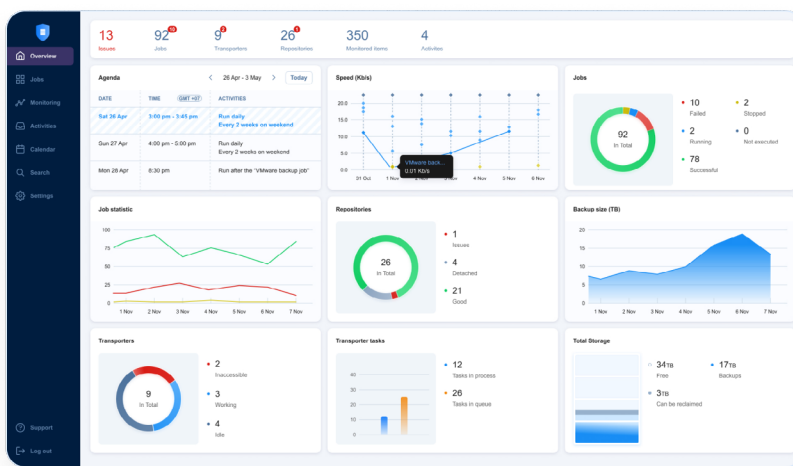


#1 Backup Solution for VMware by NAKIVO

NAKIVO Backup & Replication delivers a comprehensive set of features for VM backup, instant VM restore, disaster recovery, ransomware protection and infrastructure monitoring for VMware environments, all within a single pane of glass.



SINGLE PANE OF GLASS

for VMware VM backup, instant restore, site recovery, and ransomware protection.

FLEXIBLE DEPLOYMENT

on NAS, Windows, Linux, or as a pre-configured VMware/ Nutanix VA or AMI.

DIVERSE STORAGE TARGETS

including local folders, public cloud platforms, S3-compatible storage, NAS, and tape.

AFFORDABLE PRICING

starting at **\$2.50** per VM/month (subscription) or **\$229** per CPU socket (perpetual).

ULTIMATE PROTECTION, BUILT FOR VMWARE

Comprehensive data protection for VMware environments — including compatibility support for the latest vSphere 9 — through efficient, agentless VM backup.

Incremental backup: Create image-based incremental VM backups using VMware's native Changed Block Tracking technology.

Application support: Ensure data consistency for applications and databases (Microsoft SQL Server, Exchange Online Server, Active Directory) with app-aware backup processing.

Direct backup to cloud: Send backups directly to Amazon S3, Wasabi, Azure Blob Storage, Backblaze B2 and other S3-compatible storage targets.

Backup to tape: Store VM backup copies in physical tape libraries and AWS VTL for secure and cost-effective archiving.

Instant verification: Verify the recoverability of VM backups with reports and screenshots of test-recovered machines.

VMware Cloud Director backup: Protect Cloud Director objects, such as vApp, individual VMs and storage policies, from data loss.

Backup from storage snapshots: Back up VMware vSphere VMs on HPE 3PAR, Nimble, Alletra and HPE Primera in addition to NetApp storage devices directly from storage snapshots to increase efficiency.

Deduplication appliance integration: Back up to deduplication appliances such as HPE StoreOnce, Dell EMC Data Domain, and NEC HYDRastor with support for native deduplication protocols.

INSTANT RECOVERY

Restore anything you need from backups within seconds, and ensure preparedness for any data loss event with flexible recovery options.

Instant VM recovery: Boot VMware vSphere VMs directly from backups within seconds and migrate them to production with ease.

Instant granular recovery: Restore individual files and app objects (Microsoft Exchange Server, Active Directory, SQL Server) to the original or a different location with a few clicks.

Universal object recovery: Recover any object, regardless of the application or file system type, directly from backups to a custom location.

Cross-platform recovery: Export backups in different virtual disk formats to cross-recover VMware vSphere VMs and Microsoft Hyper-V VMs; instantly recover physical machines as VMs with a few clicks via P2V recovery.

Direct VM recovery from tape: Restore full virtual machines from backups stored on tape directly to your infrastructure without using a staging repository.

BENEFITS

2X

faster backups
with native change
tracking

49%

lower TCO than other
vendors for the same
features

4.8 STARS

average rating
for saving time
and money

5 MIN.

to fully deploy
and configure
the solution

10,000

recovery points
per backup to meet
short RPOs.

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

96%*

Willingness to recommend

RANSOMWARE PROTECTION

Protect your backup infrastructure from cyber threats with a combination of ransomware-proof backups, hybrid storage capabilities and stringent security controls.

Backup tiering: Store VM backup copies onsite, offsite, in the cloud, and on tape to increase redundancy and ensure availability.

Immutable local backups: Enable immutability for VM backups stored in Linux-based local repositories to prevent any modification, including encryption by ransomware.

Immutable cloud backups: Create immutable VM backups in Amazon S3, Wasabi, Azure Blob, Backblaze B2, and other S3-compatible storage platforms.

Deduplication appliance immutability: Enable immutability for backups residing on NEC HYDRAsstor storage

system to protect against ransomware, accidental deletions, and unauthorized modification.

