policy this resource is associated with.	integer
<b>recipients</b> <i>optional</i>		< string > array
<b>recovery_destination_account</b> <i>optional</i>	N2WS Account ID for recovery destination.	integer
<b>recovery_destination_region</b> <i>optional</i>	N2WS DR region ID for recovery destination.	integer
<b>schedule</b> <i>optional</i>	Schedule ID associated with this recovery scenario for when to run.	integer
<b>schedule_running_option</b> <i>optional</i>	Running option for scheduled recovery scenario.  <b>Allowed Enum Values</b> * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
<b>use_account_aws_credentials</b> <i>optional</i>	Flag whether to use account or alternate credentials for recovery	boolean

### 15.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_recovery_scenarios_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_recovery\_scenarios\_create

Name	Description	Schema
<b>agent_script_timeout</b> <i>optional</i>	Timeout in seconds for the pre-script and post-script.	integer
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>collect_script_output</b> <i>optional</i>	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enable_agent_scripts</b> <i>optional</i>	Flag whether to enable user pre-script and post-script.	boolean
<b>endure</b> <i>optional</i>	Flag whether to keep on recovering targets even after preceding failure.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>recipients</b> <i>optional</i>		< string > array
<b>recovery_destination_account</b> <i>optional</i>	N2WS Account ID for recovery destination.	integer
<b>recovery_destination_region</b> <i>optional</i>	N2WS DR region ID for recovery destination.	integer
<b>schedule</b> <i>optional</i>	Schedule ID associated with this recovery scenario for when to run.	integer
<b>schedule_running_option</b> <i>optional</i>	Running option for scheduled recovery scenario.  <b>Allowed Enum Values</b> * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
<b>target_type_count</b> <i>optional</i>	Holds the count for each target type in the recovery scenario.	object
<b>use_account_aws_credentials</b> <i>optional</i>	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:* **2.1.0**

### 15.2.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>description</b> <i>optional</i>	Description for the resource.	string
Query	<b>name</b> <i>optional</i>	Name of the resource.	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	string

Type	Name	Description	Schema
Query	<b>recovery_destination_account</b> <i>optional</i>	N2WS Account ID for recovery destination.	string
Query	<b>recovery_destination_region</b> <i>optional</i>	N2WS DR region ID for recovery destination.	string
Query	<b>schedule</b> <i>optional</i>	Schedule ID associated with this recovery scenario for when to run.	string
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description * name of related policy * description of related policy * name of destination region	string

### 15.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_recovery_scenarios_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_recovery\_scenarios\_list

Name	Description	Schema
<b>agent_script_timeout</b> <i>optional</i>	Timeout in seconds for the pre-script and post-script.	integer
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>collect_script_output</b> <i>optional</i>	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enable_agent_scripts</b> <i>optional</i>	Flag whether to enable user pre-script and post-script.	boolean
<b>endure</b> <i>optional</i>	Flag whether to keep on recovering targets even after preceding failure.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>recipients</b> <i>optional</i>		< string > array
<b>recovery_destination_account</b> <i>optional</i>	N2WS Account ID for recovery destination.	integer
<b>recovery_destination_region</b> <i>optional</i>	N2WS DR region ID for recovery destination.	integer
<b>schedule</b> <i>optional</i>	Schedule ID associated with this recovery scenario for when to run.	integer
<b>schedule_running_option</b> <i>optional</i>	Running option for scheduled recovery scenario.  <b>Allowed Enum Values</b> * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
<b>target_type_count</b> <i>optional</i>	Holds the count for each target type in the recovery scenario.	object
<b>use_account_aws_credentials</b> <i>optional</i>	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	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>backup_record</b> <i>optional</i>	The N2WS Backup ID used for recoveries.	string
Query	<b>dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * backup_time * start_time	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	string
Query	<b>recovery_scenario</b> <i>optional</i>	The N2WS recovery scenario ID for this run.	string



Type	Name	Description	Schema
Query	<b>start_time</b> <i>optional</i>	The N2WS recovery scenario run start time.	string
Query	<b>status</b> <i>optional</i>	The N2WS recovery scenario run status.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 15.3.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_recovery_scenarios_records_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_recovery\_scenarios\_records\_list

Name	Description	Schema
<b>backup_record</b> <i>optional</i>	The N2WS Backup ID used for recoveries.	integer
<b>backup_record_start_time</b> <i>optional</i>	The N2WS Backup start time used for recoveries.	string
<b>dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>end_time</b> <i>optional</i>	The N2WS recovery scenario run end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>recovery_scenario</b> <i>optional</i>	The N2WS recovery scenario ID for this run.	integer
<b>start_time</b> <i>optional</i>	The N2WS recovery scenario run start time.	string
<b>status</b> <i>optional</i>	The N2WS recovery scenario run status.  <b>Allowed Enum Values</b> * 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	<b>id</b> <i>required</i>	string

### 15.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_recovery_scenarios_records_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_recovery\_scenarios\_records\_read

Name	Description	Schema
<b>backup_record</b> <i>optional</i>	The N2WS Backup ID used for recoveries.	integer
<b>backup_record_start_time</b> <i>optional</i>	The N2WS Backup start time used for recoveries.	string
<b>dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean

Name	Description	Schema
<b>end_time</b> <i>optional</i>	The N2WS recovery scenario run end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>recovery_scenario</b> <i>optional</i>	The N2WS recovery scenario ID for this run.	integer
<b>start_time</b> <i>optional</i>	The N2WS recovery scenario run start time.	string
<b>status</b> <i>optional</i>	The N2WS recovery scenario run status.  <b>Allowed Enum Values</b> * 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. Update a resource

```
PUT /api/aws/recovery_scenarios/records/{id}/
```

### 15.5.1. Description

None

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

### 15.5.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_aws_recovery_scenarios_re cords_update</b> <i>required</i>	<a href="#">data_aws_recovery_scenarios_records_update</a>

#### data\_aws\_recovery\_scenarios\_records\_update

Name	Description	Schema
<b>dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>end_time</b> <i>required</i>	The N2WS recovery scenario run end time.	string
<b>start_time</b> <i>required</i>	The N2WS recovery scenario run start time.	string
<b>status</b> <i>required</i>	The N2WS recovery scenario run status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

### 15.5.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_recovery_scenarios_records_update</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

### response\_aws\_recovery\_scenarios\_records\_update

Name	Description	Schema
<b>backup_record</b> <i>optional</i>	The N2WS Backup ID used for recoveries.	integer
<b>backup_record_start_time</b> <i>optional</i>	The N2WS Backup start time used for recoveries.	string
<b>dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>end_time</b> <i>optional</i>	The N2WS recovery scenario run end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>recovery_scenario</b> <i>optional</i>	The N2WS recovery scenario ID for this run.	integer
<b>start_time</b> <i>optional</i>	The N2WS recovery scenario run start time.	string
<b>status</b> <i>optional</i>	The N2WS recovery scenario run status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

#### 15.5.4. Consumes

- `application/json`

#### 15.5.5. Produces

- `application/json`

## 15.6. Delete a N2WS recovery scenario record

```
DELETE /api/aws/recovery_scenarios/records/{id}/
```

### 15.6.1. 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

### 15.6.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 15.6.3. Responses

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

## 15.7. List of recovery scenario record logs.

```
GET /api/aws/recovery_scenarios/records/{id}/logs/
```

### 15.7.1. 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

### 15.7.2. Parameters

Type	Name	Description	Schema
Path	<b>id</b> <i>required</i>		string
Query	<b>severity</b> <i>optional</i>	None	string

### 15.7.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_recovery_scenarios_records_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_recovery\_scenarios\_records\_list\_logs**



Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	Severity of the logging.	string

#### 15.7.4. Produces

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

## 15.8. Retrieve a N2WS recovery scenario

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

### 15.8.1. 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:* 2.1.0

### 15.8.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 15.8.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_recovery_scenarios_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_recovery\_scenarios\_read

Name	Description	Schema
<b>agent_script_timeout</b> <i>optional</i>	Timeout in seconds for the pre-script and post-script.	integer
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string

Name	Description	Schema
<b>collect_script_output</b> <i>optional</i>	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enable_agent_scripts</b> <i>optional</i>	Flag whether to enable user pre-script and post-script.	boolean
<b>endure</b> <i>optional</i>	Flag whether to keep on recovering targets even after preceding failure.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>recipients</b> <i>optional</i>		< string > array
<b>recovery_destination_account</b> <i>optional</i>	N2WS Account ID for recovery destination.	integer
<b>recovery_destination_region</b> <i>optional</i>	N2WS DR region ID for recovery destination.	integer
<b>schedule</b> <i>optional</i>	Schedule ID associated with this recovery scenario for when to run.	integer
<b>schedule_running_option</b> <i>optional</i>	Running option for scheduled recovery scenario.  <b>Allowed Enum Values</b> * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
<b>target_type_count</b> <i>optional</i>	Holds the count for each target type in the recovery scenario.	object
<b>use_account_aws_credentials</b> <i>optional</i>	Flag whether to use account or alternate credentials for recovery	boolean

#### 15.8.4. Produces

- [application/json](#)

## 15.9. Update a N2WS recovery scenario

```
PUT /api/aws/recovery_scenarios/{id}/
```

### 15.9.1. 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:* 2.1.0

### 15.9.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_aws_recovery_scenarios_u</b> <b>update</b> <i>required</i>	<a href="#">data_aws_recovery_scenarios_update</a>

#### data\_aws\_recovery\_scenarios\_update

Name	Description	Schema
<b>agent_script_timeout</b> <i>optional</i>	Timeout in seconds for the pre-script and post-script.	integer
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string
<b>aws_secret_key</b> <i>optional</i>	AWS secret key - Part of AWS credentials.	string
<b>collect_script_output</b> <i>optional</i>	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string

Name	Description	Schema
<b>enable_agent_scripts</b> <i>optional</i>	Flag whether to enable user pre-script and post-script.	boolean
<b>endure</b> <i>optional</i>	Flag whether to keep on recovering targets even after preceding failure.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>recipients</b> <i>optional</i>		< string > array
<b>recovery_destination_account</b> <i>optional</i>	N2WS Account ID for recovery destination.	integer
<b>recovery_destination_region</b> <i>optional</i>	N2WS DR region ID for recovery destination.	integer
<b>schedule</b> <i>optional</i>	Schedule ID associated with this recovery scenario for when to run.	integer
<b>schedule_running_option</b> <i>optional</i>	Running option for scheduled recovery scenario.  <b>Allowed Enum Values</b> * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
<b>use_account_aws_credentials</b> <i>optional</i>	Flag whether to use account or alternate credentials for recovery	boolean

### 15.9.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_recovery_scenarios_update</a>
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
<b>agent_script_timeout</b> <i>optional</i>	Timeout in seconds for the pre-script and post-script.	integer
<b>aws_access_key</b> <i>optional</i>	AWS access key - Part of AWS credentials.	string

Name	Description	Schema
<b>collect_script_output</b> <i>optional</i>	Flag whether to collect the user scripts output into recovery scenario record logs.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enable_agent_scripts</b> <i>optional</i>	Flag whether to enable user pre-script and post-script.	boolean
<b>endure</b> <i>optional</i>	Flag whether to keep on recovering targets even after preceding failure.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>recipients</b> <i>optional</i>		< string > array
<b>recovery_destination_account</b> <i>optional</i>	N2WS Account ID for recovery destination.	integer
<b>recovery_destination_region</b> <i>optional</i>	N2WS DR region ID for recovery destination.	integer
<b>schedule</b> <i>optional</i>	Schedule ID associated with this recovery scenario for when to run.	integer
<b>schedule_running_option</b> <i>optional</i>	Running option for scheduled recovery scenario.  <b>Allowed Enum Values</b> * D (Run dry run when schedule) * R (Run recovery when schedule)	enum (D, R)
<b>target_type_count</b> <i>optional</i>	Holds the count for each target type in the recovery scenario.	object
<b>use_account_aws_credentials</b> <i>optional</i>	Flag whether to use account or alternate credentials for recovery	boolean

#### 15.9.4. Consumes

- [application/json](#)

#### 15.9.5. Produces

- [application/json](#)

## 15.10. Delete a N2WS recovery scenario

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

### 15.10.1. 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

### 15.10.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 15.10.3. Responses

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

## 15.11. Run a N2WS recovery scenario

```
POST /api/aws/recovery_scenarios/{scenario_id}/recover/
```

### 15.11.1. 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

### 15.11.2. Parameters

Type	Name	Schema
Path	<b>scenario_id</b> <i>required</i>	string
Body	<b>data_aws_recovery_scenarios_recover_create</b> <i>required</i>	<a href="#">data_aws_recovery_scenarios_recover_create</a>

#### data\_aws\_recovery\_scenarios\_recover\_create

Name	Description	Schema
<b>backup_id</b> <i>required</i>	The N2WS Backup ID to be used for recoveries.	integer
<b>dry_run_only</b> <i>optional</i>	Flag whether to perform full recovery or dry run only.	boolean

### 15.11.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_recovery_scenarios_recover_create</a>
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
<b>backup_record</b> <i>optional</i>	The N2WS Backup ID used for recoveries.	integer
<b>backup_record_start_time</b> <i>optional</i>	The N2WS Backup start time used for recoveries.	string
<b>dry_run_only</b> <i>optional</i>	Is recovery scenario performed dry run only or fully.	boolean
<b>end_time</b> <i>optional</i>	The N2WS recovery scenario run end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>recovery_scenario</b> <i>optional</i>	The N2WS recovery scenario ID for this run.	integer
<b>start_time</b> <i>optional</i>	The N2WS recovery scenario run start time.	string
<b>status</b> <i>optional</i>	The N2WS recovery scenario run status.  <b>Allowed Enum Values</b> * P (In Progress) * R (Recovery Successful) * A (Recovery Partially Successful) * F (Recovery Failed)	enum (P, R, A, F)

**15.11.4. Consumes**

- application/json

**15.11.5. Produces**

- application/json

## 15.12. Create a N2WS recovery scenario target

```
POST /api/aws/recovery_scenarios/{scenario_id}/targets/
```

### 15.12.1. 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:* 1.6.0

### 15.12.2. Parameters

Type	Name	Schema
Path	<b>scenario_id</b> <i>required</i>	string
Body	<b>data_aws_recovery_scenarios_targets_create</b> <i>required</i>	<a href="#">data_aws_recovery_scenarios_targets_create</a>

#### data\_aws\_recovery\_scenarios\_targets\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Recovery scenario target origin aws region.	string
<b>aws_resource_id</b> <i>required</i>	Recovery scenario target resource AWS id.	string
<b>configuration</b> <i>required</i>	Recovery scenario target configuration in JSON format.	object
<b>order</b> <i>optional</i>	Order recovery integer value.	integer

Name	Description	Schema
<b>recovery_type</b> <i>required</i>	Recovery scenario target type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS 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) * DRA (DR RDS Cluster) * DRE (DR EFS)	enum (I, V, R, A, C, D, E, F, O, S, S3I, S3V, DRV, DRR, DRA, DRE)

### 15.12.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_recovery_scenarios_targets_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_recovery\_scenarios\_targets\_create

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Recovery scenario target origin aws region.	string
<b>aws_resource_id</b> <i>optional</i>	Recovery scenario target resource AWS id.	string
<b>configuration</b> <i>optional</i>	Recovery scenario target configuration in JSON format.	object
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>order</b> <i>optional</i>	Order recovery integer value.	integer

Name	Description	Schema
<p><b>recovery_type</b> <i>optional</i></p>	<p>Recovery scenario target type.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* I (Instance)</li> <li>* V (Volume)</li> <li>* R (RDS Database)</li> <li>* A (RDS Cluster)</li> <li>* C (Redshift Cluster)</li> <li>* D (DynamoDB Table)</li> <li>* E (EFS)</li> <li>* F (FSx)</li> <li>* O (FSx Volume)</li> <li>* S (Sap Hana DB)</li> <li>* S3I (S3 Instance)</li> <li>* S3V (S3 Volume)</li> <li>* DRV (DR Volume)</li> <li>* DRR (DR RDS Database)</li> <li>* DRA (DR RDS Cluster)</li> <li>* DRE (DR EFS)</li> </ul>	<p>enum (I, V, R, A, C, D, E, F, O, S, S3I, S3V, DRV, DRR, DRA, DRE)</p>

#### 15.12.4. Consumes

- `application/json`

#### 15.12.5. Produces

- `application/json`

## 15.13. List N2WS recovery scenario targets

```
GET /api/aws/recovery_scenarios/{scenario_id}/targets/
```

### 15.13.1. 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:* 1.6.0

### 15.13.2. Parameters

Type	Name	Description	Schema
Path	<b>scenario_id</b> <i>required</i>		string
Query	<b>aws_resource_id</b> <i>optional</i>	Recovery scenario target resource AWS id.	string
Query	<b>order</b> <i>optional</i>	Order recovery integer value.	number
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * aws_resource_id * order * recovery_type	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>recovery_type</b> <i>optional</i>	Recovery scenario target type.	string

Type	Name	Description	Schema
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * recovery_type * aws_resource_id * order	string

### 15.13.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_recovery_scenarios_targets_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_recovery\_scenarios\_targets\_list

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Recovery scenario target origin aws region.	string
<b>aws_resource_id</b> <i>optional</i>	Recovery scenario target resource AWS id.	string
<b>configuration</b> <i>optional</i>	Recovery scenario target configuration in JSON format.	object
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>order</b> <i>optional</i>	Order recovery integer value.	integer

Name	Description	Schema
<b>recovery_type</b> <i>optional</i>	Recovery scenario target type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS 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) * DRA (DR RDS Cluster) * DRE (DR EFS)	enum (I, V, R, A, C, D, E, F, O, S, S3I, S3V, DRV, DRR, DRA, DRE)

### 15.13.4. Produces

- application/json

## 15.14. Retrieve a N2WS recovery scenario target

```
GET /api/aws/recovery_scenarios/{scenario_id}/targets/{id}/
```

### 15.14.1. 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:* 1.6.0

### 15.14.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>scenario_id</b> <i>required</i>	string

### 15.14.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_recovery_scenarios_targets_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_recovery\_scenarios\_targets\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Recovery scenario target origin aws region.	string
<b>aws_resource_id</b> <i>optional</i>	Recovery scenario target resource AWS id.	string



Name	Description	Schema
<b>configuration</b> <i>optional</i>	Recovery scenario target configuration in JSON format.	object
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>order</b> <i>optional</i>	Order recovery integer value.	integer
<b>recovery_type</b> <i>optional</i>	Recovery scenario target type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS 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) * DRA (DR RDS Cluster) * DRE (DR EFS)	enum (I, V, R, A, C, D, E, F, O, S, S3I, S3V, DRV, DRR, DRA, DRE)

### 15.14.4. Produces

- `application/json`

## 15.15. Update a N2WS recovery scenario target

```
PUT /api/aws/recovery_scenarios/{scenario_id}/targets/{id}/
```

### 15.15.1. 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:* 1.6.0

### 15.15.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>scenario_id</b> <i>required</i>	string
Body	<b>data_aws_recovery_scenarios_targets_update</b> <i>required</i>	<a href="#">data_aws_recovery_scenarios_targets_update</a>

#### data\_aws\_recovery\_scenarios\_targets\_update

Name	Description	Schema
<b>configuration</b> <i>required</i>	Recovery scenario target configuration in JSON format.	object
<b>order</b> <i>optional</i>	Order recovery integer value.	integer

Name	Description	Schema
<b>recovery_type</b> <i>required</i>	Recovery scenario target type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS 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) * DRA (DR RDS Cluster) * DRE (DR EFS)	enum (I, V, R, A, C, D, E, F, O, S, S3I, S3V, DRV, DRR, DRA, DRE)

### 15.15.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_recovery_scenarios_targets_update</a>
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
<b>aws_region</b> <i>optional</i>	Recovery scenario target origin aws region.	string
<b>aws_resource_id</b> <i>optional</i>	Recovery scenario target resource AWS id.	string
<b>configuration</b> <i>optional</i>	Recovery scenario target configuration in JSON format.	object
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>order</b> <i>optional</i>	Order recovery integer value.	integer
<b>recovery_type</b> <i>optional</i>	Recovery scenario target type.  <b>Allowed Enum Values</b> * I (Instance) * V (Volume) * R (RDS Database) * A (RDS 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) * DRA (DR RDS Cluster) * DRE (DR EFS)	enum (I, V, R, A, C, D, E, F, O, S, S3I, S3V, DRV, DRR, DRA, DRE)

#### 15.15.4. Consumes

- `application/json`

#### 15.15.5. Produces

- `application/json`

## 15.16. Delete a N2WS recovery scenario target

```
DELETE /api/aws/recovery_scenarios/{scenario_id}/targets/{id}/
```

### 15.16.1. 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

### 15.16.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>scenario_id</b> <i>required</i>	string

### 15.16.3. 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	<b>account</b> <i>optional</i>	Optional ID of the account to filter by its aws_cloud.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_regions_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_regions\_list

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the region in AWS.	string

Name	Description	Schema
<b>disp_name</b> <i>optional</i>	Display name of the target region.	string
<b>id</b> <i>optional</i>	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	<b>data_aws_resource_control_groups_create</b> <i>required</i>	<a href="#">data_aws_resource_control_groups_create</a>

#### data\_aws\_resource\_control\_groups\_create

Name	Description	Schema
<b>account</b> <i>required</i>	Account the resource control group is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the resource control group will be enabled.	boolean

Name	Description	Schema
<b>hibernate</b> <i>optional</i>	If set, hibernate on stop execute a N2WS resource control group.	boolean
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>operation_mode</b> <i>optional</i>	Valid operations to perform on resources. Default is Turn On/Off  <b>Allowed Enum Values</b> * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
<b>timeout</b> <i>optional</i>	Resource state timeout.	integer

### 17.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_resource_control_groups_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_resource\_control\_groups\_create

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the resource control group is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the resource control group will be enabled.	boolean
<b>hibernate</b> <i>optional</i>	If set, hibernate on stop execute a N2WS resource control group.	boolean

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>operation_mode</b> <i>optional</i>	Valid operations to perform on resources. Default is Turn On/Off  <b>Allowed Enum Values</b> * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
<b>timeout</b> <i>optional</i>	Resource state timeout.	integer
<b>user</b> <i>optional</i>	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	<b>account</b> <i>optional</i>	Account the resource control group is associated with.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * enabled * name * timeout * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * account	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 17.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_resource_control_groups_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_resource\_control\_groups\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the resource control group is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the resource control group will be enabled.	boolean
<b>hibernate</b> <i>optional</i>	If set, hibernate on stop execute a N2WS resource control group.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>operation_mode</b> <i>optional</i>	Valid operations to perform on resources. Default is Turn On/Off  <b>Allowed Enum Values</b> * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
<b>timeout</b> <i>optional</i>	Resource state timeout.	integer
<b>user</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>	string
Body	<b>data_aws_resource_control_group_schedules_create</b> <i>required</i>	<a href="#">data_aws_resource_control_groups_schedules_create</a>

#### data\_aws\_resource\_control\_groups\_schedules\_create

Name	Description	Schema
<b>turn_off_day</b> <i>optional</i>	Selected days to activate turn off action.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* A (Every Day)</li> <li>* M (Monday)</li> <li>* T (Tuesday)</li> <li>* W (Wednesday)</li> <li>* H (Thursday)</li> <li>* F (Friday)</li> <li>* S (Saturday)</li> <li>* U (Sunday)</li> </ul>	enum (A, M, T, W, H, F, S, U)
<b>turn_off_time</b> <i>required</i>	Selected time to activate turn off action on selected days (UTC).	string



Name	Description	Schema
<b>turn_on_day</b> <i>optional</i>	Selected days to activate turn on action.  <b>Allowed Enum Values</b> * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (M, T, W, H, F, S, U)
<b>turn_on_time</b> <i>required</i>	Selected time to activate turn on action on selected days (UTC).	string

### 17.3.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_resource_control_groups_schedules_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_resource\_control\_groups\_schedules\_create

Name	Description	Schema
<b>group</b> <i>optional</i>	Resource control group the schedule is associated to.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Last time the schedule was updated.	string
<b>system_timezone</b> <i>optional</i>	Timezone the system was configured with.	string

Name	Description	Schema
<b>turn_off_day</b> <i>optional</i>	Selected days to activate turn off action.  <b>Allowed Enum Values</b> * 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)
<b>turn_off_system_day</b> <i>optional</i>	Selected days to activate turn off action (In current system timezone).	string
<b>turn_off_system_time</b> <i>optional</i>	Selected time to activate turn off action on selected days (In current system timezone).	string
<b>turn_off_time</b> <i>optional</i>	Selected time to activate turn off action on selected days (UTC).	string
<b>turn_on_day</b> <i>optional</i>	Selected days to activate turn on action.  <b>Allowed Enum Values</b> * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (M, T, W, H, F, S, U)
<b>turn_on_system_day</b> <i>optional</i>	Selected days to activate turn on action (In current system timezone).	string
<b>turn_on_system_time</b> <i>optional</i>	Selected time to activate turn on action on selected days (In current system timezone).	string
<b>turn_on_time</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>		string
Query	<b>group</b> <i>optional</i>	None	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_resource_control_groups_schedules_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_resource\_control\_groups\_schedules\_list

Name	Description	Schema
<b>group</b> <i>optional</i>	Resource control group the schedule is associated to.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Last time the schedule was updated.	string
<b>system_timezone</b> <i>optional</i>	Timezone the system was configured with.	string
<b>turn_off_day</b> <i>optional</i>	Selected days to activate turn off action.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* A (Every Day)</li> <li>* M (Monday)</li> <li>* T (Tuesday)</li> <li>* W (Wednesday)</li> <li>* H (Thursday)</li> <li>* F (Friday)</li> <li>* S (Saturday)</li> <li>* U (Sunday)</li> </ul>	enum (A, M, T, W, H, F, S, U)
<b>turn_off_system_day</b> <i>optional</i>	Selected days to activate turn off action (In current system timezone).	string
<b>turn_off_system_time</b> <i>optional</i>	Selected time to activate turn off action on selected days (In current system timezone).	string
<b>turn_off_time</b> <i>optional</i>	Selected time to activate turn off action on selected days (UTC).	string

Name	Description	Schema
<b>turn_on_day</b> <i>optional</i>	Selected days to activate turn on action.  <b>Allowed Enum Values</b> * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (M, T, W, H, F, S, U)
<b>turn_on_system_day</b> <i>optional</i>	Selected days to activate turn on action (In current system timezone).	string
<b>turn_on_system_time</b> <i>optional</i>	Selected time to activate turn on action on selected days (In current system timezone).	string
<b>turn_on_time</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 17.5.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_resource_control_groups_schedules_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_resource\_control\_groups\_schedules\_read

Name	Description	Schema
<b>group</b> <i>optional</i>	Resource control group the schedule is associated to.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>last_modified</b> <i>optional</i>	Last time the schedule was updated.	string
<b>system_timezone</b> <i>optional</i>	Timezone the system was configured with.	string
<b>turn_off_day</b> <i>optional</i>	Selected days to activate turn off action.  <b>Allowed Enum Values</b> * 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)
<b>turn_off_system_day</b> <i>optional</i>	Selected days to activate turn off action (In current system timezone).	string
<b>turn_off_system_time</b> <i>optional</i>	Selected time to activate turn off action on selected days (In current system timezone).	string
<b>turn_off_time</b> <i>optional</i>	Selected time to activate turn off action on selected days (UTC).	string
<b>turn_on_day</b> <i>optional</i>	Selected days to activate turn on action.  <b>Allowed Enum Values</b> * M (Monday) * T (Tuesday) * W (Wednesday) * H (Thursday) * F (Friday) * S (Saturday) * U (Sunday)	enum (M, T, W, H, F, S, U)
<b>turn_on_system_day</b> <i>optional</i>	Selected days to activate turn on action (In current system timezone).	string
<b>turn_on_system_time</b> <i>optional</i>	Selected time to activate turn on action on selected days (In current system timezone).	string
<b>turn_on_time</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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	<b>group_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_resource_control_groups_targets_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_resource\_control\_groups\_targets\_list**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>	string
Body	<b>data_aws_resource_control_groups_targets_instances_create</b> <i>required</i>	<a href="#">data_aws_resource_control_groups_targets_instances_create</a>

#### data\_aws\_resource\_control\_groups\_targets\_instances\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string

### 17.8.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_resource_control_groups_targets_instances_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_resource\_control\_groups\_targets\_instances\_create**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_resource_control_groups_targets_instances_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_resource\_control\_groups\_targets\_instances\_list

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string

Name	Description	Schema
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 17.10.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_resource_control_groups_targets_instances_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_resource\_control\_groups\_targets\_instances\_read

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string

Name	Description	Schema
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_type</b> <i>optional</i>	AWS resource type.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>root_device_type</b> <i>optional</i>	Device type.	string
<b>state</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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	<b>group_id</b> <i>required</i>	string
Body	<b>data_aws_resource_control_groups_targets_rds_databases_create</b> <i>required</i>	<a href="#">data_aws_resource_control_groups_targets_rds_databases_create</a>

#### data\_aws\_resource\_control\_groups\_targets\_rds\_databases\_create

Name	Description	Schema
<b>aws_region</b> <i>required</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>required</i>	ID of the resource in AWS.	string

### 17.12.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_resource_control_groups_targets_rds_databases_create</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	string
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	string
<b>zone</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_resource_control_groups_targets_rds_databases_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_resource\_control\_groups\_targets\_rds\_databases\_list**

Name	Description	Schema
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	string
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	string
<b>zone</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 17.14.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_resource_control_groups_targets_rds_databases_read</a>
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
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string

Name	Description	Schema
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>engine</b> <i>optional</i>	Resource engine.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>instance_class</b> <i>optional</i>	Contains the compute and memory capacity of the DB Instance.	string
<b>iops</b> <i>optional</i>	Number of IOPS.	string
<b>publicly_accessible</b> <i>optional</i>	Whether the resource will be publicly accessible or not.	boolean
<b>resource_type</b> <i>optional</i>	Resource type.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>storage</b> <i>optional</i>	Capacity of the resource (in GiB).	string
<b>zone</b> <i>optional</i>	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	<b>group_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	string

### 17.16.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_resource_control_groups_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_resource\_control\_groups\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the resource control group is associated with.	integer

Name	Description	Schema
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the resource control group will be enabled.	boolean
<b>hibernate</b> <i>optional</i>	If set, hibernate on stop execute a N2WS resource control group.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>operation_mode</b> <i>optional</i>	Valid operations to perform on resources. Default is Turn On/Off  <b>Allowed Enum Values</b> * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
<b>timeout</b> <i>optional</i>	Resource state timeout.	integer
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_resource_control_group</b> <b>ps_update</b> <i>required</i>	<a href="#">data_aws_resource_control_groups_update</a>

#### data\_aws\_resource\_control\_groups\_update

Name	Description	Schema
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the resource control group will be enabled.	boolean

Name	Description	Schema
<b>hibernate</b> <i>optional</i>	If set, hibernate on stop execute a N2WS resource control group.	boolean
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>operation_mode</b> <i>optional</i>	Valid operations to perform on resources. Default is Turn On/Off  <b>Allowed Enum Values</b> * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
<b>timeout</b> <i>optional</i>	Resource state timeout.	integer

### 17.17.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_resource_control_groups_update</a>
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
<b>account</b> <i>optional</i>	Account the resource control group is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the resource control group will be enabled.	boolean
<b>hibernate</b> <i>optional</i>	If set, hibernate on stop execute a N2WS resource control group.	boolean

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>operation_mode</b> <i>optional</i>	Valid operations to perform on resources. Default is Turn On/Off  <b>Allowed Enum Values</b> * on-off (Turn On/Off) * off (Turn Off Only)	enum (on-off, off)
<b>timeout</b> <i>optional</i>	Resource state timeout.	integer
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	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	<b>account</b> <i>optional</i>	ID of the account this record is associated with.	string
Query	<b>group</b> <i>optional</i>	Group that the record is associated with.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>marked_for_deletion</b> <i>optional</i>	Whether this record is marked for deletion or not.	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	A full or partial resource ID to search by.	string
Query	<b>status</b> <i>optional</i>	Records's status.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 17.21.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_resource_control_records_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_resource\_control\_records\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this record is associated with.	integer
<b>end_time</b> <i>optional</i>	Record's end time.	string
<b>group</b> <i>optional</i>	Group that the record is associated with.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>marked_for_deletion</b> <i>optional</i>	Whether this record is marked for deletion or not.	boolean
<b>operation</b> <i>optional</i>	The status os the current operation.  <b>Allowed Enum Values</b> * S (Stopped) * R (Running)	enum (S, R)
<b>start_time</b> <i>optional</i>	Record's start time.	string

Name	Description	Schema
<b>status</b> <i>optional</i>	Records's status.  <b>Allowed Enum Values</b> * 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	<b>id</b> <i>required</i>	string

### 17.22.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_resource_control_records_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_resource\_control\_records\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this record is associated with.	integer
<b>end_time</b> <i>optional</i>	Record's end time.	string

