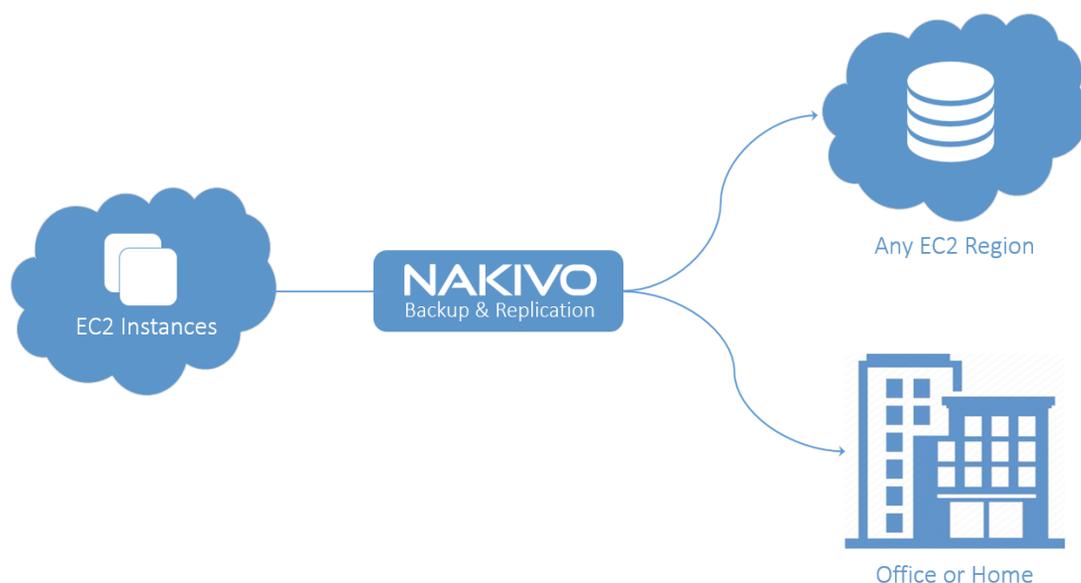


NAKIVO Backup & Replication for Amazon EC2

NAKIVO Backup & Replication is a fast, reliable, and affordable solution for AWS EC2 backup, replication, and recovery



Highlights

- **Install anywhere:** Deploy the product in any AWS region, your office, or at home in under 5 minutes
- **Backup anywhere:** Perform Amazon EC2 instance backup to the same region, a different region, to your office, or home
- **Recover from anywhere:** Access NAKIVO Backup & Replication Web interface from anywhere

Amazon EC2 Backup

With NAKIVO Backup & Replication, you can easily perform AWS EC2 backup on schedule or ad hoc. All backups are forever incremental and transfer only changed data to a backup repository. You can keep your backups anywhere: the backup repository can be located in the same Amazon EC2 region, in a different region, or even at your office or home. For each backup, you can save up to 1,000 recovery points and – using the GFS backup rotation scheme - rotate them on a daily, weekly, monthly, and yearly basis.

Backup Copy

Even in the cloud, your backups can be damaged, accidentally deleted, or become unavailable. Backup Copy jobs provide a simple yet powerful way to create and maintain copies of your backups. You can schedule backup copy jobs, send copies to different regions, accounts, or to your office or home, copy entire backup repository or only selected backups, set a different backup retention policy for your backup copies – however your business needs suggest.

Key features

- Native AWS EC2 backup
- Cross region and cross account backup
- Backup from cloud to your office or home
- Global data deduplication and compression
- Backup copy to secondary backup repositories
- Instant file recovery directly from deduplicated AWS EC2 backups
- Instant recovery of Microsoft Exchange objects directly from deduplicated AWS EC2 backups
- Instant recovery of Microsoft Active Directory objects directly from deduplicated AWS EC2 backups
- Native replication of AWS EC2 instances
- Network acceleration
- Simple and intuitive Web UI
- Multi-tenancy and self-service

Global Data Deduplication and Compression

NAKIVO Backup & Replication automatically deduplicates backed up data across entire backup repository. On top of that, deduplicated blocks are compressed to ensure that the least amount of space is used by the backup repository.

Amazon EC2 Replication

AWS EC2 instance replication creates and maintains identical copies of your Amazon instances (aka replicas). For each instance replica, you can save up to 30 recovery points. In case source instances are lost or damaged, you can instantly recover by powering on instance replicas.

Automated AWS EC2 Instance Protection

You can ensure that your AWS EC2 instances are always backed up and replicated by protecting an entire Amazon EC2 region or account. This way all new AWS EC2 instances that are created in or moved to the region or account are automatically added to your backup and replication jobs and stay protected.

Instant File Recovery

With NAKIVO Backup & Replication, you can instantly recover files directly from compressed and deduplicated AWS EC2 backups. You can easily browse, search, forward, and download files and folders right within the product Web interface, without recovering the full AWS EC2 instance first. This feature is agentless and works right out of the box for both Windows-based and Linux-based instances.