Air-gapped backups: Keep VM backup copies offline on tape or detachable NAS/USB drives to create an additional layer of ransomware protection.

Backup Malware Scan: Scan VM backups for potential malware and dormant ransomware infections to ensure safe recovery.

Cyber-secure environment: Protect backups from unauthorized access with role-based access controls, two-factor authentication, and AES-256 encryption at the source, in transit and at rest in the repository.

DISASTER RECOVERY

Activate your Plan B with comprehensive disaster recovery orchestration features that ensure continuous availability in any scenario.

Real-Time Replication (Beta) for VMware: Create replicas of your VMware VMs (including compatibility support for the latest vSphere 9) and keep them updated as changes are made to the original VMs in real time with RPOs as low as 1 second.

VM replication: Create efficient, app-aware incremental VMware vSphere VM replicas that can be powered on with a single click.

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

Site Recovery: Create automated disaster recovery sequences that can be launched with one click for various scenarios, including emergency failover, failback, datacenter migration and non-disruptive testing.

Replica verification: Instantly verify VM replicas with automated reports that include screenshots of test-recovered replicas.

APPLY THE 3-2-1-1 RULE WITH NAKIVO



3 copies of your data

Keep at least **three** copies of data on local repositories, public clouds, tape, etc.



Stored on 2 devices

Store on **two** different types of media, such as tape or the cloud.



With 1 device off-site

Keep **one** copy offsite or in the cloud.



Make **one** backup copy immutable or air-gapped.

STREAMLINED OPERATIONS FOR BETTER PERFORMANCE

Enhance backup speed, reduce administrative overhead and optimize storage using a wide range of built-in features in NAKIVO Backup & Replication.

AUTOMATED WORKFLOWS

Policy-based data protection: Automate backup and recovery tasks by defining custom policy rules to include or exclude VMs based on specific criteria.

Job chaining: Create seamless workflows by linking backup and backup copy jobs together. 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.

ENHANCED VISIBILITY AND MANAGEMENT

Multilingual web interface: Easily manage all backup and recovery activities in your preferred language: Full support for English and Spanish, in addition to other optionsBETA including French, German, Italian, Polish and Chinese.

Overview dashboard: Monitor the status of your data protection activities, solution components, and issues in a centralized dashboard.

Calendar dashboard: Manage current and future data protection workflows, schedule jobs and prevent overlap.

Global search: Instantly find VMs, backups, jobs, repositories, and other objects; act on search results.

OPTIMIZED BACKUP PERFORMANCE

Backup size reduction: Reduce storage requirements and improve performance with compression, deduplication, unused block exclusion, log truncation, and more.

Network acceleration: Deploy an additional Transporter component to increase backup and recovery speeds in busy LAN and WAN networks, especially for offsite targets.

LAN-Free data transfer: Increase data transfer speeds and offload production networks using HotAdd or Direct SAN Access modes.

Bandwidth throttling: Manage network bandwidth usage by configuring global or per-job bandwidth rules, especially during working hours.

LIGHTWEIGHT AND RESOURCE-EFFICIENT

Minimal footprint: Save resources with a small solution footprint, requiring only 2 CPUs and 4GB RAM for a full deployment.

IT MONITORING FOR FULL VISIBILITY AND CONTROL

Monitor key metrics, including physical and virtual CPU load/usage, virtual disk space usage and RAM load/usage, to optimize performance and predict resource needs. Configure alerts to quickly detect suspicious activity and receive different types of infrastructure reports.

MSP-READY FOR BAAS AND DRAAS

NAKIVO Backup & Replication gives managed service providers (MSPs) all the tools they need to deliver reliable data protection services to clients with diverse IT setups.

MSP Console: Deliver full BaaS/DaaS services to clients or manage client environments with standalone instances of NAKIVO Backup & Replication from the advanced MSP dashboard.

Multi-Tenancy: Create up to 100 isolated tenants within one product instance and manage them from a single pane of glass.

Tenant Overview Dashboard

Get a real-time view of all existing tenants' environments, including jobs, repositories, nodes, inventory, and allocated resources, all at a glance.

Self-Service: Offload data protection and recovery tasks to tenants using the Self-Service Portal to save time.

Tenant Resource Allocation: Allocate data protection infrastructure resources to tenants based on their individual needs.

Direct Connect: Access remote environments via a single port connection without needing to set up a VPN.

TRUSTED BY GLOBAL BRANDS



SIEMENS



HONDA



FUJIFILM

Verifone®

WHAT CUSTOMERS SAY ABOUT NAKIVO

“ 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

“ The solution helped us **reduce backup time by 50%**. We **improved recovery times by 70%** with instant VM recovery and granular recovery features.

Jesus Alfonso Rangel Diaz, IT Coordinator, Foxconn BC

“ We **improved VM backup performance by at least 4X** as well as we no longer have to deal with failed backups.

Erik Voerman, System Engineer, Traxion



System Requirements

Supported Environments

NAKIVO Backup & Replication can protect the following platforms:

Virtual

- VMware vSphere v5.5–8.0d
- VMware vSