

NAKIVO Backup for Virtualization Platforms

Protecting virtual setups, whether they are VMware vSphere, Microsoft Hyper-V or Nutanix AHV, requires more than just backup and restore. While some virtualization vendors provide data protection capabilities, they frequently fall short, even within their own platforms.

Purpose-built for virtual environments, NAKIVO Backup & Replication is a fast, affordable, top-rated VM backup solution for multiple virtualization environments (e.g., VMware vSphere, VMware Cloud Director, Microsoft Hyper-V, and Nutanix AHV).






BENEFITS

2X FASTER
installed on NAS

49% LOWER COST
than other vendors

9+
recovery options including
instant VM restore

3 OPTIONS
For ransomware-
proof backups

4.8
star ratings for saving
time and money

5 MINUTES
to deploy and configure

Data Protection — Tailored For Your Virtual Landscape

One solution, one interface

Full range of features for virtual, cloud, physical, SaaS and hybrid environments – all from a centralized web interface.

Quick deployment, effortless scalability

Install on NAS, Windows, Linux or as a pre-configured VMware vSphere or Nutanix AHV VA and run your first VM backup in minutes.

Lightweight solution with a small footprint

The solution only requires 2 cores and 4 GB of RAM for full deployment and to start running backups.

Low TCO – High flexibility

Pay for only what you need with perpetual and per-workload licensing options that fit your organization's needs and budget. Choose from five software editions to tailor the solution to your use cases, and save up to 50% on the same or better functionality compared to other vendors.

Agile VM backup

Image-based, incremental, app-aware backups of VMware vSphere, Microsoft Hyper-V and Nutanix AHV VMs.

Recovery for every scenario

- Instant recovery of objects
- Instant recovery of files
- Instant VM recovery
- Full VM recovery
- Physical-to-virtual
- Virtual-to-virtual
- Direct VM recovery from tape
- Failover/failback of VMs and cloud instances
- And more...

Direct backup to cloud

Send backups directly to cloud platforms like Amazon S3, Wasabi, Azure Blob and Backblaze B2 and other S3-compatible platforms. Create backup copies in the cloud and automate the process with Job Chaining.

Powerful cybersecurity features

Immutable storage in local repositories, public clouds and other S3-compatible storage. Use Backup Malware Scan to verify that data is clean before recovery.

Advanced Security Controls

Encrypt backup data in transit and at rest using AES-256 encryption. Limit access to your data protection infrastructure with role-based access controls and ensure security with two-factor authentication (2FA).

Enterprise storage integration for greater efficiency

Advanced integrations with deduplication appliances and other enterprise storage devices from leading vendors for backups and replicas directly from storage snapshots.

Simple Administration

The web-based interface allows you to manage your data protection activities from anywhere. Use the automation options like policy rules and job chaining to simplify workflows.

24/7 support

Outstanding technical round-the-clock support by phone, email and in-product chat. Free deployment and demo sessions to help you get started quickly.

#1 VM Backup Solution from NAKIVO – Key Features

Incremental backups

Utilize native change tracking technologies in VMware vSphere, Microsoft Hyper-V and Nutanix AHV. Only changed data since the previous backup is transferred for faster backups and storage space savings.

Agentless backup

Perform hassle-free backup for single or multiple virtual machines without additional software inside the VM guest OS.

Application-aware backups

Ensure that data in file servers and Microsoft applications, like Active Directory, Exchange Server and SQL Server as well as Oracle Database remains consistent and ready for recovery.

Image-based backup

Create a point-in-time copy of a VM, including its OS, system state and application configurations, and save it as a single file or image.

VMware Cloud Director backup

Backup and recover vApps, individual VMs, storage policies, and their metadata within the VMware Cloud Director hierarchy.

Backup from storage snapshots

Back up VMware vSphere VMs hosted on HPE 3PAR, Nimble Storage and other HPE devices directly from storage snapshots.

Anti-ransomware capabilities

Protect backup data with immutable storage options in local Linux-based repositories, public clouds (Amazon S3, Wasabi, Backblaze B2, Microsoft Azure), and S3-compatible storage. Scan backups for strains of malware or ransomware infections before recovery.