Name	Description	Schema
<b>group</b> <i>optional</i>	Group that the record is associated with.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>marked_for_deletion</b> <i>optional</i>	Whether this record is marked for deletion or not.	boolean
<b>operation</b> <i>optional</i>	The status os the current operation.  <b>Allowed Enum Values</b> * S (Stopped) * R (Running)	enum (S, R)
<b>start_time</b> <i>optional</i>	Record's start time.	string
<b>status</b> <i>optional</i>	Records's status.  <b>Allowed Enum Values</b> * 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	<b>id</b> <i>required</i>	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

```
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	<b>id</b> <i>required</i>	string

### 17.24.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_resource_control_records_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_resource\_control\_records\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string

Name	Description	Schema
<b>log_type</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_resource_types_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_resource\_types\_list

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>label</b> <i>optional</i>	Display name of the target resource type.	string

Name	Description	Schema
<b>name</b> <i>optional</i>	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	<code>data_aws_s3_repositories_create</code> <i>required</i>	<a href="#">data_aws_s3_repositories_create</a>

#### `data_aws_s3_repositories_create`

Name	Description	Schema
<code>account</code> <i>required</i>	ID of the account this resource is associated with.	integer
<code>aws_bucket_name</code> <i>required</i>	Name of AWS bucket.	string
<code>description</code> <i>optional</i>	Description for the resource.	string
<code>name</code> <i>required</i>	Name of the resource.	string
<code>use_objects_lock</code> <i>optional</i>	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	<a href="#">response_aws_s3_repositories_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_s3\_repositories\_create

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_bucket_name</b> <i>optional</i>	Name of AWS bucket.	string
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>cloud</b> <i>optional</i>		string
<b>deletion_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>related_policies</b> <i>optional</i>	All policies related to current repository.	< integer > array
<b>use_objects_lock</b> <i>optional</i>	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
<b>user</b> <i>optional</i>	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	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * aws_bucket_name * aws_region * name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string



### 19.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_s3_repositories_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_s3\_repositories\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_bucket_name</b> <i>optional</i>	Name of AWS bucket.	string
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>cloud</b> <i>optional</i>		string
<b>deletion_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>related_policies</b> <i>optional</i>	All policies related to current repository.	< integer > array
<b>use_objects_lock</b> <i>optional</i>	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
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 19.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_s3_repositories_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_s3\_repositories\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_bucket_name</b> <i>optional</i>	Name of AWS bucket.	string
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string

Name	Description	Schema
<b>cloud</b> <i>optional</i>		string
<b>deletion_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>related_policies</b> <i>optional</i>	All policies related to current repository.	< integer > array
<b>use_objects_lock</b> <i>optional</i>	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
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_s3_repositories_update</b> <i>required</i>	<a href="#">data_aws_s3_repositories_update</a>

#### data\_aws\_s3\_repositories\_update

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string

### 19.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_s3_repositories_update</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_aws\_s3\_repositories\_update**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_bucket_name</b> <i>optional</i>	Name of AWS bucket.	string
<b>aws_region</b> <i>optional</i>	Name of the AWS region.	string
<b>cloud</b> <i>optional</i>		string
<b>deletion_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>related_policies</b> <i>optional</i>	All policies related to current repository.	< integer > array
<b>use_objects_lock</b> <i>optional</i>	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
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	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	<b>data_aws_settings_capture_vpc_create</b> <i>required</i>	<a href="#">data_aws_settings_capture_vpc_create</a>

**data\_aws\_settings\_capture\_vpc\_create**

Name	Description	Schema
<b>capture_vpcs</b> <i>optional</i>	Capture VPCs on all regions .	boolean
<b>capture_vpcs_interval</b> <i>required</i>	Capture VPCs schedule interval (hours).	integer

### 20.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_settings_capture_vpc_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_settings\_capture\_vpc\_create**

Name	Description	Schema
<b>capture_vpcs</b> <i>optional</i>	Capture VPCs on all regions .	boolean
<b>capture_vpcs_interval</b> <i>optional</i>	Capture VPCs schedule interval (hours).	integer
<b>last_capture_vpcs_time</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	<a href="#">response_aws_settings_capture_vpc_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_settings\_capture\_vpc\_list**

Name	Description	Schema
<b>capture_vpcs</b> <i>optional</i>	Capture VPCs on all regions .	boolean
<b>capture_vpcs_interval</b> <i>optional</i>	Capture VPCs schedule interval (hours).	integer
<b>last_capture_vpcs_time</b> <i>optional</i>	Last time a VPC capture ran.	string



## 20.2.4. Produces

- `application/json`

## 20.3. List the selected logs

```
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	< <a href="#">response_aws_settings_capture_vpc_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_capture\_vpc\_list\_logs

Name	Description	Schema
<code>log</code> <i>optional</i>	Log message.	string
<code>log_time</code> <i>optional</i>	Time of the logging.	string
<code>log_type</code> <i>optional</i>	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	<b>data_aws_settings_cost_explorer_create</b> <i>required</i>	<a href="#">data_aws_settings_cost_explorer_create</a>

#### data\_aws\_settings\_cost\_explorer\_create

Name	Schema
<b>enabled</b> <i>required</i>	boolean

### 20.5.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_settings_cost_explorer_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_cost\_explorer\_create

Name	Schema
<b>enabled</b> <i>optional</i>	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	<a href="#">response_aws_settings_cost_explorer_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_cost\_explorer\_list

Name	Schema
<b>enabled</b> <i>optional</i>	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	<b>data_aws_settings_file_level_recovery_create</b> <i>required</i>	<a href="#">data_aws_settings_file_level_recovery_create</a>

#### data\_aws\_settings\_file\_level\_recovery\_create

Name	Description	Schema
<b>aws_access_key</b> <i>optional</i>	AWS account access key for file level recovery .	string
<b>aws_secret_key</b> <i>optional</i>	AWS account secret key for file level recovery .	string
<b>enable_file_level_recovery</b> <i>optional</i>	Create or update N2WS file level recovery account settings.	boolean
<b>existing_account</b> <i>optional</i>	Existing account name for file level recovery .	string
<b>use_exisiting_account</b> <i>optional</i>		boolean

### 20.7.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_settings_file_level_recovery_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_file\_level\_recovery\_create

Name	Description	Schema
<b>aws_access_key</b> <i>optional</i>	AWS account access key for file level recovery .	string
<b>enable_file_level_recovery</b> <i>optional</i>	Create or update N2WS file level recovery account settings.	boolean
<b>existing_account</b> <i>optional</i>	Existing account name for file level recovery .	string
<b>use_exisiting_account</b> <i>optional</i>		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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	<a href="#">response_aws_settings_file_level_recovery_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_file\_level\_recovery\_list

Name	Description	Schema
<b>aws_access_key</b> <i>optional</i>	AWS account access key for file level recovery .	string

Name	Description	Schema
<b>enable_file_level_recovery</b> <i>optional</i>	Create or update N2WS file level recovery account settings.	boolean
<b>existing_account</b> <i>optional</i>	Existing account name for file level recovery .	string
<b>use_exisiting_account</b> <i>optional</i>		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	<b>data_aws_settings_secured_dr_account_check_create</b> <i>required</i>	<a href="#">data_aws_settings_secured_dr_account_check_create</a>

#### data\_aws\_settings\_secured\_dr\_account\_check\_create

Name	Description	Schema
<b>secured_dr_account_check</b> <i>optional</i>	Secured DR Account check on all DR accounts that use vault definition.	boolean
<b>secured_dr_account_check_interval</b> <i>required</i>	Secured DR Account check schedule interval (hours).	integer

### 20.9.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_settings_secured_dr_account_check_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_secured\_dr\_account\_check\_create

Name	Description	Schema
<b>last_secured_dr_account_check_time</b> <i>optional</i>	Last time a Secured DR Account check was performed.	string
<b>secured_dr_account_check</b> <i>optional</i>	Secured DR Account check on all DR accounts that use vault definition.	boolean
<b>secured_dr_account_check_interval</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	<a href="#">response_aws_settings_secured_dr_account_check_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_secured\_dr\_account\_check\_list

Name	Description	Schema
<b>last_secured_dr_account_check_time</b> <i>optional</i>	Last time a Secured DR Account check was performed.	string
<b>secured_dr_account_check</b> <i>optional</i>	Secured DR Account check on all DR accounts that use vault definition.	boolean



Name	Description	Schema
<b>secured_dr_account_check_interval</b> <i>optional</i>	Secured DR Account check schedule interval (hours).	integer

#### 20.10.4. Produces

- `application/json`

## 20.11. List the selected logs

```
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	< <a href="#">response_aws_settings_secured_dr_account_check_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_secured\_dr\_account\_check\_list\_logs

Name	Description	Schema
<code>log</code> <i>optional</i>	Log message.	string
<code>log_time</code> <i>optional</i>	Time of the logging.	string
<code>log_type</code> <i>optional</i>	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	<b>data_aws_settings_watermark_create</b> <i>required</i>	<a href="#">data_aws_settings_watermark_create</a>

#### data\_aws\_settings\_watermark\_create

Name	Description	Schema
<b>alert_rec_vol</b> <i>optional</i>	Whether to alert when occupied volumes exceeds low/high watermark on recurring volumes.	boolean
<b>vol_storage_alert_watermark</b> <i>optional</i>	Whether to alert when occupied volumes exceeds low/high watermark.	boolean
<b>vol_storage_high_watermark</b> <i>optional</i>	Upper limit for volume's occupied percent.	integer
<b>vol_storage_low_watermark</b> <i>optional</i>	Lower limit for volume's occupied percent.	integer

### 20.13.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_settings_watermark_create</a>
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
<b>alert_rec_vol</b> <i>optional</i>	Whether to alert when occupied volumes exceeds low/high watermark on recurring volumes.	boolean
<b>vol_storage_alert_watermark</b> <i>optional</i>	Whether to alert when occupied volumes exceeds low/high watermark.	boolean
<b>vol_storage_high_watermark</b> <i>optional</i>	Upper limit for volume's occupied percent.	integer
<b>vol_storage_low_watermark</b> <i>optional</i>	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	<a href="#">response_aws_settings_watermark_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_settings\_watermark\_list

Name	Description	Schema
<b>alert_rec_vol</b> <i>optional</i>	Whether to alert when occupied volumes exceeds low/high watermark on recurring volumes.	boolean
<b>vol_storage_alert_watermark</b> <i>optional</i>	Whether to alert when occupied volumes exceeds low/high watermark.	boolean
<b>vol_storage_high_watermark</b> <i>optional</i>	Upper limit for volume's occupied percent.	integer
<b>vol_storage_low_watermark</b> <i>optional</i>	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:* 1.6.0
- *Last Modified Version:* 1.6.0

### 21.1.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the associated account of user whose occupied percent volumes are to be displayed.	string
Query	<b>high_watermark</b> <i>optional</i>	Upper limit for volume's occupied percent.	number
Query	<b>low_watermark</b> <i>optional</i>	Lower limit for volume's occupied percent.	number
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>user</b> <i>optional</i>	ID of the user whose occupied percent volumes are to be displayed.	string

### 21.1.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_system_volumes_occupied_percent_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_aws\_system\_volumes\_occupied\_percent\_list**



Name	Description	Schema
<b>aws_instance_id</b> <i>optional</i>	Backed up instance id of the volume. None for independent volume.	string
<b>aws_region</b> <i>optional</i>	Region of the volume.	string
<b>aws_volume_id</b> <i>optional</i>	AWS volume ID of the volume.	string
<b>capacity</b> <i>optional</i>	Capacity of the volume.	integer
<b>last_check</b> <i>optional</i>	Last time of backup - volumes occupied percent were updated.	string
<b>occupied_percentage</b> <i>optional</i>	Occupied percentage of the volume.	integer

#### 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	<b>data_aws_worker_tags_create</b> <i>required</i>	<a href="#">data_aws_worker_tags_create</a>

#### data\_aws\_worker\_tags\_create

Name	Description	Schema
<b>account</b> <i>required</i>	ID of the account this resource is associated with.	integer
<b>key</b> <i>required</i>		string
<b>value</b> <i>optional</i>		string

### 22.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_worker_tags_create</a>
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
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>key</b> <i>optional</i>		string
<b>value</b> <i>optional</i>		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	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>key</b> <i>optional</i>	None	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * key * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * key * value	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 22.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_worker_tags_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_worker\_tags\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>key</b> <i>optional</i>		string
<b>value</b> <i>optional</i>		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	<b>id</b> <i>required</i>	string

### 22.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_worker_tags_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_worker\_tags\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>key</b> <i>optional</i>		string

Name	Description	Schema
<b>value</b> <i>optional</i>		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	<b>id</b> <i>required</i>	string
Body	<b>data_aws_worker_tags_update</b> <i>required</i>	<a href="#">data_aws_worker_tags_update</a>

#### data\_aws\_worker\_tags\_update

Name	Description	Schema
<b>account</b> <i>required</i>	ID of the account this resource is associated with.	integer
<b>key</b> <i>required</i>		string
<b>value</b> <i>optional</i>		string

### 22.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_worker_tags_update</a>
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
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>key</b> <i>optional</i>		string
<b>value</b> <i>optional</i>		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	<b>id</b> <i>required</i>	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:* 1.6.0

### 23.1.2. Parameters

Type	Name	Schema
Body	<code>data_aws_workers_create</code> <i>required</i>	<a href="#">data_aws_workers_create</a>

#### data\_aws\_workers\_create

Name	Description	Schema
<code>account</code> <i>required</i>	ID of the account this resource is associated with.	integer
<code>aws_key_pair</code> <i>optional</i>	Key pair of worker configuration.	string
<code>aws_security_group</code> <i>required</i>	Security group of worker configuration.	string
<code>aws_subnet</code> <i>optional</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <i>Any</i> .	string
<code>aws_vpc</code> <i>required</i>	VPC of worker configuration.	string
<code>http_proxy_address</code> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string

Name	Description	Schema
<b>http_proxy_password_encrypted</b> <i>optional</i>	Proxy password if network access via http proxy on worker configuration.	string
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string
<b>region</b> <i>required</i>	Name of the AWS region.	integer
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean

### 23.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_aws_workers_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_workers\_create

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_key_pair</b> <i>optional</i>	Key pair of worker configuration.	string
<b>aws_security_group</b> <i>optional</i>	Security group of worker configuration.	string
<b>aws_subnet</b> <i>optional</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <i>Any</i> .	string
<b>aws_vpc</b> <i>optional</i>	VPC of worker configuration.	string
<b>http_proxy_address</b> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>region</b> <i>optional</i>	Name of the AWS region.	integer
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### 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:* 1.1.0

### 23.2.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * id * region * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 23.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_workers_list</a> > array



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

**response\_aws\_workers\_list**

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_key_pair</b> <i>optional</i>	Key pair of worker configuration.	string
<b>aws_security_group</b> <i>optional</i>	Security group of worker configuration.	string
<b>aws_subnet</b> <i>optional</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <i>Any</i> .	string
<b>aws_vpc</b> <i>optional</i>	VPC of worker configuration.	string
<b>http_proxy_address</b> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>region</b> <i>optional</i>	Name of the AWS region.	integer
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**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	<b>configuration_id</b> <i>required</i>	string
Body	<b>data_aws_workers_test_create</b> <i>required</i>	<a href="#">data_aws_workers_test_create</a>

#### data\_aws\_workers\_test\_create

Name	Description	Schema
<b>ebs_test_run</b> <i>optional</i>	Whether to run EBS API test in this test session.	boolean
<b>s3_endpoint_test_run</b> <i>optional</i>	Whether to run S3 Endpoint test in this test session.	boolean
<b>ssh_test_run</b> <i>optional</i>	Whether to run SSH test in this test session.	boolean

### 23.3.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_aws_workers_test_create</a>

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
<b>configuration</b> <i>optional</i>	Worker test session worker configuration.	integer
<b>connection_status</b> <i>optional</i>	Worker test session connection to CPM status.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>ebs_test_run</b> <i>optional</i>	Whether to run EBS API test in this test session.	boolean
<b>ebs_test_status</b> <i>optional</i>	The result of the EBS API test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>end_time</b> <i>optional</i>	Worker test session end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>s3_endpoint_test_run</b> <i>optional</i>	Whether to run S3 Endpoint test in this test session.	boolean
<b>s3_endpoint_test_status</b> <i>optional</i>	The result of the S3 endpoint test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)

Name	Description	Schema
<b>session_status</b> <i>optional</i>	The result of worker test session.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
<b>ssh_test_run</b> <i>optional</i>	Whether to run SSH test in this test session.	boolean
<b>ssh_test_status</b> <i>optional</i>	The result of the SSH test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>start_time</b> <i>optional</i>	Worker test session start time.	string
<b>test_session_fail_desc</b> <i>optional</i>	Worker test session failure description.	string
<b>worker</b> <i>optional</i>	Worker test session worker instance.	integer

### 23.3.4. Consumes

- `application/json`

### 23.3.5. Produces

- `application/json`

## 23.4. List resources

```
GET /api/aws/workers/{configuration_id}/test/
```

### 23.4.1. Description

None

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

### 23.4.2. Parameters

Type	Name	Description	Schema
Path	<b>configuration_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_workers_test_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_workers\_test\_list

Name	Description	Schema
<b>configuration</b> <i>optional</i>	Worker test session worker configuration.	integer

Name	Description	Schema
<b>connection_status</b> <i>optional</i>	Worker test session connection to CPM status.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>ebs_test_run</b> <i>optional</i>	Whether to run EBS API test in this test session.	boolean
<b>ebs_test_status</b> <i>optional</i>	The result of the EBS API test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>end_time</b> <i>optional</i>	Worker test session end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>s3_endpoint_test_run</b> <i>optional</i>	Whether to run S3 Endpoint test in this test session.	boolean
<b>s3_endpoint_test_status</b> <i>optional</i>	The result of the S3 endpoint test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>session_status</b> <i>optional</i>	The result of worker test session.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
<b>ssh_test_run</b> <i>optional</i>	Whether to run SSH test in this test session.	boolean
<b>ssh_test_status</b> <i>optional</i>	The result of the SSH test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>start_time</b> <i>optional</i>	Worker test session start time.	string

Name	Description	Schema
<b>test_session_fail_desc</b> <i>optional</i>	Worker test session failure description.	string
<b>worker</b> <i>optional</i>	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	<b>configuration_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 23.5.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_workers_test_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_workers\_test\_read

Name	Description	Schema
<b>configuration</b> <i>optional</i>	Worker test session worker configuration.	integer



Name	Description	Schema
<b>connection_status</b> <i>optional</i>	Worker test session connection to CPM status.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>ebs_test_run</b> <i>optional</i>	Whether to run EBS API test in this test session.	boolean
<b>ebs_test_status</b> <i>optional</i>	The result of the EBS API test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>end_time</b> <i>optional</i>	Worker test session end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>s3_endpoint_test_run</b> <i>optional</i>	Whether to run S3 Endpoint test in this test session.	boolean
<b>s3_endpoint_test_status</b> <i>optional</i>	The result of the S3 endpoint test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>session_status</b> <i>optional</i>	The result of worker test session.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed) * P (Partial Success)	enum (I, S, F, P)
<b>ssh_test_run</b> <i>optional</i>	Whether to run SSH test in this test session.	boolean
<b>ssh_test_status</b> <i>optional</i>	The result of the SSH test.  <b>Allowed Enum Values</b> * I (In Progress) * S (Success) * F (Failed)	enum (I, S, F)
<b>start_time</b> <i>optional</i>	Worker test session start time.	string

Name	Description	Schema
<b>test_session_fail_desc</b> <i>optional</i>	Worker test session failure description.	string
<b>worker</b> <i>optional</i>	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	<b>configuration_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 23.6.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_aws_workers_test_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_workers\_test\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string

Name	Description	Schema
<b>log_type</b> <i>optional</i>	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:* 1.1.0

### 23.7.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 23.7.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_workers_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_aws\_workers\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_key_pair</b> <i>optional</i>	Key pair of worker configuration.	string
<b>aws_security_group</b> <i>optional</i>	Security group of worker configuration.	string

Name	Description	Schema
<b>aws_subnet</b> <i>optional</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <i>Any</i> .	string
<b>aws_vpc</b> <i>optional</i>	VPC of worker configuration.	string
<b>http_proxy_address</b> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>region</b> <i>optional</i>	Name of the AWS region.	integer
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean
<b>user</b> <i>optional</i>	ID of the owner user.	integer

### 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:* 1.6.0

### 23.8.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_aws_workers_update</b> <i>required</i>	<a href="#">data_aws_workers_update</a>

#### data\_aws\_workers\_update

Name	Description	Schema
<b>account</b> <i>required</i>	ID of the account this resource is associated with.	integer
<b>aws_key_pair</b> <i>optional</i>	Key pair of worker configuration.	string
<b>aws_security_group</b> <i>required</i>	Security group of worker configuration.	string
<b>aws_subnet</b> <i>optional</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <i>Any</i> .	string
<b>aws_vpc</b> <i>required</i>	VPC of worker configuration.	string
<b>http_proxy_address</b> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string

Name	Description	Schema
<b>http_proxy_password_encrypted</b> <i>optional</i>	Proxy password if network access via http proxy on worker configuration.	string
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string
<b>region</b> <i>required</i>	Name of the AWS region.	integer
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean

### 23.8.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_aws_workers_update</a>
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
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>aws_key_pair</b> <i>optional</i>	Key pair of worker configuration.	string
<b>aws_security_group</b> <i>optional</i>	Security group of worker configuration.	string
<b>aws_subnet</b> <i>optional</i>	Name of AWS subnet group. If not specified, AWS subnet and availability zone will be <b>Any</b> .	string
<b>aws_vpc</b> <i>optional</i>	VPC of worker configuration.	string
<b>http_proxy_address</b> <i>optional</i>	Proxy address if network access via http proxy on worker configuration.	string
<b>http_proxy_port</b> <i>optional</i>	Proxy port if network access via http proxy on worker configuration.	integer



Name	Description	Schema
<b>http_proxy_user_name</b> <i>optional</i>	Proxy user name if network access via http proxy on worker configuration.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>region</b> <i>optional</i>	Name of the AWS region.	integer
<b>requires_http_proxy</b> <i>optional</i>	Specify if network access via http proxy on worker configuration.	boolean
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### 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	<b>id</b> <i>required</i>	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	<b>aws_instance_id</b> <i>optional</i>	AWS instance ID of the backup agent.	string
Query	<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * aws_instance_id * last_heard_from * name * user	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * aws_instance_id	string
Query	<b>user</b> <i>optional</i>	Username of the user this backup agent is associated with.	string

### 24.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_agents_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_agents\_list

Name	Description	Schema
<b>aws_instance_id</b> <i>optional</i>	AWS instance ID of the backup agent.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_heard_from</b> <i>optional</i>	Last time this backup agent was connected.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>		< string > array
<b>user</b> <i>optional</i>	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	<b>data_agents_configuration_create</b> <i>required</i>	<a href="#">data_agents_configuration_create</a>

#### data\_agents\_configuration\_create

Name	Description	Schema
<b>agents_configuration</b> <i>required</i>	Configuration string for multiple agents.	string

### 24.2.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_agents_configuration_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_agents\_configuration\_create

Name	Description	Schema
<b>agents_configuration</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_alerts_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_alerts\_list**

Name	Description	Schema
<b>alert_time</b> <i>optional</i>	Time of the Current alert.	string
<b>azure_policy</b> <i>optional</i>		integer
<b>category</b> <i>optional</i>	Current alert's category.	string

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>message_body</b> <i>optional</i>	Current alert's message.	string
<b>policy</b> <i>optional</i>	Current alert's associated policy.	integer
<b>severity</b> <i>optional</i>	Current alert's severity.  <b>Allowed Enum Values</b> * I (Info) * W (Warning) * E (Error) * C (Critical Error)	enum (I, W, E, C)
<b>title</b> <i>optional</i>	Current alert's title.	string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 25.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_alerts_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_alerts\_read**

Name	Description	Schema
<b>alert_time</b> <i>optional</i>	Time of the Current alert.	string
<b>azure_policy</b> <i>optional</i>		integer
<b>category</b> <i>optional</i>	Current alert's category.	string

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>message_body</b> <i>optional</i>	Current alert's message.	string
<b>policy</b> <i>optional</i>	Current alert's associated policy.	integer
<b>severity</b> <i>optional</i>	Current alert's severity.  <b>Allowed Enum Values</b> * I (Info) * W (Warning) * E (Error) * C (Critical Error)	enum (I, W, E, C)
<b>title</b> <i>optional</i>	Current alert's title.	string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	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	< <a href="#">response_aws_clouds_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_aws\_clouds\_list

Name	Description	Schema
<b>code</b> <i>optional</i>	AWS cloud code.	string
<b>display_name</b> <i>optional</i>	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	<code>data_azure_accounts_create</code> <i>required</i>	<code>data_azure_accounts_create</code>

#### data\_azure\_accounts\_create

Name	Description	Schema
<b>authentication</b> <i>optional</i>	Account authentication type.  <b>Allowed Enum Values</b> * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
<b>client</b> <i>optional</i>	Azure registered application's application (client) ID.	string
<b>cloud</b> <i>optional</i>	Cloud name.  <b>Allowed Enum Values</b> * aws (Amazon Web Services) * azure (Microsoft Azure)	enum (aws, azure)

Name	Description	Schema
<b>managed_identity_client_id</b> <i>optional</i>	Azure managed identity client id.	string
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>secret</b> <i>optional</i>	Azure registered application's secret.	string
<b>tenant</b> <i>optional</i>	Azure registered application's directory (tenant) ID.	string
<b>user</b> <i>required</i>	ID of the owner user.	integer

### 27.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_accounts_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_accounts\_create

Name	Description	Schema
<b>authentication</b> <i>optional</i>	Account authentication type.  <b>Allowed Enum Values</b> * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
<b>client</b> <i>optional</i>	Azure registered application's application (client) ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>managed_identity_client_id</b> <i>optional</i>	Azure managed identity client id.	string

Name	Description	Schema
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>		< integer > array
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>tenant</b> <i>optional</i>	Azure registered application's directory (tenant) ID.	string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * client * name * user	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * Name * Tenant * Client	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 27.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_accounts_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_accounts\_list

Name	Description	Schema
<b>authentication</b> <i>optional</i>	Account authentication type.  <b>Allowed Enum Values</b> * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
<b>client</b> <i>optional</i>	Azure registered application's application (client) ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>managed_identity_client_id</b> <i>optional</i>	Azure managed identity client id.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>		< integer > array
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>tenant</b> <i>optional</i>	Azure registered application's directory (tenant) ID.	string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 27.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_accounts_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_azure\_accounts\_read**

Name	Description	Schema
<b>authentication</b> <i>optional</i>	Account authentication type.  <b>Allowed Enum Values</b> * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
<b>client</b> <i>optional</i>	Azure registered application's application (client) ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>managed_identity_client_id</b> <i>optional</i>	Azure managed identity client id.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>related_policies</b> <i>optional</i>		< integer > array
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>tenant</b> <i>optional</i>	Azure registered application's directory (tenant) ID.	string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_azure_accounts_update</b> <i>required</i>	<a href="#">data_azure_accounts_update</a>

#### data\_azure\_accounts\_update

Name	Description	Schema
<b>authentication</b> <i>optional</i>	Account authentication type.  <b>Allowed Enum Values</b> * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
<b>client</b> <i>optional</i>	Azure registered application's application (client) ID.	string
<b>cloud</b> <i>optional</i>	Cloud name.  <b>Allowed Enum Values</b> * aws (Amazon Web Services) * azure (Microsoft Azure)	enum (aws, azure)

Name	Description	Schema
<b>managed_identity_client_id</b> <i>optional</i>	Azure managed identity client id.	string
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>secret</b> <i>optional</i>	Azure registered application's secret.	string
<b>tenant</b> <i>optional</i>	Azure registered application's directory (tenant) ID.	string

### 27.4.3. Responses

HTTP Code	Description	Schema
<b>200</b>	OK	<a href="#">response_azure_accounts_update</a>
<b>400</b>	Bad Request	No Content
<b>401</b>	Unauthorized	No Content
<b>403</b>	Forbidden	No Content
<b>404</b>	Not Found	No Content

#### response\_azure\_accounts\_update

Name	Description	Schema
<b>authentication</b> <i>optional</i>	Account authentication type.  <b>Allowed Enum Values</b> * A (Registered Application) * U (N2WS VM User-assigned identity) * S (N2WS VM System-assigned identity)	enum (A, U, S)
<b>client</b> <i>optional</i>	Azure registered application's application (client) ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>managed_identity_client_id</b> <i>optional</i>	Azure managed identity client id.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

Name	Description	Schema
<b>related_policies</b> <i>optional</i>		< integer > array
<b>scan_resource_types</b> <i>optional</i>	Resource types to scan. If not set, <b>all</b> supported resource types will be scanned.	< integer > array
<b>scan_tagged_resources</b> <i>optional</i>	Whether the current account will be included in scan tags performed by the system or not.	boolean
<b>tenant</b> <i>optional</i>	Azure registered application's directory (tenant) ID.	string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	string

### 27.6.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_accounts_backup_check_azure_permissions</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_accounts\_backup\_check\_azure\_permissions

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Account name for checking Azure permissions.	string
<b>groups</b> <i>optional</i>	Groups of the account for checking Azure permissions.	< object > array
<b>subscription_id</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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	<b>id</b> <i>required</i>	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	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>is_freezer_item</b> <i>optional</i>	Whether this backup item was moved to freezer or not.	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	string
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description	string
Query	<b>search_by_disk</b> <i>optional</i>	None	string
Query	<b>search_by_sql_database</b> <i>optional</i>	None	string
Query	<b>search_by_sql_server</b> <i>optional</i>	None	string
Query	<b>search_by_virtual_machine</b> <i>optional</i>	None	string
Query	<b>start_time</b> <i>optional</i>	Backup's start time.	string
Query	<b>status</b> <i>optional</i>	Backup's status.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 28.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_backups_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_backups\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>cloud</b> <i>optional</i>		string
<b>description</b> <i>optional</i>	Description for the resource.	string

Name	Description	Schema
<b>dr_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>end_time</b> <i>optional</i>	Whether this backup is a retry attempt or not.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_backup_record_empty</b> <i>optional</i>		boolean
<b>is_freezer_item</b> <i>optional</i>	Whether this backup item was moved to freezer or not.	boolean
<b>is_recoverable</b> <i>optional</i>	Can this backup be recovered.	boolean
<b>is_retry</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>move_to_freezer_enabled</b> <i>optional</i>		boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>retry_scheduled</b> <i>optional</i>	Whether a retry is scheduled to be performed or not.	boolean
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup's status. <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string

### 28.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_backups_snapshots_read</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_backups\_snapshots\_read

Name	Description	Schema
<b>account_name</b> <i>optional</i>		string
<b>backed_up_resource_id</b> <i>optional</i>	TODO	string

Name	Description	Schema
<b>deletion_time</b> <i>optional</i>		string
<b>end_time</b> <i>optional</i>		string
<b>location</b> <i>optional</i>	TODO	string
<b>resource_group</b> <i>optional</i>	TODO	string
<b>snapshot_type</b> <i>optional</i>		string
<b>succeeded</b> <i>optional</i>		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	<b>backup_id</b> <i>required</i>	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	<b>backup_id</b> <i>required</i>		string
Query	<b>azure_account</b> <i>optional</i>	None	string
Query	<b>azure_account_name</b> <i>optional</i>	None	string
Query	<b>azure_resource_id</b> <i>optional</i>	ID of the resource in Azure.	string
Query	<b>from_time</b> <i>optional</i>	Include snapshots belonging to backups which started from this time forward.	string
Query	<b>location</b> <i>optional</i>	Snapshot's Azure text location.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>resource</b> <i>optional</i>	A full or partial resource ID to search by.	string



Type	Name	Description	Schema
Query	<b>resource_group</b> <i>optional</i>	Snapshot's Azure resource group.	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 28.4.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_backups_snapshots_disks_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_backups\_snapshots\_disks\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>availability_zones</b> <i>optional</i>		< string > array
<b>azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's Azure ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>encryption</b> <i>optional</i>	Disk encryption set.	<a href="#">response_azure_backups_snapshots_disks_list_encryption</a>

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_os_disk</b> <i>optional</i>	Indicates if disk is OS disk.	boolean
<b>location</b> <i>optional</i>	Snapshot's Azure text location.	string
<b>lun</b> <i>optional</i>		integer
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>resource_group</b> <i>optional</i>	Snapshot's Azure resource group.	string
<b>size</b> <i>optional</i>	Size of the disk (Gib).	integer
<b>sku</b> <i>optional</i>		string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	integer
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>snapshot_azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's Azure ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('disk')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string

Name	Description	Schema
<b>virtual_machine_id</b> <i>optional</i>	Virtual Machine's ID if an attached disk, otherwise 'null'.	string
<b>virtual_machine_name</b> <i>optional</i>	Virtual Machine's name if an attached disk, otherwise 'null'.	string

#### response\_azure\_backups\_snapshots\_disks\_list\_encryption

Name	Schema
<b>encryption_set_id</b> <i>optional</i>	string
<b>type</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 28.5.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_backups_snapshots_disks_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_backups\_snapshots\_disks\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	Associated account ID.	integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

Name	Description	Schema
<b>availability_zones</b> <i>optional</i>		< string > array
<b>azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's Azure ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>encryption</b> <i>optional</i>	Disk encryption set.	<a href="#">response_azure_backups_snapshots_disks_read_encryption</a>
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_os_disk</b> <i>optional</i>	Indicates if disk is OS disk.	boolean
<b>location</b> <i>optional</i>	Snapshot's Azure text location.	string
<b>lun</b> <i>optional</i>		integer
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>resource_group</b> <i>optional</i>	Snapshot's Azure resource group.	string
<b>size</b> <i>optional</i>	Size of the disk (Gib).	integer
<b>sku</b> <i>optional</i>		string
<b>snapshot_account_id</b> <i>optional</i>	ID of the account in which the snapshot was created.	integer
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string

Name	Description	Schema
<b>snapshot_azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>snapshot_azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's Azure ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('disk')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>virtual_machine_id</b> <i>optional</i>	Virtual Machine's ID if an attached disk, otherwise 'null'.	string
<b>virtual_machine_name</b> <i>optional</i>	Virtual Machine's name if an attached disk, otherwise 'null'.	string

**response\_azure\_backups\_snapshots\_disks\_read\_encryption**

Name	Schema
<b>encryption_set_id</b> <i>optional</i>	string
<b>type</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_azure_backups_snapshots_disks_recover_create</b> <i>required</i>	<code>data_azure_backups_snapshots_disks_recover_create</code>

#### data\_azure\_backups\_snapshots\_disks\_recover\_create

Name	Description	Schema
<b>availability_zones</b> <i>optional</i>		< string > array
<b>encryption_set_id</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string



Name	Description	Schema
<b>preserve_tags</b> <i>optional</i>		boolean
<b>resource_group</b> <i>optional</i>		string
<b>size</b> <i>optional</i>		integer

### 28.7.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_azure_backups_snapshots_disks_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer

Name	Description	Schema
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>user</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>		string
Query	<b>azure_account</b> <i>optional</i>	None	string
Query	<b>azure_account_name</b> <i>optional</i>	None	string
Query	<b>azure_resource_id</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	Include snapshots belonging to backups which started from this time forward.	string
Query	<b>location</b> <i>optional</i>	Snapshot's Azure text location.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>resource</b> <i>optional</i>	None	string

Type	Name	Description	Schema
Query	<b>resource_group</b> <i>optional</i>	Snapshot's Azure resource group.	string
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 28.8.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_backups_snapshots_dr_disks_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### **response\_azure\_backups\_snapshots\_dr\_disks\_list**

Name	Description	Schema
<b>account_id</b> <i>optional</i>		integer
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>availability_zones</b> <i>optional</i>		< string > array
<b>azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's Azure ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>blob_name</b> <i>optional</i>	Blob name (snapshot copy)	string
<b>container_name</b> <i>optional</i>	Blob's Container name	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string

Name	Description	Schema
<b>encryption</b> <i>optional</i>	Disk encryption set.	<a href="#">response_azure_backups_snapshots_dr_disks_list_encryption</a>
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_os_disk</b> <i>optional</i>	Indicates if disk is OS disk.	boolean
<b>location</b> <i>optional</i>		string
<b>lun</b> <i>optional</i>		string
<b>original_snap</b> <i>optional</i>		string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>resource_group</b> <i>optional</i>		string
<b>size</b> <i>optional</i>		integer
<b>sku</b> <i>optional</i>		string
<b>snapshot_account_id</b> <i>optional</i>		integer
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>snapshot_azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's Azure ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('disk')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string

Name	Description	Schema
<b>storage_account_id</b> <i>optional</i>	Storage Account Azure ID.	string
<b>storage_account_name</b> <i>optional</i>	Storage Account name.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>tags</b> <i>optional</i>	Disk tags	object
<b>username</b> <i>optional</i>	Name of the owner user.	string
<b>virtual_machine_id</b> <i>optional</i>	Virtual Machine's ID if an attached disk, otherwise 'null'.	string
<b>virtual_machine_name</b> <i>optional</i>	Virtual Machine's name if an attached disk, otherwise 'null'.	string

**response\_azure\_backups\_snapshots\_dr\_disks\_list\_encryption**

Name	Schema
<b>encryption_set_id</b> <i>optional</i>	string
<b>type</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 28.9.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_backups_snapshots_dr_disks_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_backups\_snapshots\_dr\_disks\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>		integer
<b>account_name</b> <i>optional</i>	Associated account name.	string

Name	Description	Schema
<b>availability_zones</b> <i>optional</i>		< string > array
<b>azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's Azure ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>blob_name</b> <i>optional</i>	Blob name (snapshot copy)	string
<b>container_name</b> <i>optional</i>	Blob's Container name	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>encryption</b> <i>optional</i>	Disk encryption set.	<a href="#">response_azure_backups_snapshots_dr_disks_read_encryption</a>
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_os_disk</b> <i>optional</i>	Indicates if disk is OS disk.	boolean
<b>location</b> <i>optional</i>		string
<b>lun</b> <i>optional</i>		string
<b>original_snap</b> <i>optional</i>		string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>resource_group</b> <i>optional</i>		string
<b>size</b> <i>optional</i>		integer



Name	Description	Schema
<b>sku</b> <i>optional</i>		string
<b>snapshot_account_id</b> <i>optional</i>		integer
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>snapshot_azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's Azure ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('disk')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>storage_account_id</b> <i>optional</i>	Storage Account Azure ID.	string
<b>storage_account_name</b> <i>optional</i>	Storage Account name.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>tags</b> <i>optional</i>	Disk tags	object
<b>username</b> <i>optional</i>	Name of the owner user.	string
<b>virtual_machine_id</b> <i>optional</i>	Virtual Machine's ID if an attached disk, otherwise 'null'.	string
<b>virtual_machine_name</b> <i>optional</i>	Virtual Machine's name if an attached disk, otherwise 'null'.	string

**response\_azure\_backups\_snapshots\_dr\_disks\_read\_encryption**

Name	Schema
<b>encryption_set_id</b> <i>optional</i>	string
<b>type</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_azure_backups_snapshots_dr_disks_recover_create</b> <i>required</i>	<a href="#">data_azure_backups_snapshots_dr_disks_recover_create</a>

#### data\_azure\_backups\_snapshots\_dr\_disks\_recover\_create

Name	Description	Schema
<b>availability_zones</b> <i>optional</i>		< string > array
<b>encryption_set_id</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string

Name	Description	Schema
<b>preserve_tags</b> <i>optional</i>		boolean
<b>resource_group</b> <i>optional</i>		string
<b>size</b> <i>optional</i>		integer

### 28.11.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_azure_backups_snapshots_dr_disks_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer

Name	Description	Schema
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>user</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>resource</b> <i>optional</i>	None	string

### 28.12.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_backups_snapshots_sql_databases_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_backups\_snapshots\_sql\_databases\_list**

Name	Description	Schema
<b>account_id</b> <i>optional</i>		integer
<b>account_name</b> <i>optional</i>		string
<b>azure_account_client</b> <i>optional</i>		string
<b>azure_account_tenant</b> <i>optional</i>		string
<b>backed_up_resource_id</b> <i>optional</i>		string
<b>backed_up_resource_name</b> <i>optional</i>		string
<b>backup_id</b> <i>optional</i>		string
<b>blob_name</b> <i>optional</i>		string
<b>container_name</b> <i>optional</i>		string
<b>deletion_time</b> <i>optional</i>		string
<b>edition</b> <i>optional</i>		string
<b>end_time</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>max_size_bytes</b> <i>optional</i>		integer
<b>policy_name</b> <i>optional</i>		string
<b>resource_group</b> <i>optional</i>		string
<b>service_objective_name</b> <i>optional</i>		string
<b>snapshot_account_id</b> <i>optional</i>		integer



Name	Description	Schema
<b>snapshot_account_name</b> <i>optional</i>		string
<b>snapshot_azure_account_client</b> <i>optional</i>		string
<b>snapshot_azure_account_tenant</b> <i>optional</i>		string
<b>snapshot_id</b> <i>optional</i>		string
<b>snapshot_type</b> <i>optional</i>		string
<b>sql_server_id</b> <i>optional</i>		string
<b>sql_server_name</b> <i>optional</i>		string
<b>start_time</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>storage_account_id</b> <i>optional</i>		string
<b>storage_account_name</b> <i>optional</i>		string
<b>succeeded</b> <i>optional</i>		boolean
<b>tags</b> <i>optional</i>		object
<b>username</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 28.13.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_backups_snapshots_sql_databases_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_backups\_snapshots\_sql\_databases\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>		integer
<b>account_name</b> <i>optional</i>		string

Name	Description	Schema
<b>azure_account_client</b> <i>optional</i>		string
<b>azure_account_tenant</b> <i>optional</i>		string
<b>backed_up_resource_id</b> <i>optional</i>		string
<b>backed_up_resource_name</b> <i>optional</i>		string
<b>backup_id</b> <i>optional</i>		string
<b>blob_name</b> <i>optional</i>		string
<b>container_name</b> <i>optional</i>		string
<b>deletion_time</b> <i>optional</i>		string
<b>edition</b> <i>optional</i>		string
<b>end_time</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>max_size_bytes</b> <i>optional</i>		integer
<b>policy_name</b> <i>optional</i>		string
<b>resource_group</b> <i>optional</i>		string
<b>service_objective_name</b> <i>optional</i>		string
<b>snapshot_account_id</b> <i>optional</i>		integer
<b>snapshot_account_name</b> <i>optional</i>		string
<b>snapshot_azure_account_client</b> <i>optional</i>		string

Name	Description	Schema
<b>snapshot_azure_account_tenant</b> <i>optional</i>		string
<b>snapshot_id</b> <i>optional</i>		string
<b>snapshot_type</b> <i>optional</i>		string
<b>sql_server_id</b> <i>optional</i>		string
<b>sql_server_name</b> <i>optional</i>		string
<b>start_time</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>storage_account_id</b> <i>optional</i>		string
<b>storage_account_name</b> <i>optional</i>		string
<b>succeeded</b> <i>optional</i>		boolean
<b>tags</b> <i>optional</i>		object
<b>username</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	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	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_azure_backups_snapshots_sql_databases_recover_create</b> <i>required</i>	<a href="#">data_azure_backups_snapshots_sql_databases_recover_create</a>

#### data\_azure\_backups\_snapshots\_sql\_databases\_recover\_create

Name	Description	Schema
<b>administrator_login</b> <i>required</i>		string
<b>administrator_login_password</b> <i>required</i>		string
<b>attach_to_sql_server</b> <i>required</i>		string

Name	Description	Schema
<b>edition</b> <i>optional</i>		string
<b>max_size_bytes</b> <i>optional</i>		integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>preserve_tags</b> <i>optional</i>		boolean
<b>service_objective_name</b> <i>optional</i>		string

### 28.15.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_azure_backups_snapshots_sql_databases_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>user</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>resource</b> <i>optional</i>	None	string

### 28.16.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_backups_snapshots_sql_servers_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_backups\_snapshots\_sql\_servers\_list**

Name	Description	Schema
<b>account_id</b> <i>optional</i>	TODO	integer
<b>backed_up_resource_id</b> <i>optional</i>	TODO	string
<b>backed_up_resource_name</b> <i>optional</i>	TODO	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>	TODO	string
<b>minimal_tls_version</b> <i>optional</i>		string
<b>public_network_access</b> <i>optional</i>		boolean
<b>resource_group</b> <i>optional</i>	TODO	string
<b>version</b> <i>optional</i>		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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 28.17.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_backups_snapshots_sql_servers_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_backups\_snapshots\_sql\_servers\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	TODO	integer
<b>backed_up_resource_id</b> <i>optional</i>	TODO	string

Name	Description	Schema
<b>backed_up_resource_name</b> <i>optional</i>	TODO	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>	TODO	string
<b>minimal_tls_version</b> <i>optional</i>		string
<b>public_network_access</b> <i>optional</i>		boolean
<b>resource_group</b> <i>optional</i>	TODO	string
<b>version</b> <i>optional</i>		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	<b>backup_id</b> <i>required</i>	string
Path	<b>snapshot_record_id</b> <i>required</i>	string
Body	<b>data_azure_backups_snapshots_sql_servers_recover_create</b> <i>required</i>	<code>data_azure_backups_snapshots_sql_servers_recover_create</code>

#### data\_azure\_backups\_snapshots\_sql\_servers\_recover\_create

Name	Description	Schema
<b>administrator_login</b> <i>required</i>		string
<b>administrator_login_password</b> <i>required</i>		string

Name	Description	Schema
<b>databases</b> <i>required</i>		< data_azure_backups_snapshots_sql_servers_recover_create_databases > array
<b>location</b> <i>optional</i>		string
<b>minimal_tls_version</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>preserve_tags</b> <i>optional</i>		boolean
<b>public_network_access</b> <i>optional</i>		boolean
<b>resource_group</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string
<b>version</b> <i>optional</i>		string

**data\_azure\_backups\_snapshots\_sql\_servers\_recover\_create\_databases**

Name	Description	Schema
<b>edition</b> <i>optional</i>		string
<b>id</b> <i>required</i>	Unique ID of the resource in N2WS.	integer
<b>max_size_bytes</b> <i>optional</i>		integer
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>preserve_tags</b> <i>optional</i>		boolean
<b>service_objective_name</b> <i>optional</i>		string

### 28.18.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_azure_backups_snapshots_sql_servers_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)

Name	Description	Schema
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>user</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>resource</b> <i>optional</i>	None	string

### 28.19.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_backups_snapshots_virtual_machines_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_backups\_snapshots\_virtual\_machines\_list**

Name	Description	Schema
<b>account_id</b> <i>optional</i>	TODO	integer
<b>additional_nics</b> <i>optional</i>	TODO	string
<b>availability_set_id</b> <i>optional</i>	Availability set ID.	string
<b>availability_zones</b> <i>optional</i>	Availability zones.	< string > array
<b>backed_up_resource_id</b> <i>optional</i>	TODO	string
<b>backed_up_resource_name</b> <i>optional</i>	TODO	string
<b>host_group_id</b> <i>optional</i>	Host group ID.	string
<b>host_id</b> <i>optional</i>	Host ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_sku</b> <i>optional</i>	TODO	string
<b>location</b> <i>optional</i>	TODO	string
<b>nic</b> <i>optional</i>	TODO	string
<b>os_type</b> <i>optional</i>	TODO	string
<b>private_ip_address</b> <i>optional</i>	TODO	string
<b>proximity_placement_group_id</b> <i>optional</i>	Proximity placement group ID.	string
<b>resource_group</b> <i>optional</i>	TODO	string
<b>security_group</b> <i>optional</i>	TODO	string
<b>subnet</b> <i>optional</i>	TODO	string
<b>vm_size</b> <i>optional</i>	TODO	string

Name	Description	Schema
<b>vnet</b> <i>optional</i>		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	<b>backup_id</b> <i>required</i>	string
Path	<b>id</b> <i>required</i>	string

### 28.20.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_backups_snapshots_virtual_machines_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_backups\_snapshots\_virtual\_machines\_read

Name	Description	Schema
<b>account_id</b> <i>optional</i>	TODO	integer
<b>additional_nics</b> <i>optional</i>	TODO	string

Name	Description	Schema
<b>availability_set_id</b> <i>optional</i>	Availability set ID.	string
<b>availability_zones</b> <i>optional</i>	Availability zones.	< string > array
<b>backed_up_resource_id</b> <i>optional</i>	TODO	string
<b>backed_up_resource_name</b> <i>optional</i>	TODO	string
<b>host_group_id</b> <i>optional</i>	Host group ID.	string
<b>host_id</b> <i>optional</i>	Host ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>image_sku</b> <i>optional</i>	TODO	string
<b>location</b> <i>optional</i>	TODO	string
<b>nic</b> <i>optional</i>	TODO	string
<b>os_type</b> <i>optional</i>	TODO	string
<b>private_ip_address</b> <i>optional</i>	TODO	string
<b>proximity_placement_group_id</b> <i>optional</i>	Proximity placement group ID.	string
<b>resource_group</b> <i>optional</i>	TODO	string
<b>security_group</b> <i>optional</i>	TODO	string
<b>subnet</b> <i>optional</i>	TODO	string
<b>vm_size</b> <i>optional</i>	TODO	string
<b>vnet</b> <i>optional</i>		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:* 2.1.0

### 28.21.2. Parameters

Type	Name	Schema
Path	<code>backup_id</code> <i>required</i>	string
Path	<code>snapshot_record_id</code> <i>required</i>	string
Body	<code>data_azure_backups_snapshots_virtual_machines_recover_create</code> <i>required</i>	<code>data_azure_backups_snapshots_virtual_machines_recover_create</code>

#### `data_azure_backups_snapshots_virtual_machines_recover_create`

Name	Description	Schema
<code>availability_set_id</code> <i>optional</i>		string
<code>availability_zones</code> <i>optional</i>		< string > array

Name	Description	Schema
<b>disks</b> <i>required</i>		< data_azure_backups_snapshots_virtual_machines_recover_create_disks > array
<b>host_group_id</b> <i>optional</i>		string
<b>host_id</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>nic_name</b> <i>optional</i>		string
<b>nic_subnet</b> <i>required</i>		string
<b>preserve_tags</b> <i>required</i>		boolean
<b>private_ip_address</b> <i>optional</i>		string
<b>proximity_placement_group_id</b> <i>optional</i>		string
<b>resource_group</b> <i>required</i>		string
<b>security_group</b> <i>optional</i>		string
<b>to_location</b> <i>optional</i>		string
<b>vm_size</b> <i>optional</i>		string

**data\_azure\_backups\_snapshots\_virtual\_machines\_recover\_create\_disks**

Name	Description	Schema
<b>availability_zones</b> <i>optional</i>		< string > array
<b>encryption_set_id</b> <i>optional</i>		string
<b>id</b> <i>required</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>is_os_disk</b> <i>optional</i>		boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>preserve_tags</b> <i>optional</i>		boolean
<b>resource_group</b> <i>optional</i>		string
<b>size</b> <i>optional</i>		integer

### 28.21.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_azure_backups_snapshots_virtual_machines_recover_create</a>
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
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer



Name	Description	Schema
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>user</b> <i>optional</i>	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	<b>backup_id</b> <i>required</i>	string
Body	<b>data_azure_backups_to_freezer_create</b> <i>required</i>	<a href="#">data_azure_backups_to_freezer_create</a>

#### data\_azure\_backups\_to\_freezer\_create

Name	Description	Schema
<b>description</b> <i>required</i>	Description for the resource.	string
<b>name</b> <i>required</i>	Name of the resource.	string

### 28.22.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_backups_to_freezer_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_backups\_to\_freezer\_create**

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>end_time</b> <i>optional</i>	Whether this backup is a retry attempt or not.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_retry</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>marked_for_deletion</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>retry_scheduled</b> <i>optional</i>	Whether a retry is scheduled to be performed or not.	boolean
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup's status. <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string

### 28.23.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_backups_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_backups\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>cloud</b> <i>optional</i>		string
<b>description</b> <i>optional</i>	Description for the resource.	string

Name	Description	Schema
<b>dr_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>end_time</b> <i>optional</i>	Whether this backup is a retry attempt or not.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_backup_record_empty</b> <i>optional</i>		boolean
<b>is_freezer_item</b> <i>optional</i>	Whether this backup item was moved to freezer or not.	boolean
<b>is_recoverable</b> <i>optional</i>	Can this backup be recovered.	boolean
<b>is_retry</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>move_to_freezer_enabled</b> <i>optional</i>		boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>retry_scheduled</b> <i>optional</i>	Whether a retry is scheduled to be performed or not.	boolean
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup's status. <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	string
Body	<b>data_azure_backups_update</b> <i>required</i>	<a href="#">data_azure_backups_update</a>

#### data\_azure\_backups\_update

Name	Description	Schema
<b>description</b> <i>required</i>	Description for the resource.	string
<b>name</b> <i>required</i>	Name of the resource.	string
<b>subscription_id</b> <i>required</i>		string

### 28.24.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_backups_update</a>

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
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>cloud</b> <i>optional</i>		string
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>end_time</b> <i>optional</i>	Whether this backup is a retry attempt or not.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_backup_record_empty</b> <i>optional</i>		boolean
<b>is_freezer_item</b> <i>optional</i>	Whether this backup item was moved to freezer or not.	boolean
<b>is_recoverable</b> <i>optional</i>	Can this backup be recovered.	boolean
<b>is_retry</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>move_to_freezer_enabled</b> <i>optional</i>		boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	integer
<b>retry_scheduled</b> <i>optional</i>	Whether a retry is scheduled to be performed or not.	boolean
<b>start_time</b> <i>optional</i>	Backup's start time.	string

Name	Description	Schema
<b>status</b> <i>optional</i>	Backup's status.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	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	<b>id</b> <i>required</i>	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

```
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	<b>id</b> <i>required</i>		string
Query	<b>severity</b> <i>optional</i>	None	string

### 28.26.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_backups_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_backups\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string

Name	Description	Schema
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	Severity of the logging.	string

#### 28.26.4. Produces

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

# Chapter 29. Azure Policies

## 29.1. Create an Azure Policy

POST /api/azure/policies/

### 29.1.1. 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

### 29.1.2. Parameters

Type	Name	Schema
Body	<b>data_azure_policies_create</b> <i>required</i>	<a href="#">data_azure_policies_create</a>

#### data\_azure\_policies\_create

Name	Description	Schema
<b>account</b> <i>required</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer

Name	Description	Schema
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>subscription_id</b> <i>required</i>		string

### 29.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_policies_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_policies\_create

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### 29.1.4. Consumes

- `application/json`

#### 29.1.5. Produces

- `application/json`

## 29.2. List Azure Policies

```
GET /api/azure/policies/
```

### 29.2.1. 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*

### 29.2.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	Account the policy is associated with.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * enabled * generations * name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	string



Type	Name	Description	Schema
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule * Associated subscription id	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 29.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_policies_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_policies\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### 29.2.4. Produces

- `application/json`

## 29.3. Retrieve an Azure Policy

```
GET /api/azure/policies/{id}/
```

### 29.3.1. 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

### 29.3.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 29.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_policies\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer

Name	Description	Schema
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

### 29.3.4. Produces

- application/json

## 29.4. Update an Azure Policy

```
PUT /api/azure/policies/{id}/
```

### 29.4.1. 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

### 29.4.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_azure_policies_update</b> <i>required</i>	<a href="#">data_azure_policies_update</a>

#### data\_azure\_policies\_update

Name	Description	Schema
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer

Name	Description	Schema
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array

### 29.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_update</a>
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
<b>account</b> <i>optional</i>	Account the policy is associated with.	integer
<b>auto_remove_resource</b> <i>optional</i>	If set, automatically removes resources that no longer exist.  <b>Allowed Enum Values</b> * N (No) * Y (Yes) * A (Yes and alert)	enum (N, Y, A)
<b>cloud</b> <i>optional</i>		string
<b>created_by_tag</b> <i>optional</i>	Was this policy created by tag.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the policy will be enabled.	boolean
<b>generations</b> <i>optional</i>	Number of generations of backup data to keep.	integer
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>last_recovery_time</b> <i>optional</i>	Last time a backup of the current policy was recovered.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this policy for when to backup.	< integer > array
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### 29.4.4. Consumes

- application/json

#### 29.4.5. Produces

- application/json

## 29.5. Delete an Azure Policy

```
DELETE /api/azure/policies/{id}/
```

### 29.5.1. 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

### 29.5.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 29.5.3. Responses

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



## 29.6. Create a N2WS policy backup ASAP

```
POST /api/azure/policies/{id}/backups/
```

### 29.6.1. 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

### 29.6.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 29.6.3. Responses

HTTP Code	Description	Schema
202	Accepted	<a href="#">response_azure_policies_create_backups</a>
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
<b>tracker_id</b> <i>optional</i>	Tracker ID of backup record progress.	integer



#### 29.6.4. Produces

- `application/json`

## 29.7. Show 'Copy to Storage Account repository' options of a N2WS policy

```
GET /api/azure/policies/{id}/copy_to_storage_account/
```

### 29.7.1. 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

### 29.7.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 29.7.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_copy_to_storage_account_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_policies\_copy\_to\_storage\_account\_read

Name	Description	Schema
<b>enabled</b> <i>optional</i>	If set, the S3 Copy will be enabled.	boolean

Name	Description	Schema
<b>storage_account_repository</b> <i>optional</i>		integer

#### 29.7.4. Produces

- `application/json`

## 29.8. Update 'Copy to Storage Account repository' options of a N2WS policy

```
PUT /api/azure/policies/{id}/copy_to_storage_account/
```

### 29.8.1. 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

### 29.8.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_azure_policies_copy_to_storage_account_update</b> <i>required</i>	<a href="#">data_azure_policies_copy_to_storage_account_update</a>

#### data\_azure\_policies\_copy\_to\_storage\_account\_update

Name	Description	Schema
<b>enabled</b> <i>required</i>	If set, the S3 Copy will be enabled.	boolean
<b>storage_account_repository</b> <i>optional</i>		integer

### 29.8.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_copy_to_storage_account_update</a>

HTTP Code	Description	Schema
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
<b>enabled</b> <i>optional</i>	If set, the S3 Copy will be enabled.	boolean
<b>storage_account_repository</b> <i>optional</i>		integer

**29.8.4. Consumes**

- `application/json`

**29.8.5. Produces**

- `application/json`

## 29.9. Retrieve DR options of a N2WS policy

```
GET /api/azure/policies/{id}/dr/
```

### 29.9.1. 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:* 2.1.0

### 29.9.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 29.9.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_dr_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_policies\_dr\_read

Name	Schema
<b>dr_enabled</b> <i>optional</i>	boolean
<b>dr_frequency</b> <i>optional</i>	integer

Name	Schema
<b>dr_timeout_hours</b> <i>optional</i>	integer

#### 29.9.4. Produces

- `application/json`



## 29.10. Update DR options of a N2WS policy

```
PUT /api/azure/policies/{id}/dr/
```

### 29.10.1. 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:* **2.1.0**

### 29.10.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_azure_policies_dr_update</b> <i>required</i>	<a href="#">data_azure_policies_dr_update</a>

#### data\_azure\_policies\_dr\_update

Name	Schema
<b>dr_enabled</b> <i>optional</i>	boolean
<b>dr_frequency</b> <i>optional</i>	integer
<b>dr_timeout_hours</b> <i>optional</i>	integer

### 29.10.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_dr_update</a>
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
<b>dr_enabled</b> <i>optional</i>	boolean
<b>dr_frequency</b> <i>optional</i>	integer
<b>dr_timeout_hours</b> <i>optional</i>	integer

### 29.10.4. Consumes

- `application/json`

### 29.10.5. Produces

- `application/json`

## 29.11. Retrieve options of a N2WS policy

```
GET /api/azure/policies/{id}/options/
```

### 29.11.1. 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

### 29.11.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 29.11.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_options_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_policies\_options\_read

Name	Description	Schema
<b>considered_successful</b> <i>optional</i>	<b>Allowed Enum Values</b> * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)

Name	Description	Schema
<b>minutes_between_retries</b> <i>optional</i>		integer
<b>num_failures_for_alert</b> <i>optional</i>		integer
<b>number_of_retries</b> <i>optional</i>		integer

#### 29.11.4. Produces

- `application/json`

## 29.12. Update options of a N2WS policy

```
PUT /api/azure/policies/{id}/options/
```

### 29.12.1. 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

### 29.12.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_azure_policies_options_update</b> <i>required</i>	<a href="#">data_azure_policies_options_update</a>

#### data\_azure\_policies\_options\_update

Name	Description	Schema
<b>considered_successful</b> <i>optional</i>	<b>Allowed Enum Values</b> * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
<b>minutes_between_retries</b> <i>optional</i>		integer
<b>num_failures_for_alert</b> <i>optional</i>		integer
<b>number_of_retries</b> <i>optional</i>		integer

### 29.12.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_options_update</a>
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
<b>considered_successful</b> <i>optional</i>	<b>Allowed Enum Values</b> * B (Finished with no Issues) * A (Snapshots Succeeded. Even if scripts or VSS failed)	enum (B, A)
<b>minutes_between_retries</b> <i>optional</i>		integer
<b>num_failures_for_alert</b> <i>optional</i>		integer
<b>number_of_retries</b> <i>optional</i>		integer

### 29.12.4. Consumes

- `application/json`

### 29.12.5. Produces

- `application/json`

## 29.13. Delete all snapshots of a N2WS policy

```
DELETE /api/azure/policies/{id}/snapshots/
```

### 29.13.1. 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

### 29.13.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 29.13.3. 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

## 29.14. List a policy’s future scheduled run times

```
GET /api/azure/policies/{policy_id}/run_times/
```

### 29.14.1. 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

### 29.14.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Query	<b>days_ahead</b> <i>required</i>	Days ahead to calculate scheduled run times for.	number

### 29.14.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_policies_run_times_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_policies\_run\_times\_list

Name	Description	Schema
<b>schedule_name</b> <i>optional</i>	Name of schedule the backup is running.	string
<b>schedule_time</b> <i>optional</i>	Date and time for a future backup for the timezone defined in <b>schedule_timezone</b> .	string
<b>schedule_timezone</b> <i>optional</i>	Timezone the schedule was configured with.	string



Name	Description	Schema
<b>system_time</b> <i>optional</i>	Date and time for a future backup for the timezone defined in <code>system_timezone</code> .	string
<b>system_timezone</b> <i>optional</i>	Timezone the system was configured with.	string
<b>time</b> <i>optional</i>	Date and time for a future backup in UTC.	string

#### 29.14.4. Produces

- `application/json`

## 29.15. Add a disk to a N2WS Azure policy

```
POST /api/azure/policies/{policy_id}/targets/disks/
```

### 29.15.1. 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

### 29.15.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_azure_policies_targets_disks_create</b> <i>required</i>	<a href="#">data_azure_policies_targets_disks_create</a>

#### data\_azure\_policies\_targets\_disks\_create

Name	Description	Schema
<b>azure_id</b> <i>required</i>	ID of the resource in Azure.	string
<b>tagged</b> <i>optional</i>	Whether this resource has a N2WS backup tag.	boolean

### 29.15.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_policies_targets_disks_create</a>
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
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>size</b> <i>optional</i>	Size of the resource (in GiB).	integer
<b>sku</b> <i>optional</i>	The type of the disk.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>	Whether this resource has a N2WS backup tag.	boolean

**29.15.4. Consumes**

- `application/json`

**29.15.5. Produces**

- `application/json`

## 29.16. List the protected disks of a N2WS Azure policy

```
GET /api/azure/policies/{policy_id}/targets/disks/
```

### 29.16.1. 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

### 29.16.2. Parameters

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

### 29.16.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_policies_targets_disks_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_policies\_targets\_disks\_list

Name	Description	Schema
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>size</b> <i>optional</i>	Size of the resource (in GiB).	integer
<b>sku</b> <i>optional</i>	The type of the disk.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>	Whether this resource has a N2WS backup tag.	boolean

#### 29.16.4. Produces

- `application/json`

## 29.17. Retrieve a protected disk of a N2WS Azure policy

```
GET /api/azure/policies/{policy_id}/targets/disks/{id}/
```

### 29.17.1. 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

### 29.17.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 29.17.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_targets_disks_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_policies\_targets\_disks\_read

Name	Description	Schema
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>size</b> <i>optional</i>	Size of the resource (in GiB).	integer
<b>sku</b> <i>optional</i>	The type of the disk.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>	Whether this resource has a N2WS backup tag.	boolean

#### 29.17.4. Produces

- `application/json`

## 29.18. Delete a disk from a N2WS Azure policy

```
DELETE /api/azure/policies/{policy_id}/targets/disks/{id}/
```

### 29.18.1. 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

### 29.18.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 29.18.3. Responses

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



## 29.19. Add a SQL server to a N2WS policy

```
POST /api/azure/policies/{policy_id}/targets/sql_servers/
```

### 29.19.1. 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

### 29.19.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_azure_policies_targets_sql_servers_create</b> <i>required</i>	<a href="#">data_azure_policies_targets_sql_servers_create</a>

#### data\_azure\_policies\_targets\_sql\_servers\_create

Name	Description	Schema
<b>azure_id</b> <i>required</i>		string
<b>which_databases</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.19.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_policies_targets_sql_servers_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

### response\_azure\_policies\_targets\_sql\_servers\_create

Name	Description	Schema
<b>azure_id</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_group</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string
<b>which_databases</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.19.4. Consumes

- `application/json`

### 29.19.5. Produces

- `application/json`

## 29.20. List the protected SQL servers of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/sql_servers/
```

### 29.20.1. 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

### 29.20.2. Parameters

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

### 29.20.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_policies_targets_sql_servers_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_policies\_targets\_sql\_servers\_list

Name	Description	Schema
<b>azure_id</b> <i>optional</i>		string

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_group</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string
<b>which_databases</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

#### 29.20.4. Produces

- `application/json`

## 29.21. Retrieve a protected SQL server of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/sql_servers/{id}/
```

### 29.21.1. 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

### 29.21.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 29.21.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_targets_sql_servers_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_policies\_targets\_sql\_servers\_read

Name	Description	Schema
<b>azure_id</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_group</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string
<b>which_databases</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

#### 29.21.4. Produces

- `application/json`

## 29.22. Update a SQL server of a N2WS policy

```
PUT /api/azure/policies/{policy_id}/targets/sql_servers/{id}/
```

### 29.22.1. 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

### 29.22.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_azure_policies_targets_sql_servers_update</b> <i>required</i>	<a href="#">data_azure_policies_targets_sql_servers_update</a>

#### data\_azure\_policies\_targets\_sql\_servers\_update

Name	Description	Schema
<b>which_databases</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.22.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_targets_sql_servers_update</a>

HTTP Code	Description	Schema
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
<b>azure_id</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_group</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string
<b>which_databases</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

**29.22.4. Consumes**

- application/json

**29.22.5. Produces**

- application/json



## 29.23. Delete a SQL server from a N2WS policy

```
DELETE /api/azure/policies/{policy_id}/targets/sql_servers/{id}/
```

### 29.23.1. 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

### 29.23.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 29.23.3. Responses

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

## 29.24. 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/
```

### 29.24.1. 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

### 29.24.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Path	<b>sql_server_id</b> <i>required</i>	string
Body	<b>data_azure_policies_targets_sql_servers_databases_create</b> <i>required</i>	<a href="#">data_azure_policies_targets_sql_servers_databases_create</a>

#### data\_azure\_policies\_targets\_sql\_servers\_databases\_create

Name	Schema
<b>azure_id</b> <i>required</i>	string

### 29.24.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_policies_targets_sql_servers_databases_create</a>

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
<b>azure_id</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_group</b> <i>optional</i>		string
<b>server_azure_id</b> <i>optional</i>		string
<b>server_name</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string

**29.24.4. Consumes**

- `application/json`

**29.24.5. Produces**

- `application/json`

## 29.25. 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/
```

### 29.25.1. 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

### 29.25.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Path	<b>sql_server_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 29.25.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_policies_targets_sql_servers_databases_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_policies\_targets\_sql\_servers\_databases\_list**

Name	Description	Schema
<b>azure_id</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_group</b> <i>optional</i>		string
<b>server_azure_id</b> <i>optional</i>		string
<b>server_name</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string

#### 29.25.4. Produces

- `application/json`

## 29.26. 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}/
```

### 29.26.1. 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

### 29.26.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Path	<b>sql_server_id</b> <i>required</i>	string

### 29.26.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_targets_sql_servers_databases_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_azure\_policies\_targets\_sql\_servers\_databases\_read**

Name	Description	Schema
<b>azure_id</b> <i>optional</i>		string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>resource_group</b> <i>optional</i>		string
<b>server_azure_id</b> <i>optional</i>		string
<b>server_name</b> <i>optional</i>		string
<b>status</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string

#### 29.26.4. Produces

- `application/json`

## 29.27. 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}/
```

