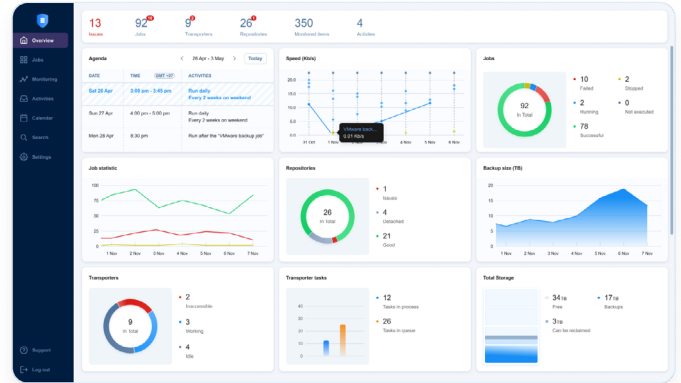


NAKIVO Backup & Replication v10.10.1

A fast, affordable and top-rated solution that delivers backup, replication, instant restore, disaster recovery, and infrastructure monitoring all from a single pane of glass. Designed to help SMBs, enterprises and managed service providers (MSPs) overcome data protection threats and challenges, the solution seamlessly integrates with today's virtualization and storage technologies.



Benefits

2x

faster with incremental change tracking

49%

lower TCO than other vendors

4.8 stars

average rating for saving time and money

5 minutes

for solution deployment and setup

2 cores, 4 GB

to deploy and run your first job

Save time on data protection. Get better uptime and availability.

Everything you need in 1 solution

Use a single solution for backup, disaster recovery and monitoring. Support for virtual, cloud, physical and SaaS platforms. VMware VMs to a Hyper-V environment and vice versa.

Deploy where you need in minutes

Install the solution on an existing NAS device for a complete backup appliance or choose to deploy on Windows/Linux or as a VMware/Nutanix VA or AMI.

Reliable uptime, short RTOs

9+ recovery options to ensure operational resilience in any scenario: instant VM boot, instant P2V, instant object recovery, bare metal recovery, recovery across virtual platforms, instant failover to replica and much more.

Light on resources with a small footprint

Get started with the solution with just 2 CPU cores and 4 GB of RAM to run your first backup job. One of the lightest solutions on the market!

Cyber resilience

Advanced immutability in multiple storage targets and ability to scan backups before recovering data.

Scalable and flexible

Single and multi-tenant deployment models depending on your infrastructure and the requirements of ROBO and edge environments. With one instance of the solution, some of our biggest customers protect 8,000+ VMs across 300+ locations.

Simple administration

Protect everything from a single web interface with multiple automation and integration options to streamline data protection workflows.

MSP-Ready

Designed with MSPs in mind to help deliver reliable and profitable BaaS, DRaaS and other data protection activities from a friendly web MSP Console.

24/7 support

Our highly-rated technical support team is available around the clock to ensure that you get the most out of our solution.

Fast and Efficient Backup

- **VM Backup:** Image-based, agentless backup for VMware vSphere, Microsoft Hyper-V, and Nutanix AHV VMs.
- **Microsoft 365 Backup:** Incremental backup for Exchange Online, Microsoft Teams, OneDrive for Business and SharePoint Online data.

- **File Share Backup:** Backup for network shares over SMB/NFS hosted on NAS devices as well as Windows and Linux machines
- **Physical Machine Backup:** Image-based, incremental backup for Windows- and Linux-based servers and workstations.
- **Amazon EC2 Backup:** Image-based, incremental backup for Amazon EC2 instances.
- **Application Support:** Application-aware consistent backup for applications and databases, such as Microsoft SQL Server, Exchange Online Server, and Active Directory.
- **Oracle Database Backup:** Backups for Oracle databases via RMAN.
- **VMware Cloud Director Backup:** Backup for Cloud Director objects, such as vApps, individual VMs and storage policies.
- **Backup to Cloud:** Direct backup to public clouds like Amazon S3, Wasabi, Backblaze B2 and Azure Blob Storage.
- **Backup to S3-Compatible Storage:** Back up to object storage platforms that use the S3 API.
- **Backup to Tape:** Send backup copies to physical tape libraries and AWS VTL; easily manage tape devices, cartridges, and backups.
- **Global Deduplication** across the entire backup repository, regardless of the platform.
- **Instant Backup Verification** of VMware vSphere and Microsoft Hyper-V VM backups via reports with screenshots of test-recovered machines.
- **Backup from Storage Snapshots:** Backups for VMware VMs hosted on HPE 3PAR, Nimble Storage and other HPE devices directly from storage snapshots.
- **Deduplication Appliance Integration:** Back up to devices deduplication appliances such as HPE StoreOnce, Dell EMC Data Domain, and NEC HYDRAsstor with support for native deduplication protocols.

Instant Recovery for Operational Efficiency

Instant VM Recovery: Boot VMware vSphere and Microsoft Hyper-V VMs directly from backups; migrate booted VMs to production if needed.