Instant granular recovery

Instantly restore individual files and application objects (for Microsoft Exchange, Active Directory, or SQL Server) to the original or custom locations.

Full VM recovery

Instantly boot Hyper-V VMs from backups or opt for complete recovery, restoring VMs to the same or different host machines, along with configurations and virtual disk data intact.

Advanced backup tiering

Store backups on-premises, in public clouds, S3-compatible storage, or tape to eliminate a single point of failure.

Flexible retention settings

Easily roll back to a specific point in time with up to 10,000 recovery points per VM. Set expiration dates or retain data as long as needed using the GFS rotation scheme.

Backup verification

Instantly verify the validity of VMware vSphere and Microsoft Hyper-V VM backups via reports with screenshots of test-recovered machines.

Recognized by customers across industries



2022 Gartner® Magic Quadrant™

Honorable Mention in Enterprise Backup and Recovery Solutions Category

“NAKIVO saved us a significant amount of time and money. The solution is 4X faster, works without errors, and took just 15 minutes to set up and deploy. NAKIVO Backup & Replication provides ease of use and peace of mind for our business.”

Cameron Rezvani, Senior Systems Engineer, Orange Coast Title Company

“During the trial period, one of our Hyper-V VMs failed and with NAKIVO Backup & Replication, we successfully recovered that Hyper-V VM and put it on the same host in under 5 minutes.”

Steven Schmidt, System Administrator at One World Direct

“Installing and configuring NAKIVO Backup & Replication could not have been easier. As soon as the virtual machine was added into our Nutanix environment, everything from that point was configured from the web interface.”

Brett MacLarty, IT Manager at Lakes Grammar

Network optimization

Enhance backup speeds and save bandwidth with Network Acceleration, LAN-Free Data Transfer, and Bandwidth Throttling.

Streamlined administration

Schedule VM backups using the Calendar dashboard and apply policies based on VM properties for easy administration.

Do more with NAKIVO Backup & Replication

AVAILABILITY

Disaster recovery

- **Real-time Replication^{BETA} for VMware** – Maintain an identical copy of your source VMware vSphere VMs at a secondary site.
- **Replication** – Maintain an identical copy of your source VMware and Hyper-V VMs at a secondary site.
- **Replication from backup** – Run replications directly from VMware and Hyper-V backups to optimize resource consumption.
- **Replica Verification** – Instantly verify the integrity of VM replicas and get a report with screenshots of the test-recovered VMs.
- **Automated VM Failover** – Resume your critical workloads within minutes by failing over to a VM replica with one click.
- **Site Recovery** – Create flexible disaster recovery sequences for any scenario, including planned/emergency failover, failback and non-disruptive recovery testing.

BAAS & DRAAS

MSP-ready

- **Dedicated MSP Console:** Protect and manage up to 100 isolated tenants from a single web interface.
- **Granular resource management:** Allocate resources such as hosts, clusters and VMs to individual tenants based on their needs.
- **Self-service portal:** Save time by offloading data protection tasks such as backup and recovery to your tenants.

ANALYTICS

VM Monitoring for VMware

Gain insight into the performance and health of your VMware vSphere environment from the same interface you use for your data protection activities. Monitor CPU, RAM, and disk usage of hosts, VMs, and vSphere datastores. Use real-time and historical data to avoid performance bottlenecks, address potential issues and ensure uninterrupted workflow of VMware vSphere infrastructure.

Requirements

Supported platforms

VMware vSphere 5.5 – 8.0 U2
Cloud Director 10.2.1 – 10.3.3.2
Microsoft Hyper-V Server 2012 – 2022
Nutanix AHV v5.15 – v6.5 (LTS)

Full solution deployment requirements

On VM or physical machine

CPU: x86-64, 2 cores
RAM: 4 GB
Free space: 10 GB

On NAS

CPU: x86-64, 2 cores
RAM: 1 GB
Free space: 10 GB

Storage integration

Deduplication appliances

HPE StoreOnce (Catalyst)
Dell EMC Data Domain (DD Boost)
NEC HYDRAsTOR

Storage snapshot integration

HPE 3 PAR 3.1.2 and higher
HPE Nimble Storage 5.2 and higher

Ready to get started?

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