### 29.27.1. 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

### 29.27.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Path	<b>sql_server_id</b> <i>required</i>	string

### 29.27.3. Responses

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



## 29.28. Add a virtual machine to a N2WS policy

```
POST /api/azure/policies/{policy_id}/targets/virtual_machines/
```

### 29.28.1. 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

### 29.28.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_azure_policies_targets_virtual_machines_create</b> <i>required</i>	<a href="#">data_azure_policies_targets_virtual_machines_create</a>

#### data\_azure\_policies\_targets\_virtual\_machines\_create

Name	Description	Schema
<b>azure_id</b> <i>required</i>	ID of the resource in Azure.	string
<b>tagged</b> <i>optional</i>		boolean
<b>which_disks</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.28.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_policies_targets_virtual_machines_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_policies\_targets\_virtual\_machines\_create

Name	Description	Schema
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>os_type</b> <i>optional</i>	Virtual machine OS type.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>		boolean
<b>vm_size</b> <i>optional</i>		string
<b>which_disks</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.28.4. Consumes

- `application/json`

### 29.28.5. Produces

- `application/json`

## 29.29. List the protected virtual machines of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/virtual_machines/
```

### 29.29.1. 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

### 29.29.2. Parameters

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

### 29.29.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_policies_targets_virtual_machines_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_policies\_targets\_virtual\_machines\_list

Name	Description	Schema
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>os_type</b> <i>optional</i>	Virtual machine OS type.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>		boolean
<b>vm_size</b> <i>optional</i>		string
<b>which_disks</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.29.4. Produces

- `application/json`

## 29.30. Retrieve a protected virtual machine of a N2WS policy

```
GET /api/azure/policies/{policy_id}/targets/virtual_machines/{id}/
```

### 29.30.1. 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

### 29.30.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 29.30.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_targets_virtual_machines_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_policies\_targets\_virtual\_machines\_read

Name	Description	Schema
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>os_type</b> <i>optional</i>	Virtual machine OS type.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>		boolean
<b>vm_size</b> <i>optional</i>		string
<b>which_disks</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.30.4. Produces

- application/json

## 29.31. Update a virtual machine of a N2WS policy

```
PUT /api/azure/policies/{policy_id}/targets/virtual_machines/{id}/
```

### 29.31.1. 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

### 29.31.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Body	<b>data_azure_policies_targets_virtual_machines_update</b> <i>required</i>	<a href="#">data_azure_policies_targets_virtual_machines_update</a>

#### data\_azure\_policies\_targets\_virtual\_machines\_update

Name	Description	Schema
<b>tagged</b> <i>optional</i>		boolean
<b>which_disks</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.31.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_targets_virtual_machines_update</a>
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
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>os_type</b> <i>optional</i>	Virtual machine OS type.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>		boolean
<b>vm_size</b> <i>optional</i>		string
<b>which_disks</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (All) * I (Include Selected) * X (Exclude Selected)	enum (A, I, X)

### 29.31.4. Consumes

- `application/json`

### 29.31.5. Produces

- `application/json`



## 29.32. Delete a virtual machine from a N2WS policy

```
DELETE /api/azure/policies/{policy_id}/targets/virtual_machines/{id}/
```

### 29.32.1. 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

### 29.32.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string

### 29.32.3. Responses

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

## 29.33. 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/
```

### 29.33.1. 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

### 29.33.2. Parameters

Type	Name	Schema
Path	<b>policy_id</b> <i>required</i>	string
Path	<b>virtual_machine_id</b> <i>required</i>	string
Body	<b>data_azure_policies_targets_virtual_machines_disks_create</b> <i>required</i>	<a href="#">data_azure_policies_targets_virtual_machines_disks_create</a>

#### data\_azure\_policies\_targets\_virtual\_machines\_disks\_create

Name	Description	Schema
<b>azure_id</b> <i>required</i>	ID of the resource in Azure.	string
<b>tagged</b> <i>optional</i>	Whether this resource has a N2WS backup tag.	boolean

### 29.33.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_policies_targets_virtual_machines_disks_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_policies\_targets\_virtual\_machines\_disks\_create**

Name	Description	Schema
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>size</b> <i>optional</i>	Size of the resource (in GiB).	integer
<b>sku</b> <i>optional</i>	The type of the disk.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>	Whether this resource has a N2WS backup tag.	boolean

**29.33.4. Consumes**

- `application/json`

**29.33.5. Produces**

- `application/json`

## 29.34. 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/
```

### 29.34.1. 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

### 29.34.2. Parameters

Type	Name	Description	Schema
Path	<b>policy_id</b> <i>required</i>		string
Path	<b>virtual_machine_id</b> <i>required</i>		string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 29.34.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_policies_targets_virtual_machines_disks_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_policies\_targets\_virtual\_machines\_disks\_list**

Name	Description	Schema
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>size</b> <i>optional</i>	Size of the resource (in GiB).	integer
<b>sku</b> <i>optional</i>	The type of the disk.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>	Whether this resource has a N2WS backup tag.	boolean

#### 29.34.4. Produces

- `application/json`

## 29.35. 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}/
```

### 29.35.1. 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

### 29.35.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Path	<b>virtual_machine_id</b> <i>required</i>	string

### 29.35.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_policies_targets_virtual_machines_disks_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_azure\_policies\_targets\_virtual\_machines\_disks\_read**

Name	Description	Schema
<b>azure_id</b> <i>optional</i>	ID of the resource in Azure.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>iops</b> <i>optional</i>	Number of IOPS.	integer
<b>location</b> <i>optional</i>	Azure location.	string
<b>name</b> <i>optional</i>	Name of the resource in Azure.	string
<b>resource_group</b> <i>optional</i>	Name of the Azure resource group.	string
<b>size</b> <i>optional</i>	Size of the resource (in GiB).	integer
<b>sku</b> <i>optional</i>	The type of the disk.	string
<b>status</b> <i>optional</i>	Current status of the resource.	string
<b>subscription_id</b> <i>optional</i>		string
<b>tagged</b> <i>optional</i>	Whether this resource has a N2WS backup tag.	boolean

#### 29.35.4. Produces

- `application/json`

## 29.36. 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}/

### 29.36.1. 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

### 29.36.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>policy_id</b> <i>required</i>	string
Path	<b>virtual_machine_id</b> <i>required</i>	string

### 29.36.3. Responses

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





# Chapter 30. Azure Recoveries

## 30.1. List N2WS recovery records

```
GET /api/azure/recoveries/
```

### 30.1.1. 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*

### 30.1.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	Recovery associated account.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * backup_time * policy * recovery_time * recovery_type * status * user	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	string

Type	Name	Description	Schema
Query	<b>status</b> <i>optional</i>	Recovery status.	string
Query	<b>user</b> <i>optional</i>	Recovery associated user.	string

### 30.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_recoveries_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_recoveries\_list

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

Name	Description	Schema
<b>recovery_type</b> <i>optional</i>	Recovery type. <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>status</b> <i>optional</i>	Recovery status. <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

### 30.1.4. Produces

- `application/json`

## 30.2. Retrieve a N2WS recovery record

```
GET /api/azure/recoveries/{id}/
```

### 30.2.1. 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

### 30.2.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 30.2.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_recoveries_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_recoveries\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	Recovery associated account.	integer
<b>backup_marked_for_deletion</b> <i>optional</i>	Whether this recovery's source backup is marked for deletion or not.	boolean
<b>backup_record</b> <i>optional</i>	Recovery's source backup ID.	integer

Name	Description	Schema
<b>backup_time</b> <i>optional</i>	Time the recovered backup started.	string
<b>cloud</b> <i>optional</i>		string
<b>frozen_item_name</b> <i>optional</i>	Frozen item name if associated backup is a frozen item, NULL otherwise .	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>original_resource_id</b> <i>optional</i>	Recovery's source AWS ID.	string
<b>policy</b> <i>optional</i>	Recovered backup's associated policy.	integer
<b>recovered_resource_ids</b> <i>optional</i>	List of comma separated recovered resource IDs in following format: 'ID (original: ORIGINAL ID),ID (original: ORIGINAL ID), ...	string
<b>recovery_time</b> <i>optional</i>	Recovery start time.	string
<b>recovery_type</b> <i>optional</i>	Recovery type.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>status</b> <i>optional</i>	Recovery status.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>user</b> <i>optional</i>	Recovery associated user.	integer

### 30.2.4. Produces

- `application/json`

## 30.3. Delete a N2WS recovery record

```
DELETE /api/azure/recoveries/{id}/
```

### 30.3.1. 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

### 30.3.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 30.3.3. Responses

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

## 30.4. List the selected logs

```
GET /api/azure/recoveries/{id}/logs/
```

### 30.4.1. 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

### 30.4.2. Parameters

Type	Name	Description	Schema
Path	<b>id</b> <i>required</i>		string
Query	<b>severity</b> <i>optional</i>	None	string

### 30.4.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_recoveries_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_recoveries\_list\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string



Name	Description	Schema
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	Severity of the logging.	string

#### 30.4.4. Produces

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



# Chapter 31. Azure Reports

## 31.1. Azure Backup report

```
GET /api/azure/reports/backups/
```

### 31.1.1. 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*

### 31.1.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_account</b> <i>optional</i>	None	string
Query	<b>azure_account_name</b> <i>optional</i>	None	string
Query	<b>backup_id</b> <i>optional</i>	ID of the backup record.	number
Query	<b>freezer_items</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	Return records of backups which started after this time.	string
Query	<b>is_retry</b> <i>optional</i>	Is this backup a retry attempt.	string
Query	<b>marked_for_deletion</b> <i>optional</i>	Is this backup marked for deletion.	string

Type	Name	Description	Schema
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>policy_name</b> <i>optional</i>	Name of the policy this backup is associated with.	string
Query	<b>status</b> <i>optional</i>	Backup status.	string
Query	<b>to_time</b> <i>optional</i>	Return records of backups which started before this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Username of the user this backup is associated with. For media type <code>text/csv</code> , this column will not be included if there is only one applicable user	string

### 31.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_backups_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_reports\_backups\_list

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Name of the account this backup is associated with.	string

Name	Description	Schema
<b>backup_id</b> <i>optional</i>	ID of the backup record.	string
<b>end_time</b> <i>optional</i>	Backup's end time. For media type <b>application/json</b> , the date/time returned is UTC. For <b>text/csv</b> , it is the server time.	string
<b>freezer</b> <i>optional</i>		boolean
<b>is_retry</b> <i>optional</i>	Is this backup a retry attempt.	boolean
<b>marked_for_deletion</b> <i>optional</i>	Is this backup marked for deletion.	boolean
<b>policy_name</b> <i>optional</i>	Name of the policy this backup is associated with.	string
<b>start_time</b> <i>optional</i>	Backup's start time. For media type <b>application/json</b> , the date/time returned is UTC. For <b>text/csv</b> , it is the server time.	string
<b>status</b> <i>optional</i>	Backup status.  <b>Allowed Enum Values</b> * 0 (Dummy)	enum (0)
<b>status_before_deletion</b> <i>optional</i>	Backup's status before its native snapshots were deleted.	string
<b>subscription_id</b> <i>optional</i>	Azure Subscription ID.	string
<b>username</b> <i>optional</i>	Username of the user this backup is associated with. For media type <b>text/csv</b> , this column will not be included if there is only one applicable user	string

### 31.1.4. Produces

- **application/json**
- **text/csv**

## 31.2. Azure protected resources report

```
GET /api/azure/reports/protected_resources/
```

### 31.2.1. 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*

### 31.2.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 31.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_protected_resources_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_reports\_protected\_resources\_list**

Name	Description	Schema
<b>azure_account_name</b> <i>optional</i>		string
<b>azure_policies</b> <i>optional</i>		< string > array
<b>azure_resource_id</b> <i>optional</i>		string
<b>azure_resource_location</b> <i>optional</i>		string
<b>azure_resource_name</b> <i>optional</i>		string
<b>resource_type</b> <i>optional</i>		string
<b>schedules</b> <i>optional</i>		< string > array
<b>username</b> <i>optional</i>	Name of the owner user.	string

#### 31.2.4. Produces

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

## 31.3. Snapshots report

```
GET /api/azure/reports/snapshots/
```

### 31.3.1. 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*

### 31.3.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_account</b> <i>optional</i>	None	string
Query	<b>freezer_items</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	None	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>to_time</b> <i>optional</i>	None	string

### 31.3.3. Responses



HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_snapshots_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_reports\_snapshots\_list**

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's Azure ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>encryption</b> <i>optional</i>	Disk encryption set.	<a href="#">response_azure_reports_snapshots_list_encryption</a>
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>is_os_disk</b> <i>optional</i>	Indicates if disk is OS disk.	boolean
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_azure_account_client</b> <i>optional</i>	The Azure registered application's client secret.	string
<b>snapshot_azure_account_tenant</b> <i>optional</i>	The Azure registered application's tenant id.	string
<b>snapshot_id</b> <i>optional</i>	Snapshot's Azure ID.	string

Name	Description	Schema
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ('disk')	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string
<b>virtual_machine_id</b> <i>optional</i>	Virtual Machine's ID if an attached disk, otherwise 'null'.	string
<b>virtual_machine_name</b> <i>optional</i>	Virtual Machine's name if an attached disk, otherwise 'null'.	string

**response\_azure\_reports\_snapshots\_list\_encryption**

Name	Schema
<b>encryption_set_id</b> <i>optional</i>	string
<b>type</b> <i>optional</i>	string

**31.3.4. Produces**

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

## 31.4. Summary report

```
GET /api/azure/reports/summary/
```

### 31.4.1. 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*

### 31.4.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_account</b> <i>optional</i>	None	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>period_length</b> <i>optional</i>	Period length of summary report.	number
Query	<b>period_type</b> <i>optional</i>	Period type (week/month) of summary report.	string
Query	<b>username</b> <i>optional</i>	Name of the owner user.	string

### 31.4.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_summary_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_azure\_reports\_summary\_list**

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>account_name</b> <i>optional</i>		string
<b>accounts</b> <i>optional</i>		integer
<b>azure_account</b> <i>optional</i>		integer
<b>backup_dr_fail_num</b> <i>optional</i>		integer
<b>backup_dr_success_num</b> <i>optional</i>		integer
<b>backup_fail_num</b> <i>optional</i>		integer
<b>backup_partial_num</b> <i>optional</i>		integer
<b>backup_s3_fail_num</b> <i>optional</i>		integer
<b>backup_s3_partial_num</b> <i>optional</i>		integer
<b>backup_s3_success_num</b> <i>optional</i>		integer
<b>backup_success_num</b> <i>optional</i>		integer
<b>cloud</b> <i>optional</i>		string
<b>cost_explorer</b> <i>optional</i>		string
<b>cost_savings</b> <i>optional</i>		string
<b>is_user_managed</b> <i>optional</i>		boolean

Name	Description	Schema
<b>managed_snapshots</b> <i>optional</i>		integer
<b>period_length</b> <i>optional</i>	Period length of summary report.	integer
<b>period_type</b> <i>optional</i>	Period type (week/month) of summary report.  <b>Allowed Enum Values</b> * W (Week) * M (Month)	enum (W, M)
<b>policies</b> <i>optional</i>		integer
<b>protected_resources</b> <i>optional</i>		integer
<b>user</b> <i>optional</i>	ID of the owner user.	integer
<b>user_name</b> <i>optional</i>		string
<b>volumes_above_high_watermark_num</b> <i>optional</i>		integer
<b>volumes_below_low_watermark_num</b> <i>optional</i>		integer
<b>volumes_usage_percentage_num</b> <i>optional</i>		integer

#### 31.4.4. Produces

- [application/pdf](#)

## 31.5. Account usage report

```
GET /api/azure/reports/usage/
```

### 31.5.1. 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**

### 31.5.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_account_name</b> <i>optional</i>	None	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * azure_account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>username</b> <i>optional</i>	Username of the user this account is associated with. For media type <b>text/csv</b> , this column will not be included if there is only one applicable user.	string

### 31.5.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_usage_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_reports\_usage\_list

Name	Description	Schema
<b>azure_account_name</b> <i>optional</i>		string
<b>num_gib_of_independent_disks</b> <i>optional</i>	Number of independent disk GiB under this account which are protected by N2WS.	integer
<b>num_vms</b> <i>optional</i>	Number of VM's under this account which are protected by N2WS.	integer
<b>username</b> <i>optional</i>	Username of the user this account is associated with. For media type <b>text/csv</b> , this column will not be included if there is only one applicable user.	string

### 31.5.4. Produces

- **application/json**
- **text/csv**

## 31.6. Anonymized account usage report

```
GET /api/azure/reports/usage/anonymized/
```

### 31.6.1. 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

### 31.6.2. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_usage_anonymized_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_reports\_usage\_anonymized\_list

Name	Description	Schema
<b>azure_account_id</b> <i>optional</i>		string
<b>num_gib_of_independent_disks</b> <i>optional</i>	Number of independent disk GiB under this account which are protected by N2WS.	integer
<b>num_gib_of_sql_databases</b> <i>optional</i>		integer
<b>num_vms</b> <i>optional</i>		integer



Name	Description	Schema
<b>user_id</b> <i>optional</i>	ID of the user this account is associated with.	string

### 31.6.3. Produces

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

## 31.7. User/Account detailed usage reports

```
GET /api/azure/reports/usage/detailed/
```

### 31.7.1. 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*

### 31.7.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_account</b> <i>optional</i>	None	string
Query	<b>azure_account_name</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * azure_account * azure_account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Name of the owner user.	string

### 31.7.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_usage_detailed_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_reports\_usage\_detailed\_list

Name	Description	Schema
<b>azure_account_id</b> <i>optional</i>		integer
<b>azure_account_name</b> <i>optional</i>		string
<b>disk_capacity</b> <i>optional</i>	Number of independent disk GiB under this account which are protected by N2WS.	integer
<b>num_virtual_machines</b> <i>optional</i>	Number of virtual machines under this account which are protected by N2WS.	integer
<b>report_time</b> <i>optional</i>	The date of the report.	string
<b>sql_database_capacity</b> <i>optional</i>		integer
<b>user_id</b> <i>optional</i>	ID of the user this account is associated with.	integer
<b>username</b> <i>optional</i>	Name of the user.	string

### 31.7.4. Produces

- `application/json`



- `text/csv`

## 31.8. User/Account detailed anonymous usage reports

```
GET /api/azure/reports/usage/detailed/anonymous/
```

### 31.8.1. 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*

### 31.8.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_account</b> <i>optional</i>	None	string
Query	<b>azure_account_name</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * azure_account * azure_account_name * username	string

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Name of the owner user.	string

### 31.8.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_usage_detailed_anonymous_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_reports\_usage\_detailed\_anonymous\_list

Name	Description	Schema
<b>azure_account_id</b> <i>optional</i>		integer
<b>azure_account_name</b> <i>optional</i>		string
<b>disk_capacity</b> <i>optional</i>	Number of independent disk GiB under this account which are protected by N2WS.	integer
<b>num_virtual_machines</b> <i>optional</i>	Number of virtual machines under this account which are protected by N2WS.	integer
<b>report_time</b> <i>optional</i>	The date of the report.	string
<b>sql_database_capacity</b> <i>optional</i>		integer
<b>user_id</b> <i>optional</i>	ID of the user this account is associated with.	integer
<b>username</b> <i>optional</i>	Name of the user.	string

### 31.8.4. Produces

- application/json
- text/csv

## 31.9. User/Account summary usage reports

```
GET /api/azure/reports/usage/summary/
```

### 31.9.1. 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*

### 31.9.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_account_name</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * azure_account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer



Type	Name	Description	Schema
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Name of the owner user.	string

### 31.9.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_usage_summary_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_reports\_usage\_summary\_list

Name	Description	Schema
<b>num_gib_of_independent_disks</b> <i>optional</i>		string
<b>num_gib_of_sql_databases</b> <i>optional</i>		string
<b>num_vms</b> <i>optional</i>		string
<b>report_time</b> <i>optional</i>		string
<b>total_non_vm_storage</b> <i>optional</i>		string
<b>user_id</b> <i>optional</i>		integer
<b>username</b> <i>optional</i>	Name of the owner user.	string

### 31.9.4. Produces

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

## 31.10. User/Account anonymous summary usage reports

```
GET /api/azure/reports/usage/summary/anonymous/
```

### 31.10.1. 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*

### 31.10.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_account_name</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * azure_account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Name of the owner user.	string

### 31.10.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_reports_usage_summary_anonymous_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_reports\_usage\_summary\_anonymous\_list

Name	Description	Schema
<b>num_gib_of_independent_disks</b> <i>optional</i>		string
<b>num_gib_of_sql_databases</b> <i>optional</i>		string
<b>num_vms</b> <i>optional</i>		string
<b>report_time</b> <i>optional</i>		string
<b>total_non_vm_storage</b> <i>optional</i>		string
<b>user_id</b> <i>optional</i>		integer
<b>username</b> <i>optional</i>	Name of the owner user.	string

### 31.10.4. Produces

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

# Chapter 32. Azure Resource Types

## 32.1. List target resource types

```
GET /api/azure/resource_types/
```

### 32.1.1. 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

### 32.1.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 32.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_resource_types_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_resource\_types\_list

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>label</b> <i>optional</i>	Display name of the target resource type.	string

Name	Description	Schema
<b>name</b> <i>optional</i>	Name of the target resource type.	string

### 32.1.4. Produces

- `application/json`

# Chapter 33. Azure Storage Account Repositories

## 33.1. Create a Storage Account

```
POST /api/azure/storage_account_repositories/
```

### 33.1.1. 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:* 2.1.0
- *Last Modified Version:* 2.1.0

### 33.1.2. Parameters

Type	Name	Schema
Body	<code>data_azure_storage_account_repositories_create</code> <i>required</i>	<code>data_azure_storage_account_repositories_create</code>

#### `data_azure_storage_account_repositories_create`

Name	Description	Schema
<code>account</code> <i>required</i>	ID of the account this resource is associated with.	integer
<code>azure_storage_account_id</code> <i>required</i>		string
<code>description</code> <i>optional</i>	Description for the resource.	string
<code>location</code> <i>required</i>		string
<code>name</code> <i>required</i>	Name of the resource.	string



### 33.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_azure_storage_account_repositories_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_storage\_account\_repositories\_create

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>azure_storage_account_id</b> <i>optional</i>		string
<b>azure_storage_account_name</b> <i>optional</i>		string
<b>cloud</b> <i>optional</i>		string
<b>deletion_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>related_policies</b> <i>optional</i>		< integer > array
<b>resource_group</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	ID of the owner user.	integer



### 33.1.4. Consumes

- `application/json`

### 33.1.5. Produces

- `application/json`

## 33.2. List Storage Account Repositories

```
GET /api/azure/storage_account_repositories/
```

### 33.2.1. 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:* 2.1.0
- *Last Modified Version:* 2.1.0

### 33.2.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * azure_storage_account_name * location * name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description	string
Query	<b>subscription_id</b> <i>optional</i>	None	string

Type	Name	Description	Schema
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 33.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_azure_storage_account_repositories_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_azure\_storage\_account\_repositories\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>azure_storage_account_id</b> <i>optional</i>		string
<b>azure_storage_account_name</b> <i>optional</i>		string
<b>cloud</b> <i>optional</i>		string
<b>deletion_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>related_policies</b> <i>optional</i>		< integer > array
<b>resource_group</b> <i>optional</i>		string

Name	Description	Schema
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

### 33.2.4. Produces

- `application/json`

## 33.3. Retrieve a Storage Account

```
GET /api/azure/storage_account_repositories/{id}/
```

### 33.3.1. 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:* 2.1.0
- *Last Modified Version:* 2.1.0

### 33.3.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 33.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_storage_account_repositories_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_azure\_storage\_account\_repositories\_read

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>azure_storage_account_id</b> <i>optional</i>		string
<b>azure_storage_account_name</b> <i>optional</i>		string

Name	Description	Schema
<b>cloud</b> <i>optional</i>		string
<b>deletion_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>related_policies</b> <i>optional</i>		< integer > array
<b>resource_group</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

### 33.3.4. Produces

- `application/json`

## 33.4. Update a Storage Account

```
PUT /api/azure/storage_account_repositories/{id}/
```

### 33.4.1. 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

### 33.4.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_azure_storage_account_repositories_update</b> <i>required</i>	<a href="#">data_azure_storage_account_repositories_update</a>

#### data\_azure\_storage\_account\_repositories\_update

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string

### 33.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_azure_storage_account_repositories_update</a>
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
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>azure_storage_account_id</b> <i>optional</i>		string
<b>azure_storage_account_name</b> <i>optional</i>		string
<b>cloud</b> <i>optional</i>		string
<b>deletion_status</b> <i>optional</i>	<b>Allowed Enum Values</b> * N (N/A) * I (In Progress) * F (Failed) * S (Succeeded)	enum (N, I, F, S)
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>location</b> <i>optional</i>		string
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>related_policies</b> <i>optional</i>		< integer > array
<b>resource_group</b> <i>optional</i>		string
<b>subscription_id</b> <i>optional</i>		string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

### 33.4.4. Consumes

- `application/json`



### 33.4.5. Produces

- `application/json`

## 33.5. Delete a Storage Account

```
DELETE /api/azure/storage_account_repositories/{id}/
```

### 33.5.1. 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

### 33.5.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	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. 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/
```

### 33.6.1. 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

### 33.6.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 33.6.3. Responses

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

# Chapter 34. Delegates

## 34.1. Create a N2WS delegate user

POST /api/delegates/

### 34.1.1. 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

### 34.1.2. Parameters

Type	Name	Schema
Body	<b>data_delegates_create</b> <i>required</i>	<a href="#">data_delegates_create</a>

#### data\_delegates\_create

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>password</b> <i>required</i>	Password to authenticate with.	string
<b>profile</b> <i>required</i>	User profile.	<a href="#">data_delegates_create_profile</a>
<b>username</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string

#### data\_delegates\_create\_profile

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	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
<b>allow_backup_changes</b> <i>optional</i>	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
<b>allow_recovery</b> <i>optional</i>	If set, the user has permission to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>	If set, the user has permission to change N2WS settings.	boolean
<b>original_user</b> <i>required</i>	ID of the user whose environment this delegate can access.	integer
<b>password_creation_date</b> <i>optional</i>		string

### 34.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_delegates_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_delegates\_create

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>num_accounts</b> <i>optional</i>	Number of associated accounts.	integer
<b>num_frozen_items</b> <i>optional</i>		integer
<b>num_policies</b> <i>optional</i>	Number of associated policies.	integer
<b>profile</b> <i>optional</i>	User profile.	<a href="#">response_delegates_create_profile</a>
<b>user_type</b> <i>optional</i>	Type of current user.	string

Name	Description	Schema
<b>username</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

#### response\_delegates\_create\_profile

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
<b>allow_backup_changes</b> <i>optional</i>	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
<b>allow_recovery</b> <i>optional</i>	If set, the user has permission to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>	If set, the user has permission to change N2WS settings.	boolean
<b>domain_name</b> <i>optional</i>	Domain name of the external identity provider.	string
<b>is_external_authentication</b> <i>optional</i>	If set, the user is authenticated by an external identity provider.	boolean
<b>original_user</b> <i>optional</i>	ID of the user whose environment this delegate can access.	integer
<b>password_creation_date</b> <i>optional</i>		string

#### 34.1.4. Consumes

- `application/json`

#### 34.1.5. Produces

- `application/json`



## 34.2. List N2WS delegate users

GET /api/delegates/

### 34.2.1. 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

### 34.2.2. Parameters

Type	Name	Description	Schema
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * original_user * username	string
Query	<b>original_user</b> <i>optional</i>	ID of the user whose environment this delegate can access.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * username * username of original user	string

### 34.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_delegates_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_delegates\_list**

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>num_accounts</b> <i>optional</i>	Number of associated accounts.	integer
<b>num_frozen_items</b> <i>optional</i>		integer
<b>num_policies</b> <i>optional</i>	Number of associated policies.	integer
<b>profile</b> <i>optional</i>	User profile.	<a href="#">response_delegates_list_profile</a>
<b>user_type</b> <i>optional</i>	Type of current user.	string
<b>username</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

**response\_delegates\_list\_profile**

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
<b>allow_backup_changes</b> <i>optional</i>	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
<b>allow_recovery</b> <i>optional</i>	If set, the user has permission to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>	If set, the user has permission to change N2WS settings.	boolean
<b>domain_name</b> <i>optional</i>	Domain name of the external identity provider.	string
<b>is_external_authentication</b> <i>optional</i>	If set, the user is authenticated by an external identity provider.	boolean
<b>original_user</b> <i>optional</i>	ID of the user whose environment this delegate can access.	integer
<b>password_creation_date</b> <i>optional</i>		string



#### 34.2.4. Produces

- `application/json`

## 34.3. Retrieve a N2WS delegate user

```
GET /api/delegates/{id}/
```

### 34.3.1. 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

### 34.3.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 34.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_delegates_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_delegates\_read

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>num_accounts</b> <i>optional</i>	Number of associated accounts.	integer

Name	Description	Schema
<b>num_frozen_items</b> <i>optional</i>		integer
<b>num_policies</b> <i>optional</i>	Number of associated policies.	integer
<b>profile</b> <i>optional</i>	User profile.	<a href="#">response_delegates_read_profile</a>
<b>user_type</b> <i>optional</i>	Type of current user.	string
<b>username</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

### response\_delegates\_read\_profile

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
<b>allow_backup_changes</b> <i>optional</i>	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
<b>allow_recovery</b> <i>optional</i>	If set, the user has permission to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>	If set, the user has permission to change N2WS settings.	boolean
<b>domain_name</b> <i>optional</i>	Domain name of the external identity provider.	string
<b>is_external_authentication</b> <i>optional</i>	If set, the user is authenticated by an external identity provider.	boolean
<b>original_user</b> <i>optional</i>	ID of the user whose environment this delegate can access.	integer
<b>password_creation_date</b> <i>optional</i>		string

### 34.3.4. Produces

- `application/json`

## 34.4. Update a N2WS delegate user

```
PUT /api/delegates/{id}/
```

### 34.4.1. 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

### 34.4.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_delegates_update</b> <i>required</i>	<a href="#">data_delegates_update</a>

#### data\_delegates\_update

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>profile</b> <i>required</i>	User profile.	<a href="#">data_delegates_update_profile</a>

#### data\_delegates\_update\_profile

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
<b>allow_backup_changes</b> <i>optional</i>	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
<b>allow_recovery</b> <i>optional</i>	If set, the user has permission to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>	If set, the user has permission to change N2WS settings.	boolean
<b>password_creation_date</b> <i>optional</i>		string

### 34.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_delegates_update</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_delegates\_update

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>num_accounts</b> <i>optional</i>	Number of associated accounts.	integer
<b>num_frozen_items</b> <i>optional</i>		integer
<b>num_policies</b> <i>optional</i>	Number of associated policies.	integer
<b>profile</b> <i>optional</i>	User profile.	<a href="#">response_delegates_update_profile</a>
<b>user_type</b> <i>optional</i>	Type of current user.	string
<b>username</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

#### response\_delegates\_update\_profile

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	If set, the user has permission to add and remove AWS accounts as well as to edit accounts and modify credentials.	boolean
<b>allow_backup_changes</b> <i>optional</i>	If set, the user has permission to add, remove, and edit policies and schedules as well as to add and remove backup targets.	boolean
<b>allow_recovery</b> <i>optional</i>	If set, the user has permission to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>	If set, the user has permission to change N2WS settings.	boolean
<b>domain_name</b> <i>optional</i>	Domain name of the external identity provider.	string
<b>is_external_authentication</b> <i>optional</i>	If set, the user is authenticated by an external identity provider.	boolean
<b>original_user</b> <i>optional</i>	ID of the user whose environment this delegate can access.	integer
<b>password_creation_date</b> <i>optional</i>		string

#### 34.4.4. Consumes

- `application/json`

#### 34.4.5. Produces

- `application/json`



## 34.5. Delete a N2WS delegate user

```
DELETE /api/delegates/{id}/
```

### 34.5.1. 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

### 34.5.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 34.5.3. 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

## 34.6. Reset a N2WS delegate user password

```
POST /api/delegates/{id}/reset_password/
```

### 34.6.1. 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

### 34.6.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_delegates_reset_password</b> <i>required</i>	<a href="#">data_delegates_reset_password</a>

#### data\_delegates\_reset\_password

Name	Description	Schema
<b>new_password</b> <i>required</i>	New password to set.	string

### 34.6.3. Responses

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



#### 34.6.4. Consumes

- `application/json`

# Chapter 35. Freezer

## 35.1. List N2WS freezer records

GET /api/freezer/

### 35.1.1. 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

### 35.1.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 35.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_freezer_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_freezer\_list

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this backup is associated with.	integer
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>dr_account_regions</b> <i>optional</i>	Target regions in the DR account to copy to. Can be one or multiple regions.	string
<b>dr_regions</b> <i>optional</i>	DR region.	string
<b>dr_status</b> <i>optional</i>	Backup's DR status.  <b>Allowed Enum Values</b> * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
<b>end_time</b> <i>optional</i>	Backup's end time.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>is_retry</b> <i>optional</i>	Whether this backup is a retry attempt or not.	boolean
<b>marked_for_deletion</b> <i>optional</i>	Whether this backup is marked for deletion or not.	boolean
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>performed_quiesce</b> <i>optional</i>	Whether quiesce was performed or not.	boolean
<b>policy</b> <i>optional</i>	Policy that the backup is associated with.	integer
<b>retry_scheduled</b> <i>optional</i>	Whether a retry is scheduled to be performed or not.	boolean
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup's status.  <b>Allowed Enum Values</b> * 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 S3) * G (Moved to S3 Glacier)	enum (I, P, B, A, S, D, F, M, G)
<b>user</b> <i>optional</i>	ID of the owner user.	integer

### 35.1.4. Produces

- `application/json`



# Chapter 36. Reports



## 36.1. Audit report

```
GET /api/reports/audit/
```

### 36.1.1. 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*

### 36.1.2. Parameters

Type	Name	Description	Schema
Query	<b>event_type</b> <i>optional</i>	Type of the event.	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display events.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * event_time * username	string
Query	<b>original_user</b> <i>optional</i>	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 <b>text/csv</b> , 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 <b>text/csv</b> , when the 'username' filter is applied, neither 'original_user' nor 'Delegate of' will be included.	string

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * log	string
Query	<b>to_time</b> <i>optional</i>	Time until which to display events.	string
Query	<b>user</b> <i>optional</i>	User's user ID. Deprecated - use <b>user</b> instead.	string
Query	<b>user_id</b> <i>optional</i>	User's user ID. Deprecated - use <b>user</b> instead.	string
Query	<b>username</b> <i>optional</i>	User's username. For media type <b>text/csv</b> , this column will not be included when the 'username' filter is applied.	string

### 36.1.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_audit_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_audit\_list

Name	Description	Schema
<b>event_time</b> <i>optional</i>	Event time.	string
<b>event_type</b> <i>optional</i>	Type of the event.	string
<b>log</b> <i>optional</i>	Logged text.	string

Name	Description	Schema
<b>original_user</b> <i>optional</i>	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 <i>text/csv</i> , 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 <i>text/csv</i> , when the 'username' filter is applied, neither 'original_user' nor 'Delegate of' will be included.	string
<b>user_type</b> <i>optional</i>	User type (root/managed/independent/delegate). For media type <i>text/csv</i> , this column will not be included when the 'username' filter is applied.	string
<b>username</b> <i>optional</i>	User's username. For media type <i>text/csv</i> , this column will not be included when the 'username' filter is applied.	string

### 36.1.4. Produces

- *application/json*
- *text/csv*

## 36.2. Backup report

```
GET /api/reports/backups/
```

### 36.2.1. 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*

### 36.2.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>account_name</b> <i>optional</i>	Name of the account this backup is associated with.	string
Query	<b>backup_id</b> <i>optional</i>	ID of the backup record.	number
Query	<b>dr_status</b> <i>optional</i>	Backup's DR status.	string
Query	<b>freezer_items</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	Return records of backups which started after this time.	string
Query	<b>is_retry</b> <i>optional</i>	Is this backup a retry attempt.	string

Type	Name	Description	Schema
Query	<b>marked_for_deletion</b> <i>optional</i>	Is this backup marked for deletion.	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>policy_name</b> <i>optional</i>	Name of the policy this backup is associated with.	string
Query	<b>status</b> <i>optional</i>	Backup status.	string
Query	<b>to_time</b> <i>optional</i>	Return records of backups which started before this time.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Username of the user this backup is associated with. For media type <code>text/csv</code> , this column will not be included if there is only one applicable user	string

### 36.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_backups_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_backups\_list

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Name of the account this backup is associated with.	string
<b>archive_status</b> <i>optional</i>		string
<b>aws_account_number</b> <i>optional</i>	AWS account number of this backup account.	string
<b>backup_id</b> <i>optional</i>	ID of the backup record.	string
<b>dr_status</b> <i>optional</i>	Backup's DR status.  <b>Allowed Enum Values</b> * N (N/A) * P (Pending) * I (In Progress) * S (Skipped) * C (Completed) * F (Failed)	enum (N, P, I, S, C, F)
<b>end_time</b> <i>optional</i>	Backup's end time. For media type <code>application/json</code> , the date/time returned is UTC. For <code>text/csv</code> , it is the server time.	string
<b>freezer</b> <i>optional</i>	Flag whether the item is in freezer.	boolean
<b>import_s3</b> <i>optional</i>	Backup's snapshots were not generated by N2WS and were imported to s3.	boolean
<b>is_retry</b> <i>optional</i>	Is this backup a retry attempt.	boolean
<b>marked_for_deletion</b> <i>optional</i>	Is this backup marked for deletion.	boolean
<b>marked_for_deletion_from_s3</b> <i>optional</i>		boolean
<b>policy_name</b> <i>optional</i>	Name of the policy this backup is associated with.	string
<b>s3_copy_status</b> <i>optional</i>	S3 Copy status (license dependent).	string
<b>start_time</b> <i>optional</i>	Backup's start time. For media type <code>application/json</code> , the date/time returned is UTC. For <code>text/csv</code> , it is the server time.	string

Name	Description	Schema
<b>status</b> <i>optional</i>	Backup status.  <b>Allowed Enum Values</b> * 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 S3) * G (Moved to S3 Glacier)	enum (I, P, B, A, S, D, F, M, G)
<b>status_before_deletion</b> <i>optional</i>	Backup's status before its native snapshots were deleted.  <b>Allowed Enum Values</b> * 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 S3) * G (Moved to S3 Glacier)	enum (I, P, B, A, S, D, F, M, G)
<b>username</b> <i>optional</i>	Username of the user this backup is associated with. For media type <code>text/csv</code> , this column will not be included if there is only one applicable user	string

### 36.2.4. Produces

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

## 36.3. Protected resources report

```
GET /api/reports/protected_resources/
```

### 36.3.1. 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*

### 36.3.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 36.3.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_protected_resources_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_reports\_protected\_resources\_list**



Name	Description	Schema
<b>account_name</b> <i>optional</i>	Associated account's name.	string
<b>aws_region</b> <i>optional</i>	Associated region.	string
<b>aws_resource_id</b> <i>optional</i>	ID of the resource in AWS.	string
<b>aws_resource_name</b> <i>optional</i>	Instance's AWS name if an EC2 instance, otherwise 'null'.	string
<b>policies</b> <i>optional</i>	Policies covering this resource.	< string > array
<b>resource_type</b> <i>optional</i>	'instance'/'independent_volume'/'rds'/'aurora'/'redshift'.	string
<b>schedules</b> <i>optional</i>	Schedules covering this resource.	< string > array
<b>username</b> <i>optional</i>	Associated user's username.	string

### 36.3.4. Produces

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

## 36.4. Protected RDS database configurations report

```
GET /api/reports/protected_resources/rds_databases/config/
```

### 36.4.1. 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*

### 36.4.2. Parameters

Type	Name	Description	Schema
Query	<b>aws_dbinstance_id</b> <i>required</i>	None	string
Query	<b>aws_region</b> <i>required</i>	Associated region.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 36.4.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_protected_resources_rds_databases_config_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_reports\_protected\_resources\_rds\_databases\_config\_list**

Name	Description	Schema
<b>aws_dbinstance_id</b> <i>optional</i>		string
<b>aws_region</b> <i>optional</i>	Associated region.	string
<b>connection_password</b> <i>optional</i>		string
<b>connection_usr</b> <i>optional</i>		string
<b>using_iam_role_authentication</b> <i>optional</i>		boolean
<b>worker_aws_key_pair</b> <i>optional</i>	AWS Key pair to use when launching worker for schema collection	string
<b>worker_aws_security_group</b> <i>optional</i>	AWS Security group to use when launching worker for schema collection	string
<b>worker_aws_subnet</b> <i>optional</i>	AWS VPC Subnet to use when launching worker for schema collection	string
<b>worker_aws_vpc</b> <i>optional</i>	AWS VPC to use when launching worker for schema collection	string
<b>worker_http_proxy_address</b> <i>optional</i>	Address of HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_password</b> <i>optional</i>	Password for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_http_proxy_port</b> <i>optional</i>	Port of HTTP Proxy used by the worker launched for schema collection	integer
<b>worker_http_proxy_user_name</b> <i>optional</i>	Username for HTTP Proxy used by the worker launched for schema collection	string
<b>worker_requires_http_proxy</b> <i>optional</i>	Whether the worker launched for schema collection communicates via HTTP Proxy	boolean

### 36.4.4. Produces

- `application/json`

## 36.5. Resource Control operations report

```
GET /api/reports/resource_control_operations/
```

### 36.5.1. 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

### 36.5.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>account_name</b> <i>optional</i>	Name of the account this operation is associated with.	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>group_name</b> <i>optional</i>	Name of the Resource Control group this operation is associated with.	string
Query	<b>marked_for_deletion</b> <i>optional</i>	Is this Resource Control operation marked for deletion.	string

Type	Name	Description	Schema
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>rc_operation_id</b> <i>optional</i>	ID of the Resource Control operation record.	number
Query	<b>status</b> <i>optional</i>	Resource Control operation status	string
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Username of the user this Resource Control operation is associated with. For media type <b>text/csv</b> , this column will not be included if there is only one applicable user	string

### 36.5.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_resource_control_operations_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_resource\_control\_operations\_list

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Name of the account this operation is associated with.	string

Name	Description	Schema
<b>aws_account_number</b> <i>optional</i>	AWS account number of this backup account	string
<b>end_time</b> <i>optional</i>	Resource Control operation end time. For media type <b>application/json</b> , the date/time returned is UTC. For <b>text/csv</b> , it is the server time.	string
<b>group_name</b> <i>optional</i>	Name of the Resource Control group this operation is associated with.	string
<b>marked_for_deletion</b> <i>optional</i>	Is this Resource Control operation marked for deletion.	boolean
<b>rc_operation_id</b> <i>optional</i>	ID of the Resource Control operation record.	string
<b>start_time</b> <i>optional</i>	Resource Control operation start time. For media type <b>application/json</b> , the date/time returned is UTC. For <b>text/csv</b> , it is the server time.	string
<b>status</b> <i>optional</i>	Resource Control operation status  <b>Allowed Enum Values</b> * 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)
<b>username</b> <i>optional</i>	Username of the user this Resource Control operation is associated with. For media type <b>text/csv</b> , this column will not be included if there is only one applicable user	string

### 36.5.4. Produces

- **application/json**
- **text/csv**

## 36.6. Snapshots report

```
GET /api/reports/snapshots/
```

### 36.6.1. 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: 1.0.0*
- *Last Modified Version: 2.0.0*

### 36.6.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>freezer_items</b> <i>optional</i>	None	string
Query	<b>from_time</b> <i>optional</i>	Include snapshots belonging to backups which started from this time forward.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>to_time</b> <i>optional</i>	Include snapshots belonging to backups which started up until this time.	string

### 36.6.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_snapshots_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_reports\_snapshots\_list**

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Associated account name.	string
<b>aws_account_number</b> <i>optional</i>	Associated account's AWS account number.	string
<b>backed_up_resource_id</b> <i>optional</i>	Backed-up resource's AWS ID.	string
<b>backed_up_resource_name</b> <i>optional</i>	Backed-up resource's name.	string
<b>backup_id</b> <i>optional</i>	Backup's ID.	string
<b>cbt_changed_size_mb</b> <i>optional</i>		integer
<b>cbt_valid_size_mb</b> <i>optional</i>		integer
<b>deletion_time</b> <i>optional</i>	Time of the snapshot's deletion.	string
<b>end_time</b> <i>optional</i>	Snapshot's end time.	string
<b>import_s3</b> <i>optional</i>	Snapshot was not generated by N2WS and was imported to s3.	boolean
<b>instance_id</b> <i>optional</i>	EC2 instance's ID if an attached volume, otherwise 'null'.	string
<b>instance_name</b> <i>optional</i>	EC2 instance's name if an attached volume, otherwise 'null'.	string
<b>policy_name</b> <i>optional</i>	Associated policy name.	string
<b>region</b> <i>optional</i>	Snapshot's region ID.	string
<b>snapshot_account_name</b> <i>optional</i>	Name of the account in which the snapshot was created.	string
<b>snapshot_aws_account_number</b> <i>optional</i>	AWS account number of the account in which the snapshot was created.	string



Name	Description	Schema
<b>snapshot_id</b> <i>optional</i>	Snapshot's AWS ID.	string
<b>snapshot_type</b> <i>optional</i>	Backed-up resource type ( <code>'ebs'/'ebs_copy'/'rds'/'rds_copy'/'redshift'</code> )	string
<b>start_time</b> <i>optional</i>	Backup's start time.	string
<b>status</b> <i>optional</i>	Backup status.	string
<b>succeeded</b> <i>optional</i>	'true' if the snapshot succeeded, otherwise 'false'.	boolean
<b>username</b> <i>optional</i>	Associated user's username.	string

#### 36.6.4. Produces

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

## 36.7. Summary report

```
GET /api/reports/summary/
```

### 36.7.1. 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*

### 36.7.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>period_length</b> <i>optional</i>	Period length of summary report.	number
Query	<b>period_type</b> <i>optional</i>	Period type (week/month) of summary report.	string
Query	<b>username</b> <i>optional</i>	Name of the owner user.	string

### 36.7.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_summary_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_reports\_summary\_list**

Name	Description	Schema
<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	integer
<b>account_name</b> <i>optional</i>		string
<b>accounts</b> <i>optional</i>		integer
<b>azure_account</b> <i>optional</i>		integer
<b>backup_dr_fail_num</b> <i>optional</i>		integer
<b>backup_dr_success_num</b> <i>optional</i>		integer
<b>backup_fail_num</b> <i>optional</i>		integer
<b>backup_partial_num</b> <i>optional</i>		integer
<b>backup_s3_fail_num</b> <i>optional</i>		integer
<b>backup_s3_partial_num</b> <i>optional</i>		integer
<b>backup_s3_success_num</b> <i>optional</i>		integer
<b>backup_success_num</b> <i>optional</i>		integer
<b>cloud</b> <i>optional</i>		string
<b>cost_explorer</b> <i>optional</i>		string
<b>cost_savings</b> <i>optional</i>		string
<b>is_user_managed</b> <i>optional</i>		boolean

Name	Description	Schema
<b>managed_snapshots</b> <i>optional</i>		integer
<b>period_length</b> <i>optional</i>	Period length of summary report.	integer
<b>period_type</b> <i>optional</i>	Period type (week/month) of summary report.  <b>Allowed Enum Values</b> * W (Week) * M (Month)	enum (W, M)
<b>policies</b> <i>optional</i>		integer
<b>protected_resources</b> <i>optional</i>		integer
<b>user</b> <i>optional</i>	ID of the owner user.	integer
<b>user_name</b> <i>optional</i>		string
<b>volumes_above_high_watermark_num</b> <i>optional</i>		integer
<b>volumes_below_low_watermark_num</b> <i>optional</i>		integer
<b>volumes_usage_percentage_num</b> <i>optional</i>		integer

### 36.7.4. Produces

- [application/pdf](#)

## 36.8. Account usage report

```
GET /api/reports/usage/
```

### 36.8.1. 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

### 36.8.2. Parameters

Type	Name	Description	Schema
Query	<b>account_name</b> <i>optional</i>	Name of the account.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	<b>username</b> <i>optional</i>	Username of the user this account is associated with. For media type <code>text/csv</code> , this column will not be included if there is only one applicable user.	string

### 36.8.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_usage_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_usage\_list

Name	Description	Schema
<b>account_name</b> <i>optional</i>	Name of the account.	string
<b>num_controlled_entities</b> <i>optional</i>	Number of entities under this account which are controlled by N2WS.	integer
<b>num_efs</b> <i>optional</i>	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	integer
<b>num_fsx</b> <i>optional</i>	Number of FSx systems under this account which are protected by N2WS.	integer
<b>num_gib_of_dynamo_db</b> <i>optional</i>	Number of DynamoDB GiB under this account which are protected by N2WS.	integer
<b>num_gib_of_fsx</b> <i>optional</i>	Number of FSx GiB under this account which are protected by N2WS.	integer
<b>num_gib_of_independent_volumes</b> <i>optional</i>	Number of independent volume GiB under this account which are protected by N2WS.	integer
<b>num_gib_of_rds</b> <i>optional</i>	Number of RDS GiB under this account which are protected by N2WS.	integer
<b>num_gib_of_redshift</b> <i>optional</i>	Number of Redshift GiB under this account which are protected by N2WS.	integer
<b>num_instances</b> <i>optional</i>	Number of instances under this account which are protected by N2WS.	integer
<b>username</b> <i>optional</i>	Username of the user this account is associated with. For media type <code>text/csv</code> , this column will not be included if there is only one applicable user.	string



#### 36.8.4. Produces

- application/json
- text/csv

## 36.9. Anonymized account usage report

```
GET /api/reports/usage/anonymized/
```

### 36.9.1. 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

### 36.9.2. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_usage_anonymized_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_usage\_anonymized\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	ID of the account.	string
<b>controlled_entities</b> <i>optional</i>	Number of entities under this account which are controlled by N2WS.	integer
<b>num_efs</b> <i>optional</i>	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	integer
<b>num_fsx</b> <i>optional</i>		integer



Name	Description	Schema
<b>num_gib_of_dynamo_db</b> <i>optional</i>	Number of DynamoDB GiB under this account which are protected by N2WS.	integer
<b>num_gib_of_fsx</b> <i>optional</i>		integer
<b>num_gib_of_independent_volumes</b> <i>optional</i>	Number of independent volume GiB under this account which are protected by N2WS.	integer
<b>num_gib_of_rds</b> <i>optional</i>	Number of RDS GiB under this account which are protected by N2WS.	integer
<b>num_gib_of_redshift</b> <i>optional</i>	Number of Redshift GiB under this account which are protected by N2WS.	integer
<b>num_instances</b> <i>optional</i>	Number of instances under this account which are protected by N2WS.	integer
<b>user_id</b> <i>optional</i>	ID of the user this account is associated with.	string

### 36.9.3. Produces

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

## 36.10. User/Account detailed usage reports

```
GET /api/reports/usage/detailed/
```

### 36.10.1. 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

### 36.10.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>account_name</b> <i>optional</i>	Name of the account.	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Name of the user.	string

### 36.10.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_usage_detailed_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_usage\_detailed\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	ID of the account.	integer
<b>account_name</b> <i>optional</i>	Name of the account.	string
<b>capturing_vpcs</b> <i>optional</i>	Protecting VPCs under this account, by VPCs capturing.	boolean
<b>num_controlled_entities</b> <i>optional</i>	Number of entities under this account which are controlled by N2WS.	string
<b>num_efs</b> <i>optional</i>	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	string
<b>num_fsx</b> <i>optional</i>	Number of FSx systems under this account which are protected by N2WS.	string
<b>num_gib_of_dynamo_db</b> <i>optional</i>	Number of DynamoDB GiB under this account which are protected by N2WS.	string
<b>num_gib_of_fsx</b> <i>optional</i>	Number of FSx GiB under this account which are protected by N2WS.	string
<b>num_gib_of_independent_volumes</b> <i>optional</i>	Number of independent volume GiB under this account which are protected by N2WS.	string

Name	Description	Schema
<b>num_gib_of_rds</b> <i>optional</i>	Number of RDS GiB under this account which are protected by N2WS.	string
<b>num_gib_of_redshift</b> <i>optional</i>	Number of Redshift GiB under this account which are protected by N2WS.	string
<b>num_gib_of_sap_hana</b> <i>optional</i>		string
<b>num_instances</b> <i>optional</i>	Number of instances under this account which are protected by N2WS.	string
<b>num_instances_dr</b> <i>optional</i>	Number of instances under this account which are protected by N2WS DR policies.	string
<b>num_instances_s3</b> <i>optional</i>	Number of instances under this account which are protected by N2WS S3 policies.	string
<b>report_time</b> <i>optional</i>	The date of the report.	string
<b>scanning_tags</b> <i>optional</i>	Protecting entities under this account, by backup tags scanning.	boolean
<b>total_non_instance_storage</b> <i>optional</i>	Total number of non-instance storage GiB under this account which are protected by N2WS.	string
<b>user_id</b> <i>optional</i>	ID of the user this account is associated with.	integer
<b>username</b> <i>optional</i>	Name of the user.	string

### 36.10.4. Produces

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

## 36.11. User/Account detailed anonymous usage reports

```
GET /api/reports/usage/detailed/anonymous/
```

### 36.11.1. 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*

### 36.11.2. Parameters

Type	Name	Description	Schema
Query	<b>account</b> <i>optional</i>	ID of the account this resource is associated with.	string
Query	<b>account_name</b> <i>optional</i>	Name of the account.	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account * account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer

Type	Name	Description	Schema
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Name of the user.	string

### 36.11.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_usage_detailed_anonymous_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_usage\_detailed\_anonymous\_list

Name	Description	Schema
<b>account_id</b> <i>optional</i>	ID of the account.	integer
<b>account_name</b> <i>optional</i>	Name of the account.	string
<b>capturing_vpcs</b> <i>optional</i>	Protecting VPCs under this account, by VPCs capturing.	boolean
<b>num_controlled_entities</b> <i>optional</i>	Number of entities under this account which are controlled by N2WS.	string
<b>num_efs</b> <i>optional</i>	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	string
<b>num_fsx</b> <i>optional</i>	Number of FSx systems under this account which are protected by N2WS.	string
<b>num_gib_of_dynamo_db</b> <i>optional</i>	Number of DynamoDB GiB under this account which are protected by N2WS.	string
<b>num_gib_of_fsx</b> <i>optional</i>	Number of FSx GiB under this account which are protected by N2WS.	string
<b>num_gib_of_independent_volumes</b> <i>optional</i>	Number of independent volume GiB under this account which are protected by N2WS.	string

Name	Description	Schema
<b>num_gib_of_rds</b> <i>optional</i>	Number of RDS GiB under this account which are protected by N2WS.	string
<b>num_gib_of_redshift</b> <i>optional</i>	Number of Redshift GiB under this account which are protected by N2WS.	string
<b>num_gib_of_sap_hana</b> <i>optional</i>		string
<b>num_instances</b> <i>optional</i>	Number of instances under this account which are protected by N2WS.	string
<b>num_instances_dr</b> <i>optional</i>	Number of instances under this account which are protected by N2WS DR policies.	string
<b>num_instances_s3</b> <i>optional</i>	Number of instances under this account which are protected by N2WS S3 policies.	string
<b>report_time</b> <i>optional</i>	The date of the report.	string
<b>scanning_tags</b> <i>optional</i>	Protecting entities under this account, by backup tags scanning.	boolean
<b>total_non_instance_storage</b> <i>optional</i>	Total number of non-instance storage GiB under this account which are protected by N2WS.	string
<b>user_id</b> <i>optional</i>	ID of the user this account is associated with.	integer
<b>username</b> <i>optional</i>	Name of the user.	string

### 36.11.4. Produces

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

## 36.12. User/Account summary usage reports

```
GET /api/reports/usage/summary/
```

### 36.12.1. 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*

### 36.12.2. Parameters

Type	Name	Description	Schema
Query	<b>account_name</b> <i>optional</i>	Name of the account.	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string



Type	Name	Description	Schema
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Name of the user.	string

### 36.12.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_usage_summary_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_usage\_summary\_list

Name	Description	Schema
<b>capturing_vpcs</b> <i>optional</i>	Protecting VPCs under this account, by VPCs capturing.	boolean
<b>num_controlled_entities</b> <i>optional</i>	Number of entities under this account which are controlled by N2WS.	string
<b>num_efs</b> <i>optional</i>	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	string
<b>num_fsx</b> <i>optional</i>	Number of FSx systems under this account which are protected by N2WS.	string
<b>num_gib_of_dynamo_db</b> <i>optional</i>	Number of DynamoDB GiB under this account which are protected by N2WS.	string
<b>num_gib_of_fsx</b> <i>optional</i>	Number of FSx GiB under this account which are protected by N2WS.	string
<b>num_gib_of_independent_volumes</b> <i>optional</i>	Number of independent volume GiB under this account which are protected by N2WS.	string
<b>num_gib_of_rds</b> <i>optional</i>	Number of RDS GiB under this account which are protected by N2WS.	string
<b>num_gib_of_redshift</b> <i>optional</i>	Number of Redshift GiB under this account which are protected by N2WS.	string
<b>num_instances</b> <i>optional</i>	Number of instances under this account which are protected by N2WS.	string
<b>num_instances_dr</b> <i>optional</i>	Number of instances under this account which are protected by N2WS DR policies.	string

Name	Description	Schema
<b>num_instances_s3</b> <i>optional</i>	Number of instances under this account which are protected by N2WS S3 policies.	string
<b>report_time</b> <i>optional</i>	The date of the report.	string
<b>scanning_tags</b> <i>optional</i>	Protecting entities under this account, by backup tags scanning.	boolean
<b>total_non_instance_storage</b> <i>optional</i>	Total number of non-instance storage GiB under this account which are protected by N2WS.	string
<b>user_id</b> <i>optional</i>	ID of the user.	integer
<b>username</b> <i>optional</i>	Name of the user.	string

#### 36.12.4. Produces

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

## 36.13. User/Account anonymous summary usage reports

```
GET /api/reports/usage/summary/anonymous/
```

### 36.13.1. 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*

### 36.13.2. Parameters

Type	Name	Description	Schema
Query	<b>account_name</b> <i>optional</i>	Name of the account.	string
Query	<b>from_time</b> <i>optional</i>	Time from which to display reports.	string
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * account_name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

Type	Name	Description	Schema
Query	<b>to_time</b> <i>optional</i>	Time until which to display reports.	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string
Query	<b>username</b> <i>optional</i>	Name of the user.	string

### 36.13.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_reports_usage_summary_anonymous_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_reports\_usage\_summary\_anonymous\_list

Name	Description	Schema
<b>capturing_vpcs</b> <i>optional</i>	Protecting VPCs under this account, by VPCs capturing.	boolean
<b>num_controlled_entities</b> <i>optional</i>	Number of entities under this account which are controlled by N2WS.	string
<b>num_efs</b> <i>optional</i>	Number of Elastic File Systems (EFS) under this account which are protected by N2WS.	string
<b>num_fsx</b> <i>optional</i>	Number of FSx systems under this account which are protected by N2WS.	string
<b>num_gib_of_dynamo_db</b> <i>optional</i>	Number of DynamoDB GiB under this account which are protected by N2WS.	string
<b>num_gib_of_fsx</b> <i>optional</i>	Number of FSx GiB under this account which are protected by N2WS.	string
<b>num_gib_of_independent_volumes</b> <i>optional</i>	Number of independent volume GiB under this account which are protected by N2WS.	string
<b>num_gib_of_rds</b> <i>optional</i>	Number of RDS GiB under this account which are protected by N2WS.	string
<b>num_gib_of_redshift</b> <i>optional</i>	Number of Redshift GiB under this account which are protected by N2WS.	string
<b>num_instances</b> <i>optional</i>	Number of instances under this account which are protected by N2WS.	string

Name	Description	Schema
<b>num_instances_dr</b> <i>optional</i>	Number of instances under this account which are protected by N2WS DR policies.	string
<b>num_instances_s3</b> <i>optional</i>	Number of instances under this account which are protected by N2WS S3 policies.	string
<b>report_time</b> <i>optional</i>	The date of the report.	string
<b>scanning_tags</b> <i>optional</i>	Protecting entities under this account, by backup tags scanning.	boolean
<b>total_non_instance_storage</b> <i>optional</i>	Total number of non-instance storage GiB under this account which are protected by N2WS.	string
<b>user_id</b> <i>optional</i>	ID of the user.	integer
<b>username</b> <i>optional</i>	Name of the user.	string

#### 36.13.4. Produces

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

# Chapter 37. Scheduled Reports

## 37.1. Create a scheduled report

POST /api/scheduled\_reports/

### 37.1.1. 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

### 37.1.2. Parameters

Type	Name	Schema
Body	<b>data_scheduled_reports_create</b> <i>required</i>	<a href="#">data_scheduled_reports_create</a>

#### data\_scheduled\_reports\_create

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the scheduled report will be enabled.	boolean
<b>filters</b> <i>optional</i>	Filters for the report.	<a href="#">data_scheduled_reports_create_filters</a>
<b>freezer_items</b> <i>optional</i>	Frozen backups inclusion filter  <b>Allowed Enum Values</b> * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
<b>is_anonymized</b> <i>optional</i>	If set, the scheduled report will be anonymized.	boolean
<b>is_detailed</b> <i>optional</i>	If set, the scheduled report will be with full details.	boolean

Name	Description	Schema
<b>name</b> <i>required</i>	Name of the resource.	string
<b>recipients</b> <i>required</i>	Recipients of the scheduled report.	< string > array
<b>report_type</b> <i>required</i>	Type of the scheduled report.  <b>Allowed Enum Values</b> * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (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, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this scheduled report for when to run.	< integer > array
<b>user</b> <i>required</i>	ID of the owner user.	integer

**data\_scheduled\_reports\_create\_filters**

Name	Description	Schema
<b>account</b> <i>optional</i>		integer
<b>azure_account</b> <i>optional</i>		integer



Name	Description	Schema
<b>azure_policy</b> <i>optional</i>		integer
<b>last_period_interval</b> <i>optional</i>		integer
<b>last_period_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
<b>period_length</b> <i>optional</i>		integer
<b>period_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * W (Week) * M (Month)	enum (W, M)
<b>policy</b> <i>optional</i>		integer
<b>user</b> <i>optional</i>		integer

### 37.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_scheduled_reports_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_scheduled\_reports\_create

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the scheduled report will be enabled.	boolean
<b>filters</b> <i>optional</i>	Filters for the report.	<a href="#">response_scheduled_reports_create_filters</a>

Name	Description	Schema
<b>freezer_items</b> <i>optional</i>	Frozen backups inclusion filter  <b>Allowed Enum Values</b> * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_anonymized</b> <i>optional</i>	If set, the scheduled report will be anonymized.	boolean
<b>is_detailed</b> <i>optional</i>	If set, the scheduled report will be with full details.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>recipients</b> <i>optional</i>	Recipients of the scheduled report.	< string > array
<b>report_type</b> <i>optional</i>	Type of the scheduled report.  <b>Allowed Enum Values</b> * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (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, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)

Name	Description	Schema
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this scheduled report for when to run.	< integer > array
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### response\_scheduled\_reports\_create\_filters

Name	Description	Schema
<b>account</b> <i>optional</i>		integer
<b>azure_account</b> <i>optional</i>		integer
<b>azure_policy</b> <i>optional</i>		integer
<b>last_period_interval</b> <i>optional</i>		integer
<b>last_period_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
<b>period_length</b> <i>optional</i>		integer
<b>period_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * W (Week) * M (Month)	enum (W, M)
<b>policy</b> <i>optional</i>		integer
<b>user</b> <i>optional</i>		integer

#### 37.1.4. Consumes

- `application/json`

#### 37.1.5. Produces

- `application/json`

## 37.2. List scheduled reports

```
GET /api/scheduled_reports/
```

### 37.2.1. 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

### 37.2.2. Parameters

Type	Name	Description	Schema
Query	<b>ordering</b> <i>optional</i>	Fields to sort the result by (separate multiple values with commas): * enabled * name * username	string
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>report_type</b> <i>optional</i>	Type of the scheduled report.	string
Query	<b>schedules</b> <i>optional</i>	Schedule IDs associated with this scheduled report for when to run.	string
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * name * description * name of related schedule * description of related schedule	string
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 37.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_scheduled_reports_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_scheduled\_reports\_list

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the scheduled report will be enabled.	boolean
<b>filters</b> <i>optional</i>	Filters for the report.	<a href="#">response_scheduled_reports_list_filters</a>
<b>freezer_items</b> <i>optional</i>	Frozen backups inclusion filter  <b>Allowed Enum Values</b> * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_anonymized</b> <i>optional</i>	If set, the scheduled report will be anonymized.	boolean
<b>is_detailed</b> <i>optional</i>	If set, the scheduled report will be with full details.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>recipients</b> <i>optional</i>	Recipients of the scheduled report.	< string > array

Name	Description	Schema
<b>report_type</b> <i>optional</i>	Type of the scheduled report.  <b>Allowed Enum Values</b> * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (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, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this scheduled report for when to run.	< integer > array
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_scheduled\_reports\_list\_filters**

Name	Description	Schema
<b>account</b> <i>optional</i>		integer
<b>azure_account</b> <i>optional</i>		integer
<b>azure_policy</b> <i>optional</i>		integer
<b>last_period_interval</b> <i>optional</i>		integer

Name	Description	Schema
<b>last_period_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
<b>period_length</b> <i>optional</i>		integer
<b>period_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * W (Week) * M (Month)	enum (W, M)
<b>policy</b> <i>optional</i>		integer
<b>user</b> <i>optional</i>		integer

### 37.2.4. Produces

- `application/json`

## 37.3. Retrieve a scheduled report

```
GET /api/scheduled_reports/{id}/
```

### 37.3.1. 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

### 37.3.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 37.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_scheduled_reports_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_scheduled\_reports\_read

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the scheduled report will be enabled.	boolean
<b>filters</b> <i>optional</i>	Filters for the report.	<a href="#">response_scheduled_reports_read_filters</a>



Name	Description	Schema
<b>freezer_items</b> <i>optional</i>	Frozen backups inclusion filter  <b>Allowed Enum Values</b> * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_anonymized</b> <i>optional</i>	If set, the scheduled report will be anonymized.	boolean
<b>is_detailed</b> <i>optional</i>	If set, the scheduled report will be with full details.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>recipients</b> <i>optional</i>	Recipients of the scheduled report.	< string > array
<b>report_type</b> <i>optional</i>	Type of the scheduled report.  <b>Allowed Enum Values</b> * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (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, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)

Name	Description	Schema
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this scheduled report for when to run.	< integer > array
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### response\_scheduled\_reports\_read\_filters

Name	Description	Schema
<b>account</b> <i>optional</i>		integer
<b>azure_account</b> <i>optional</i>		integer
<b>azure_policy</b> <i>optional</i>		integer
<b>last_period_interval</b> <i>optional</i>		integer
<b>last_period_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
<b>period_length</b> <i>optional</i>		integer
<b>period_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * W (Week) * M (Month)	enum (W, M)
<b>policy</b> <i>optional</i>		integer
<b>user</b> <i>optional</i>		integer

### 37.3.4. Produces

- `application/json`

## 37.4. Update a scheduled report

