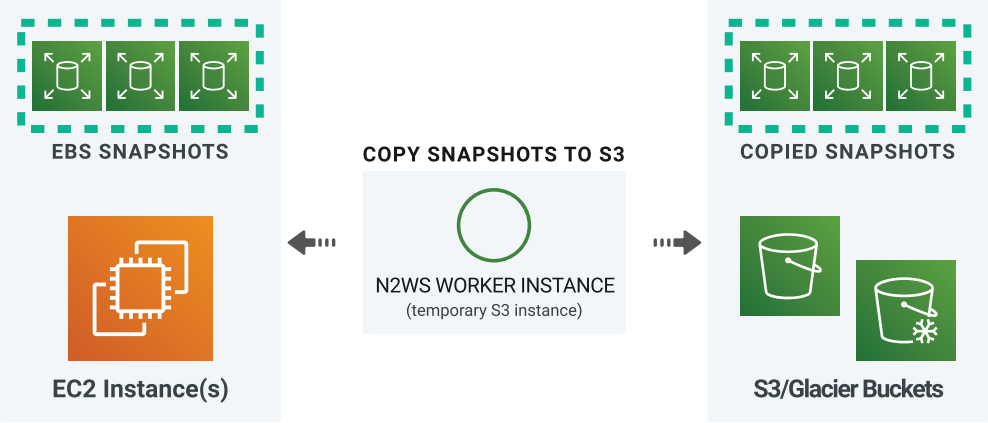
Optimize long-term AWS storage costs

Quick Guide

Archive data to Amazon S3 and Amazon Glacier/Deep Archive for secure long-term retention and big cost savings.

How does it work?

When N2WS copies snapshots to Amazon S3, it launches a temporary S3 worker instance to transform snapshots into objects and write those objects into a S3 bucket. As soon as the tasks are completed, the worker instances are terminated. N2WS backs up and archives snapshots to S3 buckets by doing a compression of the snapshot before storing it in a pre-configured repository on Amazon S3. EBS snapshots stored in Amazon S3 are block-level incremental.



Where cost savings come from:

The longer the storage terms, the more you save!
S3 storage costs significantly less than EBS (saving about 56%). And Glacier is even less. PLUS, through compression as the snapshot is transferred, you'll save an additional 30-40% on long-term storage costs.

Using Standard EBS Snapshots	
EBS daily snap retained for **1 month** PLUS **EBS monthly** snap retained for **2 years**	
Using N2WS to Archive Snapshots	**Cost Savings**
EBS daily snap retained for **1 month** PLUS **EBS monthly** snap retained for **2 years in S3 storage**	**60+%**
EBS daily snap retained for **1 month** PLUS **Monthly** retained for **2 years in Glacier/Deep Archive**	**75-80%**

NOTE: For long-term retention backups copied to S3, N2WS allows a "Zero EBS Snapshot" option to save on costs even more.

Best practices for saving additional time + money on AWS:

- ✓ Define policies + schedules that suit your operational workflows and SLAs
- ✓ Save time by backing up VPC settings that can be restored in one click
- ✓ Switch off non-critical instances when they're not in use and save even more
- ✓ Choose a storage tier that matches your RTO. *(Check out our Storage Tier guide)*

With N2WS Backup & Recovery, you can significantly lower your AWS storage costs by moving EBS snapshots to Amazon S3 or Amazon Glacier/Deep Archive for long term storage. Already a customer? Speak to your Account Manager to upgrade your license. Not a customer? **Start a free 30-day trial »** https://n2ws.com/trial

How to create an S3 Repository

There can be multiple repositories in a single AWS S3 bucket.

- ✓ First, in N2WS, click the "S3 Repositories" button.
- ✓ Next, click "Create New S3 Repository".
- ✓ In the "Create S3 Repository" screen, complete the information following the table below.
- ✓ Then, click "Create" and you're set!

When NOT to copy backup snapshots to S3:

- ✗ S3 backup increments **more frequent than 1 week** (weekly at minimum!)
- ✗ S3 retention periods **shorter than 3 months** (3-month minimum!)
- ✗ Data that needs **immediate availability** (S3 has longer RTO than EBS)

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In the "Create S3 Repository" screen, complete the following information:

Field	Description
Repository Name	Type the name of the new repository folder in the AWS S3 bucket —this must be unique to the bucket. (Note: Only alphanumeric characters and the underscore are allowed.)
Description	*(optional)* Add a brief description of the repository contents.
Account	Select the account that has access to the S3 bucket.
AWS Region	Select the region in which the S3 bucket is located.
AWS Bucket Name	Type the name of the S3 bucket that exists in this region. (Note: AWS encryption must have been enabled for the bucket.)