Microsoft 365 Recovery: Instantly recover Exchange Online, OneDrive for Business, SharePoint Online, and Microsoft Teams items to the original or a different account.

Bare Metal Recovery: Restore entire physical machines from backups to the same or other identical hardware without having to reinstall the OS or reconfigure the settings.

Instant Physical to Virtual (P2V): Instantly recover physical machines from backups as VMware vSphere VMs.

File Share Recovery: Recover entire SMB/NFS file shares and specific files/folders to a custom location, send via email, or download to a browser.

Direct Recovery from Tape: Restore full VMs, instances and physical machines as VMs directly from backups stored on tape media without a staging repository.

Instant Object Recovery: Instantly recover Microsoft Exchange Server, Active Directory and SQL Server objects to the original location or to a custom location (local folder or SMB share).

Universal Object Recovery: Recover individual objects by choosing a recovery point and mounting VM disks from the backup directly to another machine.

Cross-Platform Recovery: Export VM disks across platforms to recover VMware VMs to a Hyper-V environment and vice versa and recover physical machines as virtual machines.

Recognized by customers across industries

75% lower backup costs

We save more than 50% on VMware backup and additionally, 25% in storage space costs with better deduplication, lowering our backup expenses by 75% overall.

Rick Braddy, CEO/CTO at SoftNAS

7X faster backups

The solution is faster than other products I have used and supports many different configurations.

Praful Soni,
Senior IT Manager at Transpek

99% faster recovery

With granular recovery, we can restore files in just a few minutes, while previously it would have taken us hours to restore the entire VM that held it.

Krister Laag, CIO at Stendahls

Gartner Peer Insights™

NAKIVO Earns Recognition in Gartner® Peer Insights™ Voice of the Customer Report for Enterprise Backup and Recovery Solutions

4.8



Overall rating

92%

Willingness to recommend

Ransomware Protection for Cyber Resilience

Air-Gapped Backups: Keep backups and backup copies offline (tape, detachable NAS, USB drives, etc.) for ultimate ransomware protection.

Backups in the Cloud: Make backups stored in public clouds (Amazon S3, Azure Blob, Backblaze B2, Wasabi) and other S3-compatible storage platforms immutable to protect them from ransomware and accidental changes.

Local Ransomware-Proof Repository: Enable immutability for backups and backup copies sent to Linux-based local repositories.

Backup Malware Scan: Scan backup data for signs of malware or ransomware infection and ensure it can be safely used for recovery.

Disaster Recovery for the Shortest RTOs and RPOs

Real-Time Replication^{BETA} for VMware : Update VMware VM replicas continuously as changes are being made to the source VM with RPOs as low as 1 second.

VM Replication: Create and maintain VMware vSphere replicas and Microsoft Hyper-V VM replicas, which are identical copies of source VMs.

EC2 Instance Replication: Create and maintain Amazon EC2 instance replicas, which are identical copies of your source instances.

Replication from Backup: Create VM and instance replicas directly from backups to reduce the load on the source host, free up valuable resources, and save time.

Site Recovery: Disaster recovery orchestration of automated workflows. Perform scheduled non-disruptive recovery testing, planned failover, emergency failover, failback, and datacenter migration with one click.

Replica Verification: Instantly verify VMware vSphere and Microsoft Hyper-V VM replicas; get a report with screenshots of test-recovered machines.

Application Support: Application-aware replication for replica data consistency in applications and databases, such as Microsoft Exchange Server, Active Directory, and SQL Server.

Monitoring for VMware

Monitor CPU, RAM, and disk usage of VMware vSphere hosts and VMs, as well as disk usage of VMware vSphere datastores for real-time and historical data.

MSP-Friendly BaaS and DRaaS

The MSP Console in NAKIVO Backup & Replication allows managed service providers (MSPs) to deliver backup as a service (BaaS), disaster recovery as a service (DRaaS), and other data protection services.

- **MSP Console:** Deliver full BaaS/DRaaS services to clients or manage client environments with standalone instances of NAKIVO Backup & Replication from the advanced MSP dashboard.
- **Multi-Tenancy:** Create up to 1,000 isolated tenants within one product instance and manage them from a single pane of glass.
- **Self-Service:** Offload data protection and recovery tasks to tenants via the self-service portal.
- **Tenant Resource Allocation:** Allocate data protection infrastructure resources (hosts, clusters, individual VMs, Backup Repositories) to tenants.
- **Direct Connect:** Access tenant environments via a single port connection without requiring a VPN connection.

Top Brands Trust NAKIVO











Performance

Boost backup, replication, and recovery speeds by up to 2 times and reduce network load by as much as 50%.

- **Native Change Tracking:** Native change tracking technologies (VMware CBT, Hyper-V RCT, Nutanix AHV CRT, Microsoft 365 delta query) to identify changes without reading the full source data and create faster incremental backups.
- **LAN-Free Data Transfer:** HotAdd or Direct SAN Access modes to increase data transfer speeds and offload production networks.
- **Network Acceleration:** Increase performance in busy LAN and WAN environments with built-in network acceleration.
- **Bandwidth Throttling:** Limit the speed of backup data transfers by configuring global or per-job bandwidth rules, especially during working hours.

Administration

NAKIVO Backup & Replication provides a simple web interface and comes with great features to help you save time and resources on data protection activities.

- **Versatile Deployment:** Deploy as a virtual appliance/AMI, install on Linux or Windows OS, or on a NAS to create an all-in-one backup appliance.
- **Policy-Based Protection:** Automatically back up and replicate machines that match policy rules based on specified parameters (machine name, size, location, tag, etc.).
- **Calendar Dashboard:** View all past, current, and future jobs in a simple calendar view.
- **Overview Dashboard:** Get a status summary of all your data protection activities, solution components, and issues to address in simple widgets.
- **Role-Based Access Control:** Assign preset and custom roles and associated rights and permissions to users to apply the principle of least privilege.
- **Two-Factor Authentication:** Enable two-factor authentication (2FA) for NAKIVO Backup & Replication to prevent hackers from accessing your data protection activities.
- **Microsoft Active Directory Integration:** Integrate with Microsoft Active Directory and map user groups to NAKIVO Backup & Replication user roles.
- **Global Search:** Instantly find VMs, backups, replicas, jobs, repositories, Transporters, and other objects; act on search results.
- **Job Chaining:** Link jobs so they run one after another. For example, a successful VM backup job to a local storage destination can start a Backup Copy job to copy the newly created backups to a public cloud.
- **API:** Integrate NAKIVO Backup & Replication with monitoring, automation, and orchestration solutions via HTTP API.
- **Self-Backup:** Back up and recover system configuration (jobs, inventory, logs, settings, etc.).
- **Live Chat with Tech Support:** Get help without leaving the solution web interface.

Top Rated Solution on Biggest Review Platforms



Licensing and Pricing

- **Perpetual and subscription licenses**
- **5 editions to meet all needs and budgets**
- **24/7 technical support**

Ready to get started?

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System Requirements

Supported Environments

NAKIVO Backup & Replication can protect the following platforms:

Virtual

- VMware vSphere 5.5–8.0 U2 NEW
- Microsoft Hyper-V 2012–2022
- Nutanix AHV 5.15, 5.20, v6.5
- VMware Cloud Director 10.2.1–10.3.3.2

Microsoft 365

- Exchange Online, SharePoint Online, OneDrive for Business, Microsoft Teams

Physical

- Windows Server 2012–2022 (21H2) (x64)
- Windows 10 Home/Pro/Ent (20H2/20H1/21H2) (x64)
- Windows 11 (21H2) (x64)
- Ubuntu Server v16.04–22.04 LTS (x64)
- Ubuntu Desktop 18.04–22.04 LTS (x64)
- Red Hat Enterprise Linux v7.4–9.2 (x64)
- SUSE Linux Enterprise v12 SP3–v15 SP4 (x64)
- CentOS v7.0–8.4 (x64)
- Physical CentOS Stream 8–9(x64)
- Debian v10.1–11.7

Amazon Elastic Compute Cloud (EC2)

- All AWS regions
- All instance types
- Virtual private cloud (VPC) and Classic

Applications

- Oracle Database 11g R2–19c

Storage Integration

NAKIVO Backup & Replication provides advanced integration with the following deduplication appliances:

- HPE StoreOnce system v3: version 3.18.18 and newer
- HPE StoreOnce system v4: version 4.2.3 - 4.3.2
- Dell EMC Data Domain 6.1-7.9
- NEC HYDRAsTOR 5.5.1 - 5.6.0
- NEC Storage HS Universal Express I/O Module Version 1.8.0 - 1.8.4
- HPE 3PAR 3.1.2 and higher
- HPE Nimble 5.0.2 and higher

Deployment Options

NAKIVO Backup & Replication can be installed on the following operating systems and devices:

Windows

- Windows Server 2012–2022 (21H2)
- Windows 11 (x64) (21H2)
- Windows 10 Pro/Home/Enterprise (x64) (20H2 / 21H1 / 21H2)
- Windows 8 Professional (x64)

Linux

- Ubuntu Server 16.04–22.04 (x64)
- Red Hat Enterprise Linux 7.4–9.2 (x64)
- SUSE Linux Enterprise 15 SP1–SP4 (x64)
- SUSE Linux Enterprise 12 SP3–SP5 (x64)
- CentOS Linux 7.0–8.4 (x64)
- CentOS Stream 8–9(x64)
- Debian v10.1–11.7

NAS

- QNAP QTS v4.3-v5.0
- QNAP QuTS Hero h4.5.3-v5.0
- Synology DSM v6.0-v7.2
- ASUSTOR ADM v3.5-v4.1
- TrueNAS CORE 12.0-13.0
- NETGEAR ReadyNAS v6.9, v6.10.3
- WD MyCloud OS v5

Hardware

NAKIVO Backup & Replication Requires the following hardware configuration:

- **Server:** 2 CPU cores, 4 GB RAM
- **NAS:** Refer to [System Requirements](#)
- **Raspberry Pi:** Refer to [System Requirements](#)