```
PUT /api/scheduled_reports/{id}/
```

### 37.4.1. 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

### 37.4.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_scheduled_reports_update</b> <i>required</i>	<a href="#">data_scheduled_reports_update</a>

#### data\_scheduled\_reports\_update

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the scheduled report will be enabled.	boolean
<b>filters</b> <i>optional</i>	Filters for the report.	<a href="#">data_scheduled_reports_update_filters</a>
<b>freezer_items</b> <i>optional</i>	Frozen backups inclusion filter  <b>Allowed Enum Values</b> * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
<b>is_anonymized</b> <i>optional</i>	If set, the scheduled report will be anonymized.	boolean

Name	Description	Schema
<b>is_detailed</b> <i>optional</i>	If set, the scheduled report will be with full details.	boolean
<b>name</b> <i>required</i>	Name of the resource.	string
<b>recipients</b> <i>required</i>	Recipients of the scheduled report.	< string > array
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this scheduled report for when to run.	< integer > array

**data\_scheduled\_reports\_update\_filters**

Name	Description	Schema
<b>account</b> <i>optional</i>		integer
<b>azure_account</b> <i>optional</i>		integer
<b>azure_policy</b> <i>optional</i>		integer
<b>last_period_interval</b> <i>optional</i>		integer
<b>last_period_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
<b>period_length</b> <i>optional</i>		integer
<b>period_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * W (Week) * M (Month)	enum (W, M)
<b>policy</b> <i>optional</i>		integer
<b>user</b> <i>optional</i>		integer

**37.4.3. Responses**

HTTP Code	Description	Schema
200	OK	<a href="#">response_scheduled_reports_update</a>
400	Bad Request	No Content

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

**response\_scheduled\_reports\_update**

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>enabled</b> <i>optional</i>	If set, the scheduled report will be enabled.	boolean
<b>filters</b> <i>optional</i>	Filters for the report.	<a href="#">response_scheduled_reports_update_filters</a>
<b>freezer_items</b> <i>optional</i>	Frozen backups inclusion filter  <b>Allowed Enum Values</b> * exclude-frozen (Exclude Frozen) * include-frozen (Include All) * only-frozen (Frozen Only)	enum (exclude-frozen, include-frozen, only-frozen)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>is_anonymized</b> <i>optional</i>	If set, the scheduled report will be anonymized.	boolean
<b>is_detailed</b> <i>optional</i>	If set, the scheduled report will be with full details.	boolean
<b>name</b> <i>optional</i>	Name of the resource.	string
<b>recipients</b> <i>optional</i>	Recipients of the scheduled report.	< string > array

Name	Description	Schema
<b>report_type</b> <i>optional</i>	Type of the scheduled report.  <b>Allowed Enum Values</b> * A (Audit) * B (Backup) * P (Protected Resources) * D (Unprotected Resources) * R (Resource Control Operations) * S (Snapshots) * U (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, US, UD, USA, UDA, UA, M, AB, AS, AU, AUS, AUD, ASA, ADA, AUA, AM, AP, AD)
<b>schedules</b> <i>optional</i>	Schedule IDs associated with this scheduled report for when to run.	< integer > array
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_scheduled\_reports\_update\_filters**

Name	Description	Schema
<b>account</b> <i>optional</i>		integer
<b>azure_account</b> <i>optional</i>		integer
<b>azure_policy</b> <i>optional</i>		integer
<b>last_period_interval</b> <i>optional</i>		integer

Name	Description	Schema
<b>last_period_unit</b> <i>optional</i>	<b>Allowed Enum Values</b> * D (Days) * W (Weeks) * O (Months) * Y (Years)	enum (D, W, O, Y)
<b>period_length</b> <i>optional</i>		integer
<b>period_type</b> <i>optional</i>	<b>Allowed Enum Values</b> * W (Week) * M (Month)	enum (W, M)
<b>policy</b> <i>optional</i>		integer
<b>user</b> <i>optional</i>		integer

#### 37.4.4. Consumes

- `application/json`

#### 37.4.5. Produces

- `application/json`

## 37.5. Delete a scheduled report

```
DELETE /api/scheduled_reports/{id}/
```

### 37.5.1. 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

### 37.5.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	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



## 37.6. Run a scheduled report immediately

```
POST /api/scheduled_reports/{scheduled_report_id}/run/
```

### 37.6.1. 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

### 37.6.2. Parameters

Type	Name	Schema
Path	<b>scheduled_report_id</b> <i>required</i>	string

### 37.6.3. Responses

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

# Chapter 38. Schedules

## 38.1. Create a N2WS schedule

POST /api/schedules/

### 38.1.1. 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

### 38.1.2. Parameters

Type	Name	Schema
Body	<b>data_schedules_create</b> <i>required</i>	<a href="#">data_schedules_create</a>

#### data\_schedules\_create

Name	Description	Schema
<b>allow_on_friday</b> <i>optional</i>	If set, the schedule will run on Fridays.	boolean
<b>allow_on_monday</b> <i>optional</i>	If set, the schedule will run on Mondays.	boolean
<b>allow_on_saturday</b> <i>optional</i>	If set, the schedule will run on Saturdays.	boolean
<b>allow_on_sunday</b> <i>optional</i>	If set, the schedule will run on Sundays.	boolean
<b>allow_on_thursday</b> <i>optional</i>	If set, the schedule will run on Thursdays.	boolean
<b>allow_on_tuesday</b> <i>optional</i>	If set, the schedule will run on Tuesdays.	boolean
<b>allow_on_wednesday</b> <i>optional</i>	If set, the schedule will run on Wednesdays.	boolean

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>disable_times</b> <i>optional</i>	List of specific times when the schedule should not start a backup.	< <a href="#">data_schedules_create_disable_times</a> > array
<b>end_date</b> <i>optional</i>	When the schedule will expire. If not set, the default is <b>never</b> .	string
<b>every_how_many</b> <i>required</i>	What is the schedule's run frequency. Works in conjunction with <b>every_unit</b> .	integer
<b>every_unit</b> <i>optional</i>	Time unit for the schedule frequency. Works in conjunction with <b>every_how_many</b> .  <b>Allowed Enum Values</b> * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>start_date</b> <i>optional</i>	When the schedule will start operation. If not set, the default is <b>now</b> .	string
<b>timezone</b> <i>optional</i>	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
<b>user</b> <i>required</i>	ID of the owner user.	integer

**data\_schedules\_create\_disable\_times**

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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
<b>end_time</b> <i>required</i>	Time to finish disabling the schedule.	string
<b>start_time</b> <i>required</i>	Time to start disabling the schedule.	string

### 38.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_schedules_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_schedules\_create

Name	Description	Schema
<b>allow_on_friday</b> <i>optional</i>	If set, the schedule will run on Fridays.	boolean
<b>allow_on_monday</b> <i>optional</i>	If set, the schedule will run on Mondays.	boolean
<b>allow_on_saturday</b> <i>optional</i>	If set, the schedule will run on Saturdays.	boolean
<b>allow_on_sunday</b> <i>optional</i>	If set, the schedule will run on Sundays.	boolean
<b>allow_on_thursday</b> <i>optional</i>	If set, the schedule will run on Thursdays.	boolean
<b>allow_on_tuesday</b> <i>optional</i>	If set, the schedule will run on Tuesdays.	boolean
<b>allow_on_wednesday</b> <i>optional</i>	If set, the schedule will run on Wednesdays.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>disable_times</b> <i>optional</i>	List of specific times when the schedule should not start a backup.	< <a href="#">response_schedules_create_disable_times</a> > array
<b>end_date</b> <i>optional</i>	When the schedule will expire. If not set, the default is <b>never</b> .	string

Name	Description	Schema
<b>every_how_many</b> <i>optional</i>	What is the schedule's run frequency. Works in conjunction with <b>every_unit</b> .	integer
<b>every_unit</b> <i>optional</i>	Time unit for the schedule frequency. Works in conjunction with <b>every_how_many</b> .  <b>Allowed Enum Values</b> * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>num_policies</b> <i>optional</i>	Number of policies associated with the schedule.	integer
<b>num_recovery_scenarios</b> <i>optional</i>	Number of recovery scenarios associated with the schedule.	integer
<b>num_scheduled_reports</b> <i>optional</i>	Number of scheduled reports associated with the schedule.	integer
<b>start_date</b> <i>optional</i>	When the schedule will start operation. If not set, the default is <b>now</b> .	string
<b>timezone</b> <i>optional</i>	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_schedules\_create\_disable\_times**

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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)
<b>end_time</b> <i>optional</i>	Time to finish disabling the schedule.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>	Time to start disabling the schedule.	string

### 38.1.4. Consumes

- `application/json`

### 38.1.5. Produces

- `application/json`

## 38.2. List N2WS schedules

GET /api/schedules/

### 38.2.1. 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

### 38.2.2. Parameters

Type	Name	Description	Schema
Query	<b>azure_policy</b> <i>optional</i>	None	string
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer



Type	Name	Description	Schema
Query	<b>policy</b> <i>optional</i>	ID of the policy this resource is associated with.	string
Query	<b>scheduled_repo</b> <i>optional</i>	None	string
Query	<b>search</b> <i>optional</i>	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	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 38.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_schedules_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_schedules\_list

Name	Description	Schema
<b>allow_on_friday</b> <i>optional</i>	If set, the schedule will run on Fridays.	boolean
<b>allow_on_monday</b> <i>optional</i>	If set, the schedule will run on Mondays.	boolean
<b>allow_on_saturday</b> <i>optional</i>	If set, the schedule will run on Saturdays.	boolean
<b>allow_on_sunday</b> <i>optional</i>	If set, the schedule will run on Sundays.	boolean
<b>allow_on_thursday</b> <i>optional</i>	If set, the schedule will run on Thursdays.	boolean
<b>allow_on_tuesday</b> <i>optional</i>	If set, the schedule will run on Tuesdays.	boolean
<b>allow_on_wednesday</b> <i>optional</i>	If set, the schedule will run on Wednesdays.	boolean

Name	Description	Schema
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>disable_times</b> <i>optional</i>	List of specific times when the schedule should not start a backup.	< <a href="#">response_schedules_list_disable_times</a> > array
<b>end_date</b> <i>optional</i>	When the schedule will expire. If not set, the default is <b>never</b> .	string
<b>every_how_many</b> <i>optional</i>	What is the schedule's run frequency. Works in conjunction with <b>every_unit</b> .	integer
<b>every_unit</b> <i>optional</i>	Time unit for the schedule frequency. Works in conjunction with <b>every_how_many</b> .  <b>Allowed Enum Values</b> * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>num_policies</b> <i>optional</i>	Number of policies associated with the schedule.	integer
<b>num_recovery_scenarios</b> <i>optional</i>	Number of recovery scenarios associated with the schedule.	integer
<b>num_scheduled_reports</b> <i>optional</i>	Number of scheduled reports associated with the schedule.	integer
<b>start_date</b> <i>optional</i>	When the schedule will start operation. If not set, the default is <b>now</b> .	string
<b>timezone</b> <i>optional</i>	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_schedules\_list\_disable\_times**

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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)
<b>end_time</b> <i>optional</i>	Time to finish disabling the schedule.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>	Time to start disabling the schedule.	string

### 38.2.4. Produces

- `application/json`

## 38.3. Retrieve a N2WS schedule

```
GET /api/schedules/{id}/
```

### 38.3.1. 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

### 38.3.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 38.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_schedules_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_schedules\_read

Name	Description	Schema
<b>allow_on_friday</b> <i>optional</i>	If set, the schedule will run on Fridays.	boolean
<b>allow_on_monday</b> <i>optional</i>	If set, the schedule will run on Mondays.	boolean
<b>allow_on_saturday</b> <i>optional</i>	If set, the schedule will run on Saturdays.	boolean

Name	Description	Schema
<b>allow_on_sunday</b> <i>optional</i>	If set, the schedule will run on Sundays.	boolean
<b>allow_on_thursday</b> <i>optional</i>	If set, the schedule will run on Thursdays.	boolean
<b>allow_on_tuesday</b> <i>optional</i>	If set, the schedule will run on Tuesdays.	boolean
<b>allow_on_wednesday</b> <i>optional</i>	If set, the schedule will run on Wednesdays.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>disable_times</b> <i>optional</i>	List of specific times when the schedule should not start a backup.	< <a href="#">response_schedules_read_disable_times</a> > array
<b>end_date</b> <i>optional</i>	When the schedule will expire. If not set, the default is <i>never</i> .	string
<b>every_how_many</b> <i>optional</i>	What is the schedule's run frequency. Works in conjunction with <i>every_unit</i> .	integer
<b>every_unit</b> <i>optional</i>	Time unit for the schedule frequency. Works in conjunction with <i>every_how_many</i> .  <b>Allowed Enum Values</b> * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>num_policies</b> <i>optional</i>	Number of policies associated with the schedule.	integer
<b>num_recovery_scenarios</b> <i>optional</i>	Number of recovery scenarios associated with the schedule.	integer
<b>num_scheduled_reports</b> <i>optional</i>	Number of scheduled reports associated with the schedule.	integer
<b>start_date</b> <i>optional</i>	When the schedule will start operation. If not set, the default is <i>now</i> .	string

Name	Description	Schema
<b>timezone</b> <i>optional</i>	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### response\_schedules\_read\_disable\_times

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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)
<b>end_time</b> <i>optional</i>	Time to finish disabling the schedule.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>	Time to start disabling the schedule.	string

### 38.3.4. Produces

- application/json

## 38.4. Update a N2WS schedule

```
PUT /api/schedules/{id}/
```

### 38.4.1. 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

### 38.4.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_schedules_update</b> <i>required</i>	<a href="#">data_schedules_update</a>

#### data\_schedules\_update

Name	Description	Schema
<b>allow_on_friday</b> <i>optional</i>	If set, the schedule will run on Fridays.	boolean
<b>allow_on_monday</b> <i>optional</i>	If set, the schedule will run on Mondays.	boolean
<b>allow_on_saturday</b> <i>optional</i>	If set, the schedule will run on Saturdays.	boolean
<b>allow_on_sunday</b> <i>optional</i>	If set, the schedule will run on Sundays.	boolean
<b>allow_on_thursday</b> <i>optional</i>	If set, the schedule will run on Thursdays.	boolean
<b>allow_on_tuesday</b> <i>optional</i>	If set, the schedule will run on Tuesdays.	boolean

Name	Description	Schema
<b>allow_on_wednesday</b> <i>optional</i>	If set, the schedule will run on Wednesdays.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>disable_times</b> <i>optional</i>	List of specific times when the schedule should not start a backup.	< <a href="#">data_schedules_update_disable_times</a> > array
<b>end_date</b> <i>optional</i>	When the schedule will expire. If not set, the default is <b>never</b> .	string
<b>every_how_many</b> <i>required</i>	What is the schedule's run frequency. Works in conjunction with <b>every_unit</b> .	integer
<b>every_unit</b> <i>optional</i>	Time unit for the schedule frequency. Works in conjunction with <b>every_how_many</b> .  <b>Allowed Enum Values</b> * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
<b>name</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>start_date</b> <i>optional</i>	When the schedule will start operation. If not set, the default is <b>now</b> .	string
<b>timezone</b> <i>optional</i>	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
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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
<b>end_time</b> <i>required</i>	Time to finish disabling the schedule.	string
<b>start_time</b> <i>required</i>	Time to start disabling the schedule.	string

### 38.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_schedules_update</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_schedules\_update

Name	Description	Schema
<b>allow_on_friday</b> <i>optional</i>	If set, the schedule will run on Fridays.	boolean
<b>allow_on_monday</b> <i>optional</i>	If set, the schedule will run on Mondays.	boolean
<b>allow_on_saturday</b> <i>optional</i>	If set, the schedule will run on Saturdays.	boolean
<b>allow_on_sunday</b> <i>optional</i>	If set, the schedule will run on Sundays.	boolean
<b>allow_on_thursday</b> <i>optional</i>	If set, the schedule will run on Thursdays.	boolean
<b>allow_on_tuesday</b> <i>optional</i>	If set, the schedule will run on Tuesdays.	boolean
<b>allow_on_wednesday</b> <i>optional</i>	If set, the schedule will run on Wednesdays.	boolean
<b>description</b> <i>optional</i>	Description for the resource.	string
<b>disable_times</b> <i>optional</i>	List of specific times when the schedule should not start a backup.	< <a href="#">response_schedules_update_disable_times</a> > array

Name	Description	Schema
<b>end_date</b> <i>optional</i>	When the schedule will expire. If not set, the default is <b>never</b> .	string
<b>every_how_many</b> <i>optional</i>	What is the schedule's run frequency. Works in conjunction with <b>every_unit</b> .	integer
<b>every_unit</b> <i>optional</i>	Time unit for the schedule frequency. Works in conjunction with <b>every_how_many</b> .  <b>Allowed Enum Values</b> * M (Minutes) * H (Hours) * D (Days) * W (Weeks) * O (Months)	enum (M, H, D, W, O)
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>last_modified</b> <i>optional</i>	Modification time of the resource.	string
<b>name</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string
<b>num_policies</b> <i>optional</i>	Number of policies associated with the schedule.	integer
<b>num_recovery_scenarios</b> <i>optional</i>	Number of recovery scenarios associated with the schedule.	integer
<b>num_scheduled_reports</b> <i>optional</i>	Number of scheduled reports associated with the schedule.	integer
<b>start_date</b> <i>optional</i>	When the schedule will start operation. If not set, the default is <b>now</b> .	string
<b>timezone</b> <i>optional</i>	If set, the schedule will run using the specified timezone, otherwise using the N2WS configured timezone.	string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_schedules\_update\_disable\_times**

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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)
<b>end_time</b> <i>optional</i>	Time to finish disabling the schedule.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>	Time to start disabling the schedule.	string

#### 38.4.4. Consumes

- `application/json`

#### 38.4.5. Produces

- `application/json`

## 38.5. Delete a N2WS schedule

```
DELETE /api/schedules/{id}/
```

### 38.5.1. 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

### 38.5.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 38.5.3. Responses

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

## 38.6. Add a disable time to a schedule

```
POST /api/schedules/{schedule_id}/disable_times/
```

### 38.6.1. 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

### 38.6.2. Parameters

Type	Name	Schema
Path	<b>schedule_id</b> <i>required</i>	string
Body	<b>data_schedules_disable_times_create</b> <i>required</i>	<a href="#">data_schedules_disable_times_create</a>

#### data\_schedules\_disable\_times\_create

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* A (All)</li> <li>* M (Monday)</li> <li>* T (Tuesday)</li> <li>* W (Wednesday)</li> <li>* H (Thursday)</li> <li>* F (Friday)</li> <li>* S (Saturday)</li> <li>* U (Sunday)</li> </ul>	enum (A, M, T, W, H, F, S, U)
<b>end_time</b> <i>required</i>	Time to finish disabling the schedule.	string

Name	Description	Schema
<b>start_time</b> <i>required</i>	Time to start disabling the schedule.	string

### 38.6.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_schedules_disable_times_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_schedules\_disable\_times\_create

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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)
<b>end_time</b> <i>optional</i>	Time to finish disabling the schedule.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>	Time to start disabling the schedule.	string

### 38.6.4. Consumes

- `application/json`

### 38.6.5. Produces

- `application/json`

## 38.7. List the disable times of a schedule

```
GET /api/schedules/{schedule_id}/disable_times/
```

### 38.7.1. Description

This endpoint returns the disable times of the schedule whose 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

### 38.7.2. Parameters

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

### 38.7.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_schedules_disable_times_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_schedules\_disable\_times\_list

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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)
<b>end_time</b> <i>optional</i>	Time to finish disabling the schedule.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>	Time to start disabling the schedule.	string

### 38.7.4. Produces

- `application/json`



## 38.8. Retrieve a disable time of a schedule

```
GET /api/schedules/{schedule_id}/disable_times/{id}/
```

### 38.8.1. 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

### 38.8.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>schedule_id</b> <i>required</i>	string

### 38.8.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_schedules_disable_times_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

**response\_schedules\_disable\_times\_read**

Name	Description	Schema
<b>day</b> <i>optional</i>	Day to disable the schedule.  <b>Allowed Enum Values</b> * 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)
<b>end_time</b> <i>optional</i>	Time to finish disabling the schedule.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>start_time</b> <i>optional</i>	Time to start disabling the schedule.	string

### 38.8.4. Produces

- `application/json`

## 38.9. Delete a disable time from a schedule

```
DELETE /api/schedules/{schedule_id}/disable_times/{id}/
```

### 38.9.1. 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

### 38.9.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Path	<b>schedule_id</b> <i>required</i>	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

## 38.10. List a schedule's future run times

```
GET /api/schedules/{schedule_id}/run_times/
```

### 38.10.1. 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

### 38.10.2. Parameters

Type	Name	Description	Schema
Path	<code>schedule_id</code> <i>required</i>		string
Query	<code>days_ahead</code> <i>required</i>	Days ahead to calculate scheduled run times for.	number

### 38.10.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_schedules_run_times_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_schedules\_run\_times\_list

Name	Description	Schema
<code>schedule_name</code> <i>optional</i>	Name of schedule the backup is running.	string
<code>schedule_time</code> <i>optional</i>	Date and time for a future backup for the timezone defined in <code>schedule_timezone</code> .	string
<code>schedule_timezone</code> <i>optional</i>	Timezone the schedule was configured with.	string

Name	Description	Schema
<b>system_time</b> <i>optional</i>	Date and time for a future backup for the timezone defined in <code>system_timezone</code> .	string
<b>system_timezone</b> <i>optional</i>	Timezone the system was configured with.	string
<b>time</b> <i>optional</i>	Date and time for a future backup in UTC.	string

#### 38.10.4. Produces

- `application/json`



# Chapter 39. Settings

## 39.1. Change N2WS activation key

POST /api/settings/activation\_key/

### 39.1.1. 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

### 39.1.2. Parameters

Type	Name	Schema
Body	<b>data_settings_activation_key_create</b> <i>required</i>	<a href="#">data_settings_activation_key_create</a>

#### data\_settings\_activation\_key\_create

Name	Description	Schema
<b>activation_key</b> <i>required</i>	New activation key.	string

### 39.1.3. Responses

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

### 39.1.4. Consumes

- *application/json*

## 39.2. Change N2WS cleanup settings

POST /api/settings/cleanup/

### 39.2.1. 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

### 39.2.2. Parameters

Type	Name	Schema
Body	<b>data_settings_cleanup_create</b> <i>required</i>	<a href="#">data_settings_cleanup_create</a>

**data\_settings\_cleanup\_create**

Name	Description	Schema
<b>cleanup_interval</b> <i>required</i>	Cleanup schedule interval (hours).	integer
<b>cleanup_type</b> <i>optional</i>	Type of logs to clean.  <b>Allowed Enum Values</b> * snapshots (Snapshots and AMIs) * s3 (S3 Repositories)	enum (snapshots, s3)
<b>days_until_single_ami_rotation</b> <i>required</i>	How many days to wait before rotation of old single AMIs.	integer
<b>keep_deleted_backup_records</b> <i>required</i>	Keep backups for reporting after they are deleted (days).	integer
<b>keep_resource_control_records</b> <i>required</i>	Keep resource control record logs (days).	integer
<b>keep_retry_backup_records</b> <i>optional</i>	Keep failed retry backup records (true/false).	boolean
<b>keep_user_audit_logs_days</b> <i>required</i>	Keep user audit logs (days).	integer



### 39.2.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_cleanup_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_cleanup\_create

Name	Description	Schema
<b>cleanup_interval</b> <i>optional</i>	Cleanup schedule interval (hours).	integer
<b>cleanup_type</b> <i>optional</i>	Type of logs to clean.  <b>Allowed Enum Values</b> * snapshots (Snapshots and AMIs) * s3 (S3 Repositories)	enum (snapshots, s3)
<b>days_until_single_ami_rotation</b> <i>optional</i>	How many days to wait before rotation of old single AMIs.	integer
<b>keep_deleted_backup_records</b> <i>optional</i>	Keep backups for reporting after they are deleted (days).	integer
<b>keep_resource_control_records</b> <i>optional</i>	Keep resource control record logs (days).	integer
<b>keep_retry_backup_records</b> <i>optional</i>	Keep failed retry backup records (true/false).	boolean
<b>keep_user_audit_logs_days</b> <i>optional</i>	Keep user audit logs (days).	integer
<b>last_cleanup_time</b> <i>optional</i>	Last time Cleanup was executed.	string
<b>last_s3_cleanup_time</b> <i>optional</i>	Last time an S3 Cleanup was executed.	string

### 39.2.4. Consumes

- `application/json`

### 39.2.5. Produces

- `application/json`

## 39.3. Retrieve N2WS cleanup settings

```
GET /api/settings/cleanup/
```

### 39.3.1. 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

### 39.3.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.3.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_cleanup_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_settings\_cleanup\_list**

Name	Description	Schema
<b>cleanup_interval</b> <i>optional</i>	Cleanup schedule interval (hours).	integer
<b>cleanup_type</b> <i>optional</i>	Type of logs to clean.  <b>Allowed Enum Values</b> * snapshots (Snapshots and AMIs) * s3 (S3 Repositories)	enum (snapshots, s3)

Name	Description	Schema
<b>days_until_single_ami_rotation</b> <i>optional</i>	How many days to wait before rotation of old single AMIs.	integer
<b>keep_deleted_backup_records</b> <i>optional</i>	Keep backups for reporting after they are deleted (days).	integer
<b>keep_resource_control_records</b> <i>optional</i>	Keep resource control record logs (days).	integer
<b>keep_retry_backup_records</b> <i>optional</i>	Keep failed retry backup records (true/false).	boolean
<b>keep_user_audit_logs_days</b> <i>optional</i>	Keep user audit logs (days).	integer
<b>last_cleanup_time</b> <i>optional</i>	Last time Cleanup was executed.	string
<b>last_s3_cleanup_time</b> <i>optional</i>	Last time an S3 Cleanup was executed.	string

### 39.3.4. Produces

- `application/json`

## 39.4. List cleanup logs

```
GET /api/settings/cleanup/logs/
```

### 39.4.1. 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

### 39.4.2. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_settings_cleanup_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_settings\_cleanup\_list\_logs**

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	Severity of the logging.	string

### 39.4.3. Produces

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

## 39.5. Run the cleanup operation

```
POST /api/settings/cleanup/run/
```

### 39.5.1. 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

### 39.5.2. Responses

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

## 39.6. List S3 cleanup logs

```
GET /api/settings/cleanup/s3_logs/
```

### 39.6.1. 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

### 39.6.2. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_settings_cleanup_list_s3_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_cleanup\_list\_s3\_logs

Name	Description	Schema
<b>log</b> <i>optional</i>	Log message.	string
<b>log_time</b> <i>optional</i>	Time of the logging.	string
<b>log_type</b> <i>optional</i>	Severity of the logging.	string

### 39.6.3. Produces

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

## 39.7. Download N2WS's certificate

```
GET /api/settings/cpm_certificate/
```

### 39.7.1. 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

### 39.7.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.7.3. Responses

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

## 39.8. Update N2WS log mode settings

POST /api/settings/cpm\_log\_mode/

### 39.8.1. 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

### 39.8.2. Parameters

Type	Name	Schema
Body	<b>data_settings_cpm_log_mode_create</b> <i>required</i>	<a href="#">data_settings_cpm_log_mode_create</a>

#### data\_settings\_cpm\_log\_mode\_create

Name	Description	Schema
<b>cpm_log_mode</b> <i>optional</i>	N2WS server's log mode.  <b>Allowed Enum Values</b> * STANDARD (Standard) * DEBUG (Diagnostics)	enum (STANDARD, DEBUG)

### 39.8.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_cpm_log_mode_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_cpm\_log\_mode\_create



Name	Description	Schema
<b>cpm_log_mode</b> <i>optional</i>	N2WS server's log mode.  <b>Allowed Enum Values</b> * STANDARD (Standard) * DEBUG (Diagnostics)	enum (STANDARD, DEBUG)

#### 39.8.4. Consumes

- `application/json`

#### 39.8.5. Produces

- `application/json`

## 39.9. Retrieve N2WS log mode settings

```
GET /api/settings/cpm_log_mode/
```

### 39.9.1. 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

### 39.9.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.9.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_cpm_log_mode_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_settings\_cpm\_log\_mode\_list**

Name	Description	Schema
<b>cpm_log_mode</b> <i>optional</i>	N2WS server's log mode.  <b>Allowed Enum Values</b> * STANDARD (Standard) * DEBUG (Diagnostics)	enum (STANDARD, DEBUG)



#### 39.9.4. Produces

- `application/json`

## 39.10. Download N2WS's metadata

```
GET /api/settings/cpm_metadata/
```

### 39.10.1. 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

### 39.10.2. Responses

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

## 39.11. Create N2WS email identity settings

POST /api/settings/email\_identity/

### 39.11.1. 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

### 39.11.2. Parameters

Type	Name	Schema
Body	<b>data_settings_email_identity_create</b> <i>required</i>	<a href="#">data_settings_email_identity_create</a>

#### data\_settings\_email\_identity\_create

Name	Description	Schema
<b>email_address</b> <i>optional</i>	Email address as source for SES messages.	string
<b>enabled</b> <i>required</i>	Use Simple Email Service (SES).	boolean
<b>ses_access_key</b> <i>optional</i>	Access key for SES client.	string
<b>ses_account</b> <i>optional</i>	Account ID.	string
<b>ses_authentication</b> <i>optional</i>	Authentication method: <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
<b>ses_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SES) * S (SMTP)	enum (A, S)

Name	Description	Schema
<b>ses_region</b> <i>optional</i>	Region for SES client.	string
<b>ses_secret_key</b> <i>optional</i>	Secret key for SES client.	string
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS).  <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_password</b> <i>optional</i>	SMTP password.	string
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_password</b> <i>optional</i>		string
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
<b>smtp_proxy_username</b> <i>optional</i>		string
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>verify_source_address</b> <i>optional</i>	Flag if to verify source address. True by default.	boolean

### 39.11.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_email_identity_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_settings\_email\_identity\_create**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>email_address</b> <i>optional</i>	Email address as source for SES messages.	string
<b>enabled</b> <i>optional</i>	Use Simple Email Service (SES).	boolean
<b>ses_access_key</b> <i>optional</i>	Access key for SES client.	string
<b>ses_account</b> <i>optional</i>	Account ID.	string
<b>ses_authentication</b> <i>optional</i>	Authentication method:  <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
<b>ses_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SES) * S (SMTP)	enum (A, S)
<b>ses_region</b> <i>optional</i>	Region for SES client.	string
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS).  <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
<b>smtp_proxy_username</b> <i>optional</i>		string

Name	Description	Schema
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>verify_source_address</b> <i>optional</i>	Flag if to verify source address. True by default.	boolean

#### 39.11.4. Consumes

- `application/json`

#### 39.11.5. Produces

- `application/json`



## 39.12. Retrieve the N2WS email identity settings

```
GET /api/settings/email_identity/
```

### 39.12.1. 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

### 39.12.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.12.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_email_identity_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_email\_identity\_list

Name	Description	Schema
<b>email_address</b> <i>optional</i>	Email address as source for SES messages.	string
<b>enabled</b> <i>optional</i>	Use Simple Email Service (SES).	boolean
<b>ses_access_key</b> <i>optional</i>	Access key for SES client.	string

Name	Description	Schema
<b>ses_account</b> <i>optional</i>	Account ID.	string
<b>ses_authentication</b> <i>optional</i>	Authentication method:  <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (N2WS Instance IAM Role) * A (Assume Role)	enum (C, R, A)
<b>ses_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SES) * S (SMTP)	enum (A, S)
<b>ses_region</b> <i>optional</i>	Region for SES client.	string
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS).  <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
<b>smtp_proxy_username</b> <i>optional</i>		string
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>verify_source_address</b> <i>optional</i>	Flag if to verify source address. True by default.	boolean

### 39.12.4. Produces

- `application/json`

## 39.13. Send email verification request for N2WS email identity

POST /api/settings/email\_identity/verify/

### 39.13.1. 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

### 39.13.2. Parameters

Type	Name	Schema
Body	<b>data_settings_email_identity_verify</b> <i>required</i>	<a href="#">data_settings_email_identity_verify</a>

#### data\_settings\_email\_identity\_verify

Name	Description	Schema
<b>email_address</b> <i>required</i>	Email address as source for SES messages.	string

### 39.13.3. Responses

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

### 39.13.4. Consumes

- `application/json`

## 39.14. Retrieve this email verification request status

```
GET /api/settings/email_identity/verify_status/
```

### 39.14.1. 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

### 39.14.2. Parameters

Type	Name	Description	Schema
Query	<b>email_address</b> <i>required</i>	Email address awaiting verification.	string

### 39.14.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_email_identity_verify_status</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_email\_identity\_verify\_status

Name	Description	Schema
<b>email_address</b> <i>optional</i>	Email address awaiting verification.	string
<b>status</b> <i>optional</i>	Status of Email address verification request.	string

### 39.14.4. Produces

- *application/json*

## 39.15. Create N2WS identifier settings

POST /api/settings/identifier/

### 39.15.1. 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 identifier and override the existing one.

- *Initial Release:* 1.1.0
- *Last Modified Version:* 1.4.0

### 39.15.2. Parameters

Type	Name	Schema
Body	<b>data_settings_identifier_create</b> <i>required</i>	<a href="#">data_settings_identifier_create</a>

#### data\_settings\_identifier\_create

Name	Description	Schema
<b>cpm_name</b> <i>required</i>	N2WS server's name.	string

### 39.15.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_identifier_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_identifier\_create

Name	Description	Schema
<b>cpm_name</b> <i>optional</i>	N2WS server's name.	string
<b>cpm_uuid</b> <i>optional</i>	N2WS server's unique identifier.	string

#### 39.15.4. Consumes

- `application/json`

#### 39.15.5. Produces

- `application/json`

## 39.16. Retrieve the N2WS identifier settings

```
GET /api/settings/identifier/
```

### 39.16.1. 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

### 39.16.2. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_identifier_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_identifier\_read

Name	Description	Schema
<b>cpm_name</b> <i>optional</i>	N2WS server's name.	string
<b>cpm_uuid</b> <i>optional</i>	N2WS server's unique identifier.	string

### 39.16.3. Produces

- `application/json`

## 39.17. Update N2WS identifier settings