Instant Application Objects Recovery

NAKIVO Backup & Replication enables browsing, searching, and recovering Microsoft Exchange and Microsoft Active Directory objects directly from compressed and deduplicated AWS EC2 backups, without restoring an entire instance first. This feature is agentless, works right out of the box, and does not require creating a special lab or running a special backup type.

AWS EC2 Instance Recovery from Backup

If a backed up AWS EC2 instance is accidentally damaged or deleted, you can recover the instance from its backup in just a few clicks, regardless of where your backup repository is located. The instance will be recovered in exactly the same state as it was during the backup and will appear in the region that you select for recovery.

Disaster Recovery with AWS EC2 Instance Replicas

Because replication creates identical copies of source EC2 instances, recovering from a disaster is as simple as powering on the replicated instances. If a source instance has been damaged and then replicated, you can roll it back to a previous recovery point.

Key benefits

- **Save time** with high performance AWS EC2 data protection technology that is easy to use
- **Reduce costs** with global deduplication and compression of backups for less storage
- **Manage more** groups or departments in less time with multi-tenancy
- **Recover faster** with instant file and object recovery from backups
- **Save money** with minimal AWS EC2 resources required and/or use existing on site infrastructure for backups
- **Improve uptime** with RTO and RPO of just 5 minutes in some cases
- **Drive additional revenue** as a CSP with Backup-as-a-Service

Network Acceleration

NAKIVO Backup & Replication can use compression and traffic reduction techniques to speed up data transfer. On average, this results in a network load reduction of 50% and a data transfer acceleration of 2X.

Multi-Threading

Multi-Threading enables NAKIVO Backup & Replication to run dozens of backup, replication, and recovery jobs simultaneously, which speeds up data processing and shortens the time windows allocated to data protection.

Intuitive Web UI

The simple and intuitive Web interface enables managing all aspects of data protection at any time and from anywhere, on a tablet. This saves hours of time spent on backup administration.

Call Home

NAKIVO Backup & Replication can automatically create, encrypt, and upload support bundles to a NAKIVO support server. This helps NAKIVO team to quickly identify and resolve support issues.

Enterprise Scalability

NAKIVO Backup & Replication is a modular solution that can be fully installed on a single machine to protect small and mid-sized environments, or can be installed on distributed systems to protect enterprise environments with 10,000+ AWS EC2 instances.

HTTP APIs for Automation

HTTP APIs enable you to automate and orchestrate instance backup, replication, and recovery. APIs have been designed so that even non-developers can easily use them to integrate NAKIVO Backup & Replication with monitoring, automation, and orchestration solutions for reducing time spent on data protection management and decreasing data protection costs.

Multi-Tenancy and Self-Service

Multi-tenancy enables creating multiple isolated groups, departments or tenants within a single product deployment and manage them from a single pane of glass. This way you can introduce backup-as-a-service to your clients more easily and cost-effectively. In the Multi-Tenant mode, tenants can access the self-service portal to offload backup, replication, and recovery tasks from the service provider.

System Requirements

NAKIVO Backup & Replication requires 2 CPU cores and 4 GB RAM (except for when installed on supported NAS models). The product can be deployed as a pre-configured Amazon Machine Image (AMI) or VMware Virtual Appliance (VA). Additionally, the product can be installed on Windows, Linux, and supported NAS models:

Operating systems:

- Ubuntu 12.04 Server (x64)
- Red Hat Enterprise Linux 6.3 (x64)
- SUSE Linux Enterprise 11 SP2 (x64)
- Windows Server 2012 R2 Standard
- Windows Server 2012 Standard
- Windows Server 2008 R2 Standard
- Windows 10 Professional (x64)
- Windows 8 Professional (x64)
- Windows 7 Professional (x64)

Synology:

- RS18016xs+
- RS3614xs+
- RC18015xs+
- RS3614xs
- RS3614RPxs
- DS3615xs
- RS2416+
- RS2416RP+
- RS815+
- RS815RP+
- DS2415+
- DS1815+
- DS1515+
- DS415+
- RS2414+
- RS2414RP+
- DS2413+
- DS1813+
- DS1513+
- DS713+

Western Digital:

- My Cloud DL2100
- My Cloud DL4100

About NAKIVO

Headquartered in Silicon Valley, NAKIVO Inc. is a privately-held company founded in 2012. NAKIVO develops a fast, reliable, and affordable data protection solution for VMware and Amazon Cloud environments. As of Q2 2016, over 14,000 companies are using NAKIVO Backup & Replication to protect and recover their data more efficiently and cost effectively. In addition, over 120 hosting, managed, and cloud services providers are using NAKIVO to deliver VM BaaS, and DRaaS to their customers. NAKIVO also has over 1,200 channel partners in 115 countries worldwide.

Learn more at www.nakivo.com

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