```
PUT /api/settings/identifier/
```

### 39.17.1. 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

### 39.17.2. Parameters

Type	Name	Schema
Body	<b>data_settings_identifier_update</b> <i>required</i>	<a href="#">data_settings_identifier_update</a>

#### data\_settings\_identifier\_update

Name	Description	Schema
<b>cpm_name</b> <i>required</i>	N2WS server's name.	string

### 39.17.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_identifier_update</a>
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
<b>cpm_name</b> <i>optional</i>	N2WS server's name.	string
<b>cpm_uuid</b> <i>optional</i>	N2WS server's unique identifier.	string

#### 39.17.4. Consumes

- `application/json`

#### 39.17.5. Produces

- `application/json`

## 39.18. Change N2WS identity provider settings

POST /api/settings/identity\_provider/

### 39.18.1. 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

### 39.18.2. Parameters

Type	Name	Schema
Body	<b>data_settings_identity_provider_create</b> <i>required</i>	<a href="#">data_settings_identity_provider_create</a>

#### data\_settings\_identity\_provider\_create

Name	Description	Schema
<b>cpm_address</b> <i>optional</i>	Identity provider's N2WS IP or DNS.	string
<b>directory_service_enabled</b> <i>optional</i>	Whether the identity provider is enabled.	boolean
<b>entity_id</b> <i>optional</i>	Identity provider's identifier (URI).	string
<b>nameid_format</b> <i>optional</i>	Identity provider's NameID format.  <b>Allowed Enum Values</b> * 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
<b>signin_url</b> <i>optional</i>	Authentication request target (URL).	string
<b>signout_url</b> <i>optional</i>	Logout request target (URL).	string
<b>x509cert</b> <i>optional</i>	Identity provider's x509 certification file.	string
<b>x509cert_file</b> <i>optional</i>	Identity provider's x509 certification file.	string

### 39.18.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_identity_provider_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_identity\_provider\_create

Name	Description	Schema
<b>cpm_address</b> <i>optional</i>	Identity provider's N2WS IP or DNS.	string
<b>directory_service_enabled</b> <i>optional</i>	Whether the identity provider is enabled.	boolean
<b>entity_id</b> <i>optional</i>	Identity provider's identifier (URI).	string
<b>nameid_format</b> <i>optional</i>	Identity provider's NameID format.  <b>Allowed Enum Values</b> <ul style="list-style-type: none"> <li>* email (Email Address)</li> <li>* x509 (x509)</li> <li>* windows (Windows Domain Qualified Name)</li> <li>* unspecified (Unspecified)</li> <li>* kerberos (Kerberos)</li> <li>* entity (Entity)</li> <li>* transient (Transient)</li> <li>* persistent (Persistent)</li> <li>* encrypted (Encrypted)</li> </ul>	enum (email, x509, windows, unspecified, kerberos, entity, transient, persistent, encrypted)
<b>redirect_url</b> <i>optional</i>	Test connection URL. Only applicable on test connection.	string

Name	Description	Schema
<b>signin_url</b> <i>optional</i>	Authentication request target (URL).	string
<b>signout_url</b> <i>optional</i>	Logout request target (URL).	string
<b>x509cert_filename</b> <i>optional</i>	Identity provider's x509 certification file name.	string

#### 39.18.4. Consumes

- `application/json`

#### 39.18.5. Produces

- `application/json`

## 39.19. Retrieve the N2WS identity provider settings

```
GET /api/settings/identity_provider/
```

### 39.19.1. 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

### 39.19.2. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_identity_provider_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_identity\_provider\_list

Name	Description	Schema
<b>cpm_address</b> <i>optional</i>	Identity provider's N2WS IP or DNS.	string
<b>directory_service_enabled</b> <i>optional</i>	Whether the identity provider is enabled.	boolean
<b>entity_id</b> <i>optional</i>	Identity provider's identifier (URI).	string

Name	Description	Schema
<b>nameid_format</b> <i>optional</i>	Identity provider's NameID format.  <b>Allowed Enum Values</b> * 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)
<b>redirect_url</b> <i>optional</i>	Test connection URL. Only applicable on test connection.	string
<b>signin_url</b> <i>optional</i>	Authentication request target (URL).	string
<b>signout_url</b> <i>optional</i>	Logout request target (URL).	string
<b>x509cert_filename</b> <i>optional</i>	Identity provider's x509 certification file name.	string

### 39.19.3. Produces

- `application/json`

## 39.20. Retrieve the N2WS IP and DNS addresses

```
GET /api/settings/identity_provider/cpm_addresses/
```

### 39.20.1. 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

### 39.20.2. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_identity_provider_get_cpm_address</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_identity\_provider\_get\_cpm\_address

Name	Description	Schema
<b>address</b> <i>optional</i>	IP address or DNS of the N2WS server.	string
<b>address_type</b> <i>optional</i>	Is this IP address or DNS of the N2WS server.	string

### 39.20.3. Produces

- *application/json*

## 39.21. List the settings for the N2WS identity provider's groups

```
GET /api/settings/identity_provider/groups/
```

### 39.21.1. 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

### 39.21.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.21.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_settings_identity_provider_groups_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_identity\_provider\_groups\_list

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
<b>allow_backup_changes</b> <i>optional</i>	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean



Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	Identity provider group allowed cost explorer.	boolean
<b>allow_file_level_restore</b> <i>optional</i>	Identity provider group allowed file level recovery.	boolean
<b>allow_recovery</b> <i>optional</i>	Whether the delegate is able to perform recovery operations.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	Identity provider group allowed volumes occupied percent.	boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>max_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
<b>max_aws_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts.	integer
<b>max_azure_accounts</b> <i>optional</i>	Identity provider group max number of AZURE accounts.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Identity provider group max DynamoDB tables (GiB).	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Identity provider group max non-instance EBS (GiB).	integer
<b>max_instances</b> <i>optional</i>	Identity provider group max number of instances.	integer
<b>max_rds_gib</b> <i>optional</i>	Identity provider group max RDS (GiB).	integer

Name	Description	Schema
<b>max_redshift_gib</b> <i>optional</i>	Identity provider group max Redshift clusters (GiB).	integer
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>original_username</b> <i>optional</i>	Identity provider group original username.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.  <b>Allowed Enum Values</b> * I (Independent) * M (Managed) * D (Delegate)	enum (I, M, D)
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

### 39.21.4. Produces

- `application/json`

## 39.22. Create a N2WS identity provider's group settings

POST /api/settings/identity\_provider/groups/delegates/

### 39.22.1. 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

### 39.22.2. Parameters

Type	Name	Schema
Body	<b>data_settings_identity_provider_groups_delegates_create</b> <i>required</i>	<a href="#">data_settings_identity_provider_groups_delegates_create</a>

#### data\_settings\_identity\_provider\_groups\_delegates\_create

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
<b>allow_backup_changes</b> <i>optional</i>	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
<b>allow_recovery</b> <i>optional</i>	Whether the delegate is able to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>		boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>name</b> <i>required</i>	Identity provider group name.	string
<b>original_username</b> <i>required</i>	Identity provider group original username.	string

### 39.22.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_identity_provider_groups_delegates_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_identity\_provider\_groups\_delegates\_create

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
<b>allow_backup_changes</b> <i>optional</i>	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
<b>allow_recovery</b> <i>optional</i>	Whether the delegate is able to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>		boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>original_username</b> <i>optional</i>	Identity provider group original username.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent, (M)Managed, (D)Delegate.	string

### 39.22.4. Consumes

- `application/json`

### 39.22.5. Produces

- `application/json`

## 39.23. List the settings for the N2WS identity provider’s groups

```
GET /api/settings/identity_provider/groups/delegates/
```

### 39.23.1. 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

### 39.23.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.23.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_settings_identity_provider_groups_delegates_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_settings\_identity\_provider\_groups\_delegates\_list**

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
<b>allow_backup_changes</b> <i>optional</i>	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean

Name	Description	Schema
<b>allow_recovery</b> <i>optional</i>	Whether the delegate is able to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>		boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>original_username</b> <i>optional</i>	Identity provider group original username.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

### 39.23.4. Produces

- `application/json`

## 39.24. Retrieve the settings for the N2WS identity provider's groups.

```
GET /api/settings/identity_provider/groups/delegates/{id}/
```

### 39.24.1. 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

### 39.24.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 39.24.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_identity_provider_groups_delegates_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_settings\_identity\_provider\_groups\_delegates\_read

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
<b>allow_backup_changes</b> <i>optional</i>	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
<b>allow_recovery</b> <i>optional</i>	Whether the delegate is able to perform recovery operations.	boolean

Name	Description	Schema
<b>allow_settings_changes</b> <i>optional</i>		boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>original_username</b> <i>optional</i>	Identity provider group original username.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

### 39.24.4. Produces

- `application/json`



## 39.25. Update a N2WS identity provider's group settings

```
PUT /api/settings/identity_provider/groups/delegates/{id}/
```

### 39.25.1. 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

### 39.25.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_settings_identity_provider_groups_delegates_update</b> <i>required</i>	<a href="#">data_settings_identity_provider_groups_delegates_update</a>

#### data\_settings\_identity\_provider\_groups\_delegates\_update

Name	Description	Schema
<b>allow_account_changes</b> <i>optional</i>	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
<b>allow_backup_changes</b> <i>optional</i>	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
<b>allow_recovery</b> <i>optional</i>	Whether the delegate is able to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>		boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>name</b> <i>required</i>	Identity provider group name.	string
<b>original_username</b> <i>required</i>	Identity provider group original username.	string

### 39.25.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_identity_provider_groups_delegates_update</a>
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
<b>allow_account_changes</b> <i>optional</i>	Whether the delegate is able to edit/add/remove AWS accounts.	boolean
<b>allow_backup_changes</b> <i>optional</i>	Whether the delegate is allowed to make changes to policies, backups, etc.	boolean
<b>allow_recovery</b> <i>optional</i>	Whether the delegate is able to perform recovery operations.	boolean
<b>allow_settings_changes</b> <i>optional</i>		boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>original_username</b> <i>optional</i>	Identity provider group original username.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent, (M)Managed, (D)Delegate.	string

### 39.25.4. Consumes

- `application/json`

### 39.25.5. Produces

- `application/json`

## 39.26. Delete a N2WS identity provider's group settings

```
DELETE /api/settings/identity_provider/groups/delegates/{id}/
```

### 39.26.1. 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

### 39.26.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 39.26.3. 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

## 39.27. Create a N2WS identity provider's group settings

POST /api/settings/identity\_provider/groups/users/

### 39.27.1. 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

### 39.27.2. Parameters

Type	Name	Schema
Body	<b>data_settings_identity_provider_groups_users_create</b> <i>required</i>	<a href="#">data_settings_identity_provider_groups_users_create</a>

#### data\_settings\_identity\_provider\_groups\_users\_create

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	Identity provider group allowed cost explorer.	boolean
<b>allow_file_level_restore</b> <i>optional</i>	Identity provider group allowed file level recovery.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	Identity provider group allowed volumes occupied percent.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>max_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
<b>max_aws_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts.	integer
<b>max_azure_accounts</b> <i>optional</i>	Identity provider group max number of AZURE accounts.	integer

Name	Description	Schema
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Identity provider group max DynamoDB tables (GiB).	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Identity provider group max non-instance EBS (GiB).	integer
<b>max_instances</b> <i>optional</i>	Identity provider group max number of instances.	integer
<b>max_rds_gib</b> <i>optional</i>	Identity provider group max RDS (GiB).	integer
<b>max_redshift_gib</b> <i>optional</i>	Identity provider group max Redshift clusters (GiB).	integer
<b>name</b> <i>required</i>	Identity provider group name.	string
<b>user_type</b> <i>required</i>	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

### 39.27.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_identity_provider_groups_users_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_settings\_identity\_provider\_groups\_users\_create**

<b>Name</b>	<b>Description</b>	<b>Schema</b>
<b>allow_cost_explorer</b> <i>optional</i>	Identity provider group allowed cost explorer.	boolean
<b>allow_file_level_restore</b> <i>optional</i>	Identity provider group allowed file level recovery.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	Identity provider group allowed volumes occupied percent.	boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>max_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
<b>max_aws_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts.	integer
<b>max_azure_accounts</b> <i>optional</i>	Identity provider group max number of AZURE accounts.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Identity provider group max DynamoDB tables (GiB).	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Identity provider group max non-instance EBS (GiB).	integer
<b>max_instances</b> <i>optional</i>	Identity provider group max number of instances.	integer
<b>max_rds_gib</b> <i>optional</i>	Identity provider group max RDS (GiB).	integer
<b>max_redshift_gib</b> <i>optional</i>	Identity provider group max Redshift clusters (GiB).	integer

Name	Description	Schema
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

#### 39.27.4. Consumes

- `application/json`

#### 39.27.5. Produces

- `application/json`

## 39.28. List the settings for the N2WS identity provider’s groups

```
GET /api/settings/identity_provider/groups/users/
```

### 39.28.1. 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

### 39.28.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.28.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_settings_identity_provider_groups_users_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_identity\_provider\_groups\_users\_list

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	Identity provider group allowed cost explorer.	boolean
<b>allow_file_level_restore</b> <i>optional</i>	Identity provider group allowed file level recovery.	boolean



Name	Description	Schema
<b>allow_volumes_occupied_percent</b> <i>optional</i>	Identity provider group allowed volumes occupied percent.	boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>max_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
<b>max_aws_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts.	integer
<b>max_azure_accounts</b> <i>optional</i>	Identity provider group max number of AZURE accounts.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Identity provider group max DynamoDB tables (GiB).	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Identity provider group max non-instance EBS (GiB).	integer
<b>max_instances</b> <i>optional</i>	Identity provider group max number of instances.	integer
<b>max_rds_gib</b> <i>optional</i>	Identity provider group max RDS (GiB).	integer
<b>max_redshift_gib</b> <i>optional</i>	Identity provider group max Redshift clusters (GiB).	integer
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string

Name	Description	Schema
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

#### 39.28.4. Produces

- `application/json`

## 39.29. Retrieve the settings for the N2WS identity provider's groups.

```
GET /api/settings/identity_provider/groups/users/{id}/
```

### 39.29.1. 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

### 39.29.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 39.29.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_identity_provider_groups_users_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_settings\_identity\_provider\_groups\_users\_read

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	Identity provider group allowed cost explorer.	boolean
<b>allow_file_level_restore</b> <i>optional</i>	Identity provider group allowed file level recovery.	boolean

Name	Description	Schema
<b>allow_volumes_occupied_percent</b> <i>optional</i>	Identity provider group allowed volumes occupied percent.	boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>max_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
<b>max_aws_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts.	integer
<b>max_azure_accounts</b> <i>optional</i>	Identity provider group max number of AZURE accounts.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Identity provider group max DynamoDB tables (GiB).	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Identity provider group max non-instance EBS (GiB).	integer
<b>max_instances</b> <i>optional</i>	Identity provider group max number of instances.	integer
<b>max_rds_gib</b> <i>optional</i>	Identity provider group max RDS (GiB).	integer
<b>max_redshift_gib</b> <i>optional</i>	Identity provider group max Redshift clusters (GiB).	integer
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent, (M)Managed, (D)Delegate.	string

Name	Description	Schema
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

#### 39.29.4. Produces

- `application/json`

## 39.30. Update a N2WS identity provider’s group settings

```
PUT /api/settings/identity_provider/groups/users/{id}/
```

### 39.30.1. 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

### 39.30.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_settings_identity_provider_groups_users_update</b> <i>required</i>	<a href="#">data_settings_identity_provider_groups_users_update</a>

#### data\_settings\_identity\_provider\_groups\_users\_update

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	Identity provider group allowed cost explorer.	boolean
<b>allow_file_level_restore</b> <i>optional</i>	Identity provider group allowed file level recovery.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	Identity provider group allowed volumes occupied percent.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>max_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
<b>max_aws_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts.	integer

Name	Description	Schema
<b>max_azure_accounts</b> <i>optional</i>	Identity provider group max number of AZURE accounts.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Identity provider group max DynamoDB tables (GiB).	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Identity provider group max non-instance EBS (GiB).	integer
<b>max_instances</b> <i>optional</i>	Identity provider group max number of instances.	integer
<b>max_rds_gib</b> <i>optional</i>	Identity provider group max RDS (GiB).	integer
<b>max_redshift_gib</b> <i>optional</i>	Identity provider group max Redshift clusters (GiB).	integer
<b>name</b> <i>required</i>	Identity provider group name.	string
<b>user_type</b> <i>required</i>	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

### 39.30.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_identity_provider_groups_users_update</a>
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
<b>allow_cost_explorer</b> <i>optional</i>	Identity provider group allowed cost explorer.	boolean
<b>allow_file_level_restore</b> <i>optional</i>	Identity provider group allowed file level recovery.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	Identity provider group allowed volumes occupied percent.	boolean
<b>default_group</b> <i>optional</i>	Identity provider default group - created by N2WS, not by user.	boolean
<b>enabled</b> <i>optional</i>	Whether an identity provider group is enabled.	boolean
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>max_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts. This field is deprecated, please use max_aws_accounts.	integer
<b>max_aws_accounts</b> <i>optional</i>	Identity provider group max number of AWS accounts.	integer
<b>max_azure_accounts</b> <i>optional</i>	Identity provider group max number of AZURE accounts.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Identity provider group max DynamoDB tables (GiB).	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Identity provider group max non-instance EBS (GiB).	integer



Name	Description	Schema
<b>max_instances</b> <i>optional</i>	Identity provider group max number of instances.	integer
<b>max_rds_gib</b> <i>optional</i>	Identity provider group max RDS (GiB).	integer
<b>max_redshift_gib</b> <i>optional</i>	Identity provider group max Redshift clusters (GiB).	integer
<b>name</b> <i>optional</i>	Identity provider group name.	string
<b>user_type</b> <i>optional</i>	Identity provider group user type - (I)Independent , (M)Managed, (D)Delegate.	string
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

### 39.30.4. Consumes

- `application/json`

### 39.30.5. Produces

- `application/json`

## 39.31. Delete a N2WS identity provider's group settings

```
DELETE /api/settings/identity_provider/groups/users/{id}/
```

### 39.31.1. 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

### 39.31.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 39.31.3. 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

## 39.32. Test the N2WS active directory connection

POST /api/settings/identity\_provider/test\_connection/

### 39.32.1. 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

### 39.32.2. Parameters

Type	Name	Schema
Body	<b>data_settings_identity_provider_test_connection</b> <i>required</i>	<a href="#">data_settings_identity_provider_test_connection</a>

#### data\_settings\_identity\_provider\_test\_connection

Name	Description	Schema
<b>cpm_address</b> <i>optional</i>	Identity provider's N2WS IP or DNS.	string
<b>directory_service_enabled</b> <i>optional</i>	Whether the identity provider is enabled.	boolean
<b>entity_id</b> <i>optional</i>	Identity provider's identifier (URI).	string
<b>nameid_format</b> <i>optional</i>	Identity provider's NameID format.  <b>Allowed Enum Values</b> * 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
<b>signin_url</b> <i>optional</i>	Authentication request target (URL).	string
<b>signout_url</b> <i>optional</i>	Logout request target (URL).	string
<b>x509cert</b> <i>optional</i>	Identity provider's x509 certification file.	string
<b>x509cert_file</b> <i>optional</i>	Identity provider's x509 certification file.	string

### 39.32.3. Responses

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

### 39.32.4. Consumes

- `application/json`

## 39.33. Create N2WS notifications settings

POST /api/settings/notifications/

### 39.33.1. 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

### 39.33.2. Parameters

Type	Name	Schema
Body	<b>data_settings_notifications_create</b> <i>required</i>	<a href="#">data_settings_notifications_create</a>

#### data\_settings\_notifications\_create

Name	Description	Schema
<b>alerts</b> <i>optional</i>		<a href="#">data_settings_notifications_create_alerts</a>
<b>daily_summary</b> <i>optional</i>		<a href="#">data_settings_notifications_create_daily_summary</a>
<b>include_managed_user_alerts</b> <i>optional</i>	Include managed users alerts.	boolean
<b>notifications_publish_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SNS) * S (SMTP)	enum (A, S)

Name	Description	Schema
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS).  <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_email_address</b> <i>optional</i>	SMTP sender email address.	string
<b>smtp_password</b> <i>optional</i>	SMTP password.	string
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_password</b> <i>optional</i>		string
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
<b>smtp_proxy_username</b> <i>optional</i>		string
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>sns_access_key</b> <i>optional</i>	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
<b>sns_account</b> <i>optional</i>	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
<b>sns_authentication</b> <i>optional</i>	Authentication method.  <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
<b>sns_region</b> <i>optional</i>	AWS region for the SNS service.	string
<b>sns_secret_key</b> <i>optional</i>	AWS secret key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string

Name	Description	Schema
<b>user</b> <i>required</i>	ID of the owner user.	integer

**data\_settings\_notifications\_create\_alerts**

Name	Schema
<b>add_user_email</b> <i>optional</i>	boolean
<b>create_new_topic</b> <i>optional</i>	boolean
<b>enabled</b> <i>optional</i>	boolean
<b>smtp_alert_recipients</b> <i>optional</i>	< string > array
<b>sns_alerts_topic_arn</b> <i>optional</i>	string

**data\_settings\_notifications\_create\_daily\_summary**

Name	Schema
<b>add_user_email_to_summary</b> <i>optional</i>	boolean
<b>create_new_summery_topic</b> <i>optional</i>	boolean
<b>enable_summary</b> <i>optional</i>	boolean
<b>smtp_daily_summary_recipients</b> <i>optional</i>	< string > array
<b>sns_summary_topic_arn</b> <i>optional</i>	string
<b>summary_daily_time</b> <i>optional</i>	string
<b>use_same_sns_topic</b> <i>optional</i>	boolean

**39.33.3. Responses**

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_notifications_create</a>

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

**response\_settings\_notifications\_create**

Name	Description	Schema
<b>alerts</b> <i>optional</i>		<a href="#">response_settings_notifications_create_alerts</a>
<b>daily_summary</b> <i>optional</i>		<a href="#">response_settings_notifications_create_daily_summary</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>include_managed_user_alerts</b> <i>optional</i>	Include managed users alerts.	boolean
<b>notifications_publish_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SNS) * S (SMTP)	enum (A, S)
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_email_address</b> <i>optional</i>	SMTP sender email address.	string
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)



Name	Description	Schema
<b>smtp_proxy_username</b> <i>optional</i>		string
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>sns_access_key</b> <i>optional</i>	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
<b>sns_account</b> <i>optional</i>	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
<b>sns_authentication</b> <i>optional</i>	Authentication method.  <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
<b>sns_region</b> <i>optional</i>	AWS region for the SNS service.	string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_settings\_notifications\_create\_alerts**

Name	Schema
<b>enabled</b> <i>optional</i>	boolean
<b>smtp_alert_recipients</b> <i>optional</i>	< string > array
<b>sns_alerts_topic_arn</b> <i>optional</i>	string

**response\_settings\_notifications\_create\_daily\_summary**

Name	Schema
<b>enable_summary</b> <i>optional</i>	boolean
<b>smtp_daily_summary_recipients</b> <i>optional</i>	< string > array
<b>sns_summary_topic_arn</b> <i>optional</i>	string
<b>summary_daily_time</b> <i>optional</i>	string

Name	Schema
use_same_sns_topic <i>optional</i>	boolean

#### 39.33.4. Consumes

- `application/json`

#### 39.33.5. Produces

- `application/json`

## 39.34. Get N2WS notifications settings

```
GET /api/settings/notifications/
```

### 39.34.1. 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

### 39.34.2. Parameters

Type	Name	Description	Schema
Query	<b>user</b> <i>optional</i>	ID of the owner user.	string

### 39.34.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_settings_notifications_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_notifications\_list

Name	Description	Schema
<b>alerts</b> <i>optional</i>		<a href="#">response_settings_notifications_list_alerts</a>
<b>daily_summary</b> <i>optional</i>		<a href="#">response_settings_notifications_list_daily_summary</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>include_managed_user_alerts</b> <i>optional</i>	Include managed users alerts.	boolean
<b>notifications_publish_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SNS) * S (SMTP)	enum (A, S)
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_email_address</b> <i>optional</i>	SMTP sender email address.	string
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
<b>smtp_proxy_username</b> <i>optional</i>		string
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>sns_access_key</b> <i>optional</i>	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
<b>sns_account</b> <i>optional</i>	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
<b>sns_authentication</b> <i>optional</i>	Authentication method. <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
<b>sns_region</b> <i>optional</i>	AWS region for the SNS service.	string

Name	Description	Schema
<b>user</b> <i>optional</i>	ID of the owner user.	integer

**response\_settings\_notifications\_list\_alerts**

Name	Schema
<b>enabled</b> <i>optional</i>	boolean
<b>smtp_alert_recipients</b> <i>optional</i>	< string > array
<b>sns_alerts_topic_arn</b> <i>optional</i>	string

**response\_settings\_notifications\_list\_daily\_summary**

Name	Schema
<b>enable_summary</b> <i>optional</i>	boolean
<b>smtp_daily_summary_recipients</b> <i>optional</i>	< string > array
<b>sns_summary_topic_arn</b> <i>optional</i>	string
<b>summary_daily_time</b> <i>optional</i>	string
<b>use_same_sns_topic</b> <i>optional</i>	boolean

**39.34.4. Produces**

- `application/json`

## 39.35. Retrieve a N2WS notifications settings

```
GET /api/settings/notifications/{id}/
```

### 39.35.1. 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

### 39.35.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 39.35.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_notifications_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_settings\_notifications\_read

Name	Description	Schema
<b>alerts</b> <i>optional</i>		<a href="#">response_settings_notifications_read_alerts</a>
<b>daily_summary</b> <i>optional</i>		<a href="#">response_settings_notifications_read_daily_summary</a>

Name	Description	Schema
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>include_managed_user_alerts</b> <i>optional</i>	Include managed users alerts.	boolean
<b>notifications_publish_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SNS) * S (SMTP)	enum (A, S)
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_email_address</b> <i>optional</i>	SMTP sender email address.	string
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
<b>smtp_proxy_username</b> <i>optional</i>		string
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>sns_access_key</b> <i>optional</i>	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
<b>sns_account</b> <i>optional</i>	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
<b>sns_authentication</b> <i>optional</i>	Authentication method. <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)

Name	Description	Schema
<b>sns_region</b> <i>optional</i>	AWS region for the SNS service.	string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### response\_settings\_notifications\_read\_alerts

Name	Schema
<b>enabled</b> <i>optional</i>	boolean
<b>smtp_alert_recipients</b> <i>optional</i>	< string > array
<b>sns_alerts_topic_arn</b> <i>optional</i>	string

#### response\_settings\_notifications\_read\_daily\_summary

Name	Schema
<b>enable_summary</b> <i>optional</i>	boolean
<b>smtp_daily_summary_recipients</b> <i>optional</i>	< string > array
<b>sns_summary_topic_arn</b> <i>optional</i>	string
<b>summary_daily_time</b> <i>optional</i>	string
<b>use_same_sns_topic</b> <i>optional</i>	boolean

### 39.35.4. Produces

- `application/json`



## 39.36. Change N2WS notifications settings

```
PUT /api/settings/notifications/{id}/
```

### 39.36.1. 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

### 39.36.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_settings_notifications_update</b> <i>required</i>	<a href="#">data_settings_notifications_update</a>

#### data\_settings\_notifications\_update

Name	Description	Schema
<b>alerts</b> <i>optional</i>		<a href="#">data_settings_notifications_update_alerts</a>
<b>daily_summary</b> <i>optional</i>		<a href="#">data_settings_notifications_update_daily_summary</a>
<b>include_managed_user_alerts</b> <i>optional</i>	Include managed users alerts.	boolean
<b>notifications_publish_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SNS) * S (SMTP)	enum (A, S)

Name	Description	Schema
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS).  <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_email_address</b> <i>optional</i>	SMTP sender email address.	string
<b>smtp_password</b> <i>optional</i>	SMTP password.	string
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_password</b> <i>optional</i>		string
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
<b>smtp_proxy_username</b> <i>optional</i>		string
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>sns_access_key</b> <i>optional</i>	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string
<b>sns_account</b> <i>optional</i>	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
<b>sns_authentication</b> <i>optional</i>	Authentication method.  <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
<b>sns_region</b> <i>optional</i>	AWS region for the SNS service.	string
<b>sns_secret_key</b> <i>optional</i>	AWS secret key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string

**data\_settings\_notifications\_update\_alerts**

Name	Schema
<b>add_user_email</b> <i>optional</i>	boolean
<b>create_new_topic</b> <i>optional</i>	boolean
<b>enabled</b> <i>optional</i>	boolean
<b>smtp_alert_recipients</b> <i>optional</i>	< string > array
<b>sns_alerts_topic_arn</b> <i>optional</i>	string

**data\_settings\_notifications\_update\_daily\_summary**

Name	Schema
<b>add_user_email_to_summary</b> <i>optional</i>	boolean
<b>create_new_summery_topic</b> <i>optional</i>	boolean
<b>enable_summary</b> <i>optional</i>	boolean
<b>smtp_daily_summary_recipients</b> <i>optional</i>	< string > array
<b>sns_summary_topic_arn</b> <i>optional</i>	string
<b>summary_daily_time</b> <i>optional</i>	string
<b>use_same_sns_topic</b> <i>optional</i>	boolean

**39.36.3. Responses**

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_notifications_update</a>
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
<b>alerts</b> <i>optional</i>		<a href="#">response_settings_notifications_update_alerts</a>
<b>daily_summary</b> <i>optional</i>		<a href="#">response_settings_notifications_update_daily_summary</a>
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>include_managed_user_alerts</b> <i>optional</i>	Include managed users alerts.	boolean
<b>notifications_publish_method</b> <i>optional</i>	<b>Allowed Enum Values</b> * A (AWS SNS) * S (SMTP)	enum (A, S)
<b>smtp_connection_method</b> <i>optional</i>	Connection method (T=Implicit SSL/TLS, ST=Explicit SSL/TLS). <b>Allowed Enum Values</b> * T (TLS) * ST (STARTTLS)	enum (T, ST)
<b>smtp_email_address</b> <i>optional</i>	SMTP sender email address.	string
<b>smtp_port</b> <i>optional</i>	SMTP port.	integer
<b>smtp_proxy_address</b> <i>optional</i>		string
<b>smtp_proxy_enabled</b> <i>optional</i>		boolean
<b>smtp_proxy_port</b> <i>optional</i>		integer
<b>smtp_proxy_socks_version</b> <i>optional</i>	<b>Allowed Enum Values</b> * SOCKS5 (SOCKS5) * SOCKS4 (SOCKS4)	enum (SOCKS5, SOCKS4)
<b>smtp_proxy_username</b> <i>optional</i>		string
<b>smtp_server</b> <i>optional</i>	SMTP server.	string
<b>sns_access_key</b> <i>optional</i>	AWS access key for the SNS service. Applicable when 'sns_authentication' is set to 'C'.	string

Name	Description	Schema
<b>sns_account</b> <i>optional</i>	Authentication account. Applicable when 'sns_authentication' is set to 'A'.	integer
<b>sns_authentication</b> <i>optional</i>	Authentication method.  <b>Allowed Enum Values</b> * C (IAM User Credentials) * R (CPM Instance IAM Role) * A (Account)	enum (C, R, A)
<b>sns_region</b> <i>optional</i>	AWS region for the SNS service.	string
<b>user</b> <i>optional</i>	ID of the owner user.	integer

#### response\_settings\_notifications\_update\_alerts

Name	Schema
<b>enabled</b> <i>optional</i>	boolean
<b>smtp_alert_recipients</b> <i>optional</i>	< string > array
<b>sns_alerts_topic_arn</b> <i>optional</i>	string

#### response\_settings\_notifications\_update\_daily\_summary

Name	Schema
<b>enable_summary</b> <i>optional</i>	boolean
<b>smtp_daily_summary_recipients</b> <i>optional</i>	< string > array
<b>sns_summary_topic_arn</b> <i>optional</i>	string
<b>summary_daily_time</b> <i>optional</i>	string
<b>use_same_sns_topic</b> <i>optional</i>	boolean

### 39.36.4. Consumes

- `application/json`



### 39.36.5. Produces

- `application/json`

## 39.37. Test daily summary settings

```
POST /api/settings/notifications/{id}/test_daily_summary/
```

### 39.37.1. 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

### 39.37.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 39.37.3. Responses

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

## 39.38. Create N2WS password settings

POST /api/settings/password/

### 39.38.1. 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

### 39.38.2. Parameters

Type	Name	Schema
Body	<b>data_settings_password_create</b> <i>required</i>	<a href="#">data_settings_password_create</a>

#### data\_settings\_password\_create

Name	Description	Schema
<b>enable_password_expiration</b> <i>optional</i>	Enables/Disables N2WS users password expiration feature	boolean
<b>enable_password_rules</b> <i>optional</i>	Enables/Disables N2WS users password rules	boolean
<b>password_expiration_time_unit</b> <i>optional</i>	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')  <b>Allowed Enum Values</b> * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)
<b>password_expiration_time_value</b> <i>optional</i>	In case that password expiration is on, sets the numeric value for how long should the password live	integer



### 39.38.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_password_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_password\_create

Name	Description	Schema
<b>enable_password_expiration</b> <i>optional</i>	Enables/Disables N2WS users password expiration feature	boolean
<b>enable_password_rules</b> <i>optional</i>	Enables/Disables N2WS users password rules	boolean
<b>password_expiration_time_unit</b> <i>optional</i>	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')  <b>Allowed Enum Values</b> * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)
<b>password_expiration_time_value</b> <i>optional</i>	In case that password expiration is on, sets the numeric value for how long should the password live	integer

### 39.38.4. Consumes

- `application/json`

### 39.38.5. Produces

- `application/json`

## 39.39. Retrieve the N2WS password settings

```
GET /api/settings/password/
```

### 39.39.1. 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

### 39.39.2. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_password_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_password\_read

Name	Description	Schema
<b>enable_password_expiration</b> <i>optional</i>	Enables/Disables N2WS users password expiration feature	boolean
<b>enable_password_rules</b> <i>optional</i>	Enables/Disables N2WS users password rules	boolean
<b>password_expiration_time_unit</b> <i>optional</i>	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')  <b>Allowed Enum Values</b> * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)

Name	Description	Schema
<b>password_expiration_time_value</b> <i>optional</i>	In case that password expiration is on, sets the numeric value for how long should the password live	integer

### 39.39.3. Produces

- `application/json`

## 39.40. Update N2WS password settings

PUT /api/settings/password/

### 39.40.1. 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

### 39.40.2. Parameters

Type	Name	Schema
Body	<b>data_settings_password_update</b> <i>required</i>	<a href="#">data_settings_password_update</a>

#### data\_settings\_password\_update

Name	Description	Schema
<b>enable_password_expiration</b> <i>optional</i>	Enables/Disables N2WS users password expiration feature	boolean
<b>enable_password_rules</b> <i>optional</i>	Enables/Disables N2WS users password rules	boolean
<b>password_expiration_time_unit</b> <i>optional</i>	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')  <b>Allowed Enum Values</b> * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)
<b>password_expiration_time_value</b> <i>optional</i>	In case that password expiration is on, sets the numeric value for how long should the password live	integer

### 39.40.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_password_update</a>
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
<b>enable_password_expiration</b> <i>optional</i>	Enables/Disables N2WS users password expiration feature	boolean
<b>enable_password_rules</b> <i>optional</i>	Enables/Disables N2WS users password rules	boolean
<b>password_expiration_time_unit</b> <i>optional</i>	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')  <b>Allowed Enum Values</b> * D (Days) * W (Weeks) * M (Months) * Y (Years)	enum (D, W, M, Y)
<b>password_expiration_time_value</b> <i>optional</i>	In case that password expiration is on, sets the numeric value for how long should the password live	integer

### 39.40.4. Consumes

- `application/json`

### 39.40.5. Produces

- `application/json`

## 39.41. Change N2WS proxy settings

POST /api/settings/proxy/

### 39.41.1. 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

### 39.41.2. Parameters

Type	Name	Schema
Body	<b>data_settings_proxy_create</b> <i>required</i>	<a href="#">data_settings_proxy_create</a>

#### data\_settings\_proxy\_create

Name	Description	Schema
<b>address</b> <i>optional</i>	Proxy address.	string
<b>enabled</b> <i>optional</i>	Connect via web proxy.	boolean
<b>password</b> <i>optional</i>	Proxy password.	string
<b>port</b> <i>optional</i>	Proxy port.	integer
<b>user</b> <i>optional</i>	Proxy user.	string

### 39.41.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_proxy_create</a>
400	Bad Request	No Content

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

**response\_settings\_proxy\_create**

Name	Description	Schema
<b>address</b> <i>optional</i>	Proxy address.	string
<b>enabled</b> <i>optional</i>	Connect via web proxy.	boolean
<b>port</b> <i>optional</i>	Proxy port.	integer
<b>user</b> <i>optional</i>	Proxy user.	string

**39.41.4. Consumes**

- `application/json`

**39.41.5. Produces**

- `application/json`

## 39.42. Retrieve the N2WS proxy settings

```
GET /api/settings/proxy/
```

### 39.42.1. 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

### 39.42.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.42.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_proxy_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_proxy\_list

Name	Description	Schema
<b>address</b> <i>optional</i>	Proxy address.	string
<b>enabled</b> <i>optional</i>	Connect via web proxy.	boolean
<b>port</b> <i>optional</i>	Proxy port.	integer



Name	Description	Schema
<b>user</b> <i>optional</i>	Proxy user.	string

### 39.42.4. Produces

- `application/json`

## 39.43. Test the N2WS proxy settings connection

POST /api/settings/proxy/test\_connection/

### 39.43.1. 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

### 39.43.2. Parameters

Type	Name	Schema
Body	<b>data_settings_proxy_test_connection</b> <i>required</i>	<a href="#">data_settings_proxy_test_connection</a>

#### data\_settings\_proxy\_test\_connection

Name	Description	Schema
<b>address</b> <i>optional</i>	Proxy address.	string
<b>enabled</b> <i>optional</i>	Connect via web proxy.	boolean
<b>password</b> <i>optional</i>	Proxy password.	string
<b>port</b> <i>optional</i>	Proxy port.	integer
<b>user</b> <i>optional</i>	Proxy user.	string

### 39.43.3. Responses

HTTP Code	Description	Schema
200	OK	No Content

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

#### 39.43.4. Consumes

- `application/json`

## 39.44. Create N2WS security settings

POST /api/settings/security/

### 39.44.1. 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

### 39.44.2. Parameters

Type	Name	Schema
Body	<b>data_settings_security_create</b> <i>required</i>	<a href="#">data_settings_security_create</a>

#### data\_settings\_security\_create

Name	Description	Schema
<b>encryption_key_detection</b> <i>required</i>	<p>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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* S (Strict)</li> <li>* D (Use Default Key)</li> <li>* A (Use Default Key &amp; Alert)</li> </ul>	enum (S, D, A)

### 39.44.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_security_create</a>
400	Bad Request	No Content

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

**response\_settings\_security\_create**

Name	Description	Schema
<b>encryption_key_detection</b> <i>optional</i>	<p>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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* S (Strict)</li> <li>* D (Use Default Key)</li> <li>* A (Use Default Key &amp; Alert)</li> </ul>	enum (S, D, A)

**39.44.4. Consumes**

- application/json

**39.44.5. Produces**

- application/json

## 39.45. Retrieve the N2WS security settings

```
GET /api/settings/security/
```

### 39.45.1. 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

### 39.45.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.45.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_security_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_settings\_security\_list**

Name	Description	Schema
<b>encryption_key_detection</b> <i>optional</i>	<p>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.</p> <p><b>Allowed Enum Values</b></p> <ul style="list-style-type: none"> <li>* S (Strict)</li> <li>* D (Use Default Key)</li> <li>* A (Use Default Key &amp; Alert)</li> </ul>	enum (S, D, A)

### 39.45.4. Produces

- [application/json](#)

## 39.46. Change the N2WS tag scan settings

POST /api/settings/tagscan/

### 39.46.1. 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

### 39.46.2. Parameters

Type	Name	Schema
Body	<b>data_settings_tagscan_create</b> <i>required</i>	<a href="#">data_settings_tagscan_create</a>

#### data\_settings\_tagscan\_create

Name	Description	Schema
<b>scan_resources</b> <i>optional</i>	Scan resources for backup tag.	boolean
<b>tag_scan_excluded_volumes_enabled</b> <i>optional</i>		boolean
<b>tag_scan_interval</b> <i>required</i>	Tag scanning schedule interval (hours).	integer

### 39.46.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_settings_tagscan_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content



**response\_settings\_tagscan\_create**

Name	Description	Schema
<b>last_resources_scan_time</b> <i>optional</i>	Last time N2WS ran tag scan.	string
<b>scan_resources</b> <i>optional</i>	Scan resources for backup tag.	boolean
<b>tag_scan_excluded_volumes_enabled</b> <i>optional</i>		boolean
<b>tag_scan_interval</b> <i>optional</i>	Tag scanning schedule interval (hours).	integer

**39.46.4. Consumes**

- `application/json`

**39.46.5. Produces**

- `application/json`

## 39.47. Retrieve the N2WS tag scan settings

```
GET /api/settings/tagscan/
```

### 39.47.1. 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

### 39.47.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.47.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_settings_tagscan_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_tagscan\_list

Name	Description	Schema
<b>last_resources_scan_time</b> <i>optional</i>	Last time N2WS ran tag scan.	string
<b>scan_resources</b> <i>optional</i>	Scan resources for backup tag.	boolean
<b>tag_scan_excluded_volumes_enabled</b> <i>optional</i>		boolean

Name	Description	Schema
<b>tag_scan_interval</b> <i>optional</i>	Tag scanning schedule interval (hours).	integer

#### 39.47.4. Produces

- `application/json`

## 39.48. List the selected logs

```
GET /api/settings/tagscan/logs/
```

### 39.48.1. 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

### 39.48.2. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_settings_tagscan_list_logs</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_tagscan\_list\_logs

Name	Description	Schema
<code>log</code> <i>optional</i>	Log message.	string
<code>log_time</code> <i>optional</i>	Time of the logging.	string
<code>log_type</code> <i>optional</i>	Severity of the logging.	string

### 39.48.3. Produces

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

## 39.49. Run the tag scan operation

```
POST /api/settings/tagscan/run/
```

### 39.49.1. 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

### 39.49.2. Responses

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

## 39.50. Upload a new upgrade N2WS patch

POST /api/settings/upgrade\_patches/

### 39.50.1. 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

### 39.50.2. Parameters

Type	Name	Schema
Body	<b>data_settings_upgrade_patches_create</b> <i>required</i>	<a href="#">data_settings_upgrade_patches_create</a>

#### data\_settings\_upgrade\_patches\_create

Name	Description	Schema
<b>patch_file</b> <i>required</i>	New patch file for upgrade operation.	string

### 39.50.3. Responses

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

### 39.50.4. Consumes

- *application/json*

## 39.51. Retrieve a list of N2WS upgrade pathces

```
GET /api/settings/upgrade_patches/
```

### 39.51.1. 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

### 39.51.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 39.51.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_settings_upgrade_patches_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_settings\_upgrade\_patches\_list

Name	Description	Schema
<b>install_time</b> <i>optional</i>	Time patch was installed.	string
<b>name</b> <i>optional</i>	Name of patch.	string
<b>supported_versions</b> <i>optional</i>	What versions supports this upgrade.	string



### 39.51.4. Produces

- `application/json`





# Chapter 40. System

## 40.1. Information about recent backup activity of N2WS

```
GET /api/system/dashboard/activity/
```

### 40.1.1. 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

### 40.1.2. Parameters

Type	Name	Description	Schema
Query	<b>start_time</b> <i>required</i>	Start time of the backup.	string

### 40.1.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_system_dashboard_activity_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_system\_dashboard\_activity\_list

Name	Description	Schema
<b>backup_dr_fail_num</b> <i>optional</i>	Number of failed DR operations performed lately.	integer
<b>backup_dr_success_num</b> <i>optional</i>	Number of successful DR operations performed lately.	integer
<b>backup_fail_num</b> <i>optional</i>	Number of failed backup operations performed lately.	integer
<b>backup_partial_num</b> <i>optional</i>	Number of partially-successful backup operations performed lately.	integer
<b>backup_s3_fail_num</b> <i>optional</i>	Number of failed S3 copy operations performed lately.	integer

Name	Description	Schema
<b>backup_s3_partial_num</b> <i>optional</i>	Number of partially-successful S3 copy operations performed lately.	integer
<b>backup_s3_success_num</b> <i>optional</i>	Number of successful S3 copy operations performed lately.	integer
<b>backup_success_num</b> <i>optional</i>	Number of successful backup operations performed lately.	integer

#### 40.1.4. Produces

- `application/json`

## 40.2. Information about the protection provided N2WS.

```
GET /api/system/dashboard/state/
```

### 40.2.1. Description

This endpoint returns a summary of backup definitions and protected resources.

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

### 40.2.2. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_system_dashboard_state_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_system\_dashboard\_state\_list

Name	Description	Schema
<b>accounts_num</b> <i>optional</i>	Number of defined N2WS accounts.	integer
<b>azure_accounts_num</b> <i>optional</i>		integer
<b>azure_policies_num</b> <i>optional</i>		integer
<b>policies_num</b> <i>optional</i>	Number of policies defined in N2WS.	integer
<b>protected_ddb_num</b> <i>optional</i>	Number of Dynamo databases backed up by N2WS.	integer
<b>protected_disks_num</b> <i>optional</i>		integer
<b>protected_efs_num</b> <i>optional</i>	Number of EFS file systems backed up by N2WS.	integer
<b>protected_fsx_num</b> <i>optional</i>	Number of FSx backed up by N2WS.	integer

Name	Description	Schema
<b>protected_instances_num</b> <i>optional</i>	Number of Instances backed up by N2WS.	integer
<b>protected_rds_clus_num</b> <i>optional</i>	Number of RDS Clusters backed up by N2WS.	integer
<b>protected_rds_db_num</b> <i>optional</i>	Number of RDS Databases backed up by N2WS.	integer
<b>protected_redshift_num</b> <i>optional</i>	Number of Redshift Clusters backed up by N2WS.	integer
<b>protected_sql_servers_num</b> <i>optional</i>		integer
<b>protected_virtual_machines_num</b> <i>optional</i>		integer
<b>protected_volumes_num</b> <i>optional</i>	Number of Volumes backed up by N2WS.	integer
<b>snapshots_ddb_num</b> <i>optional</i>	Number of Dynamo DB snapshots performed by N2WS.	integer
<b>snapshots_disk_num</b> <i>optional</i>		integer
<b>snapshots_dr_disk_num</b> <i>optional</i>		integer
<b>snapshots_dr_efs_num</b> <i>optional</i>	Number of DR EFS snapshots performed by N2WS.	integer
<b>snapshots_dr_rds_clus_num</b> <i>optional</i>	Number of DR RDS Cluster snapshots performed by N2WS.	integer
<b>snapshots_dr_rds_num</b> <i>optional</i>	Number of DR RDS snapshots performed by N2WS.	integer
<b>snapshots_dr_volume_num</b> <i>optional</i>	Number of DR volume snapshots performed by N2WS.	integer
<b>snapshots_efs_num</b> <i>optional</i>	Number of EFS snapshots performed by N2WS.	integer
<b>snapshots_fsx_num</b> <i>optional</i>	Number of FSx snapshots performed by N2WS.	integer
<b>snapshots_only_ami_num</b> <i>optional</i>	Number of instance Only AMI snapshots performed by N2WS.	integer
<b>snapshots_rds_clus_num</b> <i>optional</i>	Number of Rds Cluster snapshots performed by N2WS.	integer
<b>snapshots_rds_num</b> <i>optional</i>	Number of RDS snapshots performed by N2WS.	integer

Name	Description	Schema
<b>snapshots_redshift_num</b> <i>optional</i>	Number of Redshift snapshots performed by N2WS.	integer
<b>snapshots_sql_database_num</b> <i>optional</i>		integer
<b>snapshots_volume_num</b> <i>optional</i>	Number of volume snapshots performed by N2WS.	integer
<b>volumes_above_high_watermark_num</b> <i>optional</i>	Number of volumes above high watermark volume's storage.	integer
<b>volumes_below_low_watermark_num</b> <i>optional</i>	Number of volumes below low watermark volume's storage.	integer
<b>volumes_usage_percentage_num</b> <i>optional</i>	Number of volumes with usage percentage.	integer

### 40.2.3. Produces

- `application/json`

## 40.3. Download a zipped file containing the N2WS server log

```
GET /api/system/support_logs/
```

### 40.3.1. 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

### 40.3.2. Parameters

Type	Name	Description	Schema
Query	<b>check_aws_permissions</b> <i>optional</i>	Check AWS permissions for accounts filter.	string
Query	<b>check_azure_permissions</b> <i>optional</i>	Check Azure permissions for accounts filter.	string
Query	<b>collect_backup_logs_period</b> <i>optional</i>	Period for collecting backup logs (day, week or month) - default is week.	string
Query	<b>collect_system_logs</b> <i>optional</i>	Collect systems logs (e.g. Apache) filter.	string
Query	<b>collect_worker_logs</b> <i>optional</i>	Collect S3 worker logs filter.	string

### 40.3.3. Responses

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

### 40.3.4. Produces

- `application/x-bzip2`



## 40.4. List N2WS long-running async tasks

GET /api/system/tasks/

### 40.4.1. 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

### 40.4.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>type</b> <i>optional</i>	Task type.	string

### 40.4.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_system_tasks_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_system\_tasks\_list

Name	Description	Schema
<b>end_time</b> <i>optional</i>	Time the task ended.	string

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

#### 40.4.4. Produces

- `application/json`

## 40.5. Retrieve a N2WS long-running async task

```
GET /api/system/tasks/{id}/
```

### 40.5.1. 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

### 40.5.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 40.5.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_system_tasks_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_system\_tasks\_read

Name	Description	Schema
<b>end_time</b> <i>optional</i>	Time the task ended.	string
<b>global_session_id</b> <i>optional</i>	Global session ID.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer

Name	Description	Schema
<b>name</b> <i>optional</i>	Task name.	string
<b>process_record_id</b> <i>optional</i>	Process recode ID.	string
<b>result</b> <i>optional</i>	The result of the task operation.	object
<b>start_time</b> <i>optional</i>	Time the task started.	string
<b>status</b> <i>optional</i>	Task status.  <b>Allowed Enum Values</b> * W (Waiting) * P (In Progress) * R (Received Result) * D (Done) * T (Timed Out)	enum (W, P, R, D, T)
<b>type</b> <i>optional</i>	Task type.	string

#### 40.5.4. Produces

- `application/json`

## 40.6. Return N2WS supported time zones

```
GET /api/system/timezones/
```

### 40.6.1. Description

This endpoint returns N2WS supported time zones.

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

### 40.6.2. Parameters

Type	Name	Description	Schema
Query	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer

### 40.6.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_system_timezones_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_system\_timezones\_list

Name	Description	Schema
<b>display_name</b> <i>optional</i>	Display name of the resource.	string
<b>id</b> <i>optional</i>	Unique ID of the resource.	string

### 40.6.4. Produces

- `application/json`

## 40.7. Version information

```
GET /api/system/version/
```

### 40.7.1. Description

This endpoint returns version information.

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

### 40.7.2. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_system_version_list</a>
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_system\_version\_list

Name	Description	Schema
<b>api_version</b> <i>optional</i>	Version of RESTful API.	string
<b>cpm_version</b> <i>optional</i>	Version of N2WS server.	string

### 40.7.3. Produces

- `application/json`

# Chapter 41. Token

## 41.1. Generate Access & Refresh tokens

POST /api/token/obtain/api\_key/

### 41.1.1. 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

### 41.1.2. Parameters

Type	Name	Schema
Body	<b>data_token_obtain_api_key_create</b> <i>required</i>	<a href="#">data_token_obtain_api_key_create</a>

#### data\_token\_obtain\_api\_key\_create

Name	Description	Schema
<b>api_key</b> <i>required</i>	The API authentication key generated in the UI.	string

### 41.1.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_token_obtain_api_key_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content

#### response\_token\_obtain\_api\_key\_create

Name	Description	Schema
<b>access</b> <i>optional</i>	The short-lived access token.	string



Name	Description	Schema
<b>refresh</b> <i>optional</i>	The longer-lived refresh token.	string

#### 41.1.4. Consumes

- `application/json`

#### 41.1.5. Produces

- `application/json`

## 41.2. Refresh an Access token

POST /api/token/refresh/

### 41.2.1. 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

### 41.2.2. Parameters

Type	Name	Schema
Body	<b>data_token_refresh_create</b> <i>required</i>	<a href="#">data_token_refresh_create</a>

#### data\_token\_refresh\_create

Name	Description	Schema
<b>refresh</b> <i>required</i>	The longer-lived refresh token.	string

### 41.2.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_token_refresh_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content

#### response\_token\_refresh\_create

Name	Description	Schema
<b>access</b> <i>optional</i>	The short-lived access token.	string

### 41.2.4. Consumes

- **application/json**



### 41.2.5. Produces

- `application/json`



# Chapter 42. Users

## 42.1. Create a N2WS user

POST /api/users/

### 42.1.1. 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

### 42.1.2. Parameters

Type	Name	Schema
Body	<b>data_users_create</b> <i>required</i>	<a href="#">data_users_create</a>

#### data\_users\_create

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>password</b> <i>required</i>	Password to authenticate with.	string
<b>profile</b> <i>required</i>	User profile.	<a href="#">data_users_create_profile</a>
<b>username</b> <i>required</i>	Name can only contain alphanumeric characters, underscore and dash.	string

#### data\_users\_create\_profile

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	If set, the user has permission to observe costs of backup snapshots storage.	boolean
<b>allow_file_level_recovery</b> <i>optional</i>	If set, the user has permission for file level recovery operations.	boolean

Name	Description	Schema
<b>allow_volumes_occupied_percent</b> <i>optional</i>	If set, the user has permission to observe volumes occupied percent.	boolean
<b>applied_managed_users</b> <i>optional</i>	List of managed users assigned to this user.	< integer > array
<b>is_managed_user</b> <i>optional</i>	If set, the user is <b>managed</b> , otherwise <b>independent</b> .	boolean
<b>max_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use <b>max_aws_accounts</b> .	integer
<b>max_aws_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user.	integer
<b>max_azure_accounts</b> <i>optional</i>	Maximum number of allowed Azure accounts for the user.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Maximum number of allowed independent EBS (in GiB) for the user.	integer
<b>max_instances</b> <i>optional</i>	Maximum number of allowed instances for the user.	integer
<b>max_rds_gib</b> <i>optional</i>	Maximum number of allowed RDS (in GiB) for the user.	integer
<b>max_redshift_gib</b> <i>optional</i>	Maximum number of allowed Redshift (in GiB) for the user.	integer
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

### 42.1.3. Responses

HTTP Code	Description	Schema
201	Created	<a href="#">response_users_create</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content

#### response\_users\_create

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>num_accounts</b> <i>optional</i>	Number of associated accounts.	integer
<b>num_frozen_items</b> <i>optional</i>		integer
<b>num_policies</b> <i>optional</i>	Number of associated policies.	integer
<b>profile</b> <i>optional</i>	User profile.	<a href="#">response_users_create_profile</a>
<b>user_type</b> <i>optional</i>	Type of current user.	string
<b>username</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

#### response\_users\_create\_profile

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	If set, the user has permission to observe costs of backup snapshots storage.	boolean
<b>allow_file_level_recovery</b> <i>optional</i>	If set, the user has permission for file level recovery operations.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	If set, the user has permission to observe volumes occupied percent.	boolean
<b>applied_managed_users</b> <i>optional</i>	List of managed users assigned to this user.	< integer > array

Name	Description	Schema
<b>domain_name</b> <i>optional</i>	Domain name of the external identity provider.	string
<b>is_external_authentication</b> <i>optional</i>	If set, the user is authenticated by an external identity provider.	boolean
<b>is_managed_user</b> <i>optional</i>	If set, the user is <b>managed</b> , otherwise <b>independent</b> .	boolean
<b>max_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use <b>max_aws_accounts</b> .	integer
<b>max_aws_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user.	integer
<b>max_azure_accounts</b> <i>optional</i>	Maximum number of allowed Azure accounts for the user.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Maximum number of allowed independent EBS (in GiB) for the user.	integer
<b>max_instances</b> <i>optional</i>	Maximum number of allowed instances for the user.	integer
<b>max_rds_gib</b> <i>optional</i>	Maximum number of allowed RDS (in GiB) for the user.	integer
<b>max_redshift_gib</b> <i>optional</i>	Maximum number of allowed Redshift (in GiB) for the user.	integer
<b>password_creation_date</b> <i>optional</i>		string
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer





#### 42.1.4. Consumes

- `application/json`

#### 42.1.5. Produces

- `application/json`

## 42.2. List N2WS users

```
GET /api/users/
```

### 42.2.1. 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

### 42.2.2. Parameters

Type	Name	Description	Schema
Query	<b>ordering</b> <i>optional</i>	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	<b>page</b> <i>optional</i>	A page number within the paginated result set.	integer
Query	<b>page_size</b> <i>optional</i>	Number of results to return per page. Pagination is disabled if not specified or set to zero.	integer
Query	<b>search</b> <i>optional</i>	Search term to look for in the fields: * username	string

### 42.2.3. Responses

HTTP Code	Description	Schema
200	OK	< <a href="#">response_users_list</a> > array
401	Unauthorized	No Content
403	Forbidden	No Content

**response\_users\_list**

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>num_accounts</b> <i>optional</i>	Number of associated accounts.	integer
<b>num_frozen_items</b> <i>optional</i>		integer
<b>num_policies</b> <i>optional</i>	Number of associated policies.	integer
<b>profile</b> <i>optional</i>	User profile.	<a href="#">response_users_list_profile</a>
<b>user_type</b> <i>optional</i>	Type of current user.	string
<b>username</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

**response\_users\_list\_profile**

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	If set, the user has permission to observe costs of backup snapshots storage.	boolean
<b>allow_file_level_recovery</b> <i>optional</i>	If set, the user has permission for file level recovery operations.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	If set, the user has permission to observe volumes occupied percent.	boolean
<b>applied_managed_users</b> <i>optional</i>	List of managed users assigned to this user.	< integer > array
<b>domain_name</b> <i>optional</i>	Domain name of the external identity provider.	string

Name	Description	Schema
<b>is_external_authentication</b> <i>optional</i>	If set, the user is authenticated by an external identity provider.	boolean
<b>is_managed_user</b> <i>optional</i>	If set, the user is <b>managed</b> , otherwise <b>independent</b> .	boolean
<b>max_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use <code>max_aws_accounts</code> .	integer
<b>max_aws_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user.	integer
<b>max_azure_accounts</b> <i>optional</i>	Maximum number of allowed Azure accounts for the user.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Maximum number of allowed independent EBS (in GiB) for the user.	integer
<b>max_instances</b> <i>optional</i>	Maximum number of allowed instances for the user.	integer
<b>max_rds_gib</b> <i>optional</i>	Maximum number of allowed RDS (in GiB) for the user.	integer
<b>max_redshift_gib</b> <i>optional</i>	Maximum number of allowed Redshift (in GiB) for the user.	integer
<b>password_creation_date</b> <i>optional</i>		string
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer



#### 42.2.4. Produces

- `application/json`

## 42.3. Change a N2WS user password

POST /api/users/me/change\_password/

### 42.3.1. 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

### 42.3.2. Parameters

Type	Name	Schema
Body	<b>data_users_me_change_password</b> <i>required</i>	<a href="#">data_users_me_change_password</a>

#### data\_users\_me\_change\_password

Name	Description	Schema
<b>new_password</b> <i>required</i>	New password to set.	string
<b>old_password</b> <i>required</i>	Password to be replaced.	string

### 42.3.3. Responses

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



#### 42.3.4. Consumes

- `application/json`

## 42.4. Retrieve a N2WS user

```
GET /api/users/{id}/
```

### 42.4.1. 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

### 42.4.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 42.4.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_users_read</a>
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_users\_read

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>num_accounts</b> <i>optional</i>	Number of associated accounts.	integer



Name	Description	Schema
<b>num_frozen_items</b> <i>optional</i>		integer
<b>num_policies</b> <i>optional</i>	Number of associated policies.	integer
<b>profile</b> <i>optional</i>	User profile.	<a href="#">response_users_read_profile</a>
<b>user_type</b> <i>optional</i>	Type of current user.	string
<b>username</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

**response\_users\_read\_profile**

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	If set, the user has permission to observe costs of backup snapshots storage.	boolean
<b>allow_file_level_recovery</b> <i>optional</i>	If set, the user has permission for file level recovery operations.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	If set, the user has permission to observe volumes occupied percent.	boolean
<b>applied_managed_users</b> <i>optional</i>	List of managed users assigned to this user.	< integer > array
<b>domain_name</b> <i>optional</i>	Domain name of the external identity provider.	string
<b>is_external_authentication</b> <i>optional</i>	If set, the user is authenticated by an external identity provider.	boolean
<b>is_managed_user</b> <i>optional</i>	If set, the user is <b>managed</b> , otherwise <b>independent</b> .	boolean
<b>max_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use <code>max_aws_accounts</code> .	integer
<b>max_aws_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user.	integer
<b>max_azure_accounts</b> <i>optional</i>	Maximum number of allowed Azure accounts for the user.	integer
<b>max_azure_independent_disk_gb</b> <i>optional</i>		integer

Name	Description	Schema
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Maximum number of allowed independent EBS (in GiB) for the user.	integer
<b>max_instances</b> <i>optional</i>	Maximum number of allowed instances for the user.	integer
<b>max_rds_gib</b> <i>optional</i>	Maximum number of allowed RDS (in GiB) for the user.	integer
<b>max_redshift_gib</b> <i>optional</i>	Maximum number of allowed Redshift (in GiB) for the user.	integer
<b>password_creation_date</b> <i>optional</i>		string
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

#### 42.4.4. Produces

- `application/json`

## 42.5. Update a N2WS user

```
PUT /api/users/{id}/
```

### 42.5.1. 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**

### 42.5.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_users_update</b> <i>required</i>	<a href="#">data_users_update</a>

#### data\_users\_update

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>profile</b> <i>required</i>	User profile.	<a href="#">data_users_update_profile</a>

#### data\_users\_update\_profile

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	If set, the user has permission to observe costs of backup snapshots storage.	boolean
<b>allow_file_level_recovery</b> <i>optional</i>	If set, the user has permission for file level recovery operations.	boolean

Name	Description	Schema
<b>allow_volumes_occupied_percent</b> <i>optional</i>	If set, the user has permission to observe volumes occupied percent.	boolean
<b>applied_managed_users</b> <i>optional</i>	List of managed users assigned to this user.	< integer > array
<b>is_managed_user</b> <i>optional</i>	If set, the user is <b>managed</b> , otherwise <b>independent</b> .	boolean
<b>max_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use <b>max_aws_accounts</b> .	integer
<b>max_aws_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user.	integer
<b>max_azure_accounts</b> <i>optional</i>	Maximum number of allowed Azure accounts for the user.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Maximum number of allowed independent EBS (in GiB) for the user.	integer
<b>max_instances</b> <i>optional</i>	Maximum number of allowed instances for the user.	integer
<b>max_rds_gib</b> <i>optional</i>	Maximum number of allowed RDS (in GiB) for the user.	integer
<b>max_redshift_gib</b> <i>optional</i>	Maximum number of allowed Redshift (in GiB) for the user.	integer
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer
<b>vol_storage_low_watermark</b> <i>optional</i>		integer

### 42.5.3. Responses

HTTP Code	Description	Schema
200	OK	<a href="#">response_users_update</a>
400	Bad Request	No Content
401	Unauthorized	No Content
403	Forbidden	No Content
404	Not Found	No Content

#### response\_users\_update

Name	Description	Schema
<b>email</b> <i>optional</i>	Email address.	string
<b>id</b> <i>optional</i>	Unique ID of the resource in N2WS.	integer
<b>num_accounts</b> <i>optional</i>	Number of associated accounts.	integer
<b>num_frozen_items</b> <i>optional</i>		integer
<b>num_policies</b> <i>optional</i>	Number of associated policies.	integer
<b>profile</b> <i>optional</i>	User profile.	<a href="#">response_users_update_profile</a>
<b>user_type</b> <i>optional</i>	Type of current user.	string
<b>username</b> <i>optional</i>	Name can only contain alphanumeric characters, underscore and dash.	string

#### response\_users\_update\_profile

Name	Description	Schema
<b>allow_cost_explorer</b> <i>optional</i>	If set, the user has permission to observe costs of backup snapshots storage.	boolean
<b>allow_file_level_recovery</b> <i>optional</i>	If set, the user has permission for file level recovery operations.	boolean
<b>allow_volumes_occupied_percent</b> <i>optional</i>	If set, the user has permission to observe volumes occupied percent.	boolean

Name	Description	Schema
<b>applied_managed_users</b> <i>optional</i>	List of managed users assigned to this user.	< integer > array
<b>domain_name</b> <i>optional</i>	Domain name of the external identity provider.	string
<b>is_external_authentication</b> <i>optional</i>	If set, the user is authenticated by an external identity provider.	boolean
<b>is_managed_user</b> <i>optional</i>	If set, the user is <b>managed</b> , otherwise <b>independent</b> .	boolean
<b>max_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user. This field is deprecated, please use max_aws_accounts.	integer
<b>max_aws_accounts</b> <i>optional</i>	Maximum number of allowed AWS accounts for the user.	integer
<b>max_azure_accounts</b> <i>optional</i>	Maximum number of allowed Azure accounts for the user.	integer
<b>max_azure_independent_disk_gib</b> <i>optional</i>		integer
<b>max_azure_sql_database_gib</b> <i>optional</i>		integer
<b>max_azure_vms</b> <i>optional</i>		integer
<b>max_controlled_entities</b> <i>optional</i>		integer
<b>max_dynamodb_gib</b> <i>optional</i>	Maximum number of allowed DynamoDB (in GiB) for the user.	integer
<b>max_independent_ebs_gib</b> <i>optional</i>	Maximum number of allowed independent EBS (in GiB) for the user.	integer
<b>max_instances</b> <i>optional</i>	Maximum number of allowed instances for the user.	integer
<b>max_rds_gib</b> <i>optional</i>	Maximum number of allowed RDS (in GiB) for the user.	integer
<b>max_redshift_gib</b> <i>optional</i>	Maximum number of allowed Redshift (in GiB) for the user.	integer
<b>password_creation_date</b> <i>optional</i>		string
<b>vol_storage_alert_watermark</b> <i>optional</i>		boolean
<b>vol_storage_high_watermark</b> <i>optional</i>		integer

Name	Description	Schema
<code>vol_storage_low_watermark</code> <i>optional</i>		integer

#### 42.5.4. Consumes

- `application/json`

#### 42.5.5. Produces

- `application/json`

## 42.6. Delete a N2WS user

```
DELETE /api/users/{id}/
```

### 42.6.1. 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

### 42.6.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string

### 42.6.3. 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



## 42.7. Reset a N2WS user password

```
POST /api/users/{id}/reset_password/
```

### 42.7.1. 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

### 42.7.2. Parameters

Type	Name	Schema
Path	<b>id</b> <i>required</i>	string
Body	<b>data_users_reset_password</b> <i>required</i>	<a href="#">data_users_reset_password</a>

#### data\_users\_reset\_password

Name	Description	Schema
<b>new_password</b> <i>required</i>	New password to set.	string

### 42.7.3. Responses

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



#### 42.7.4. Consumes

- `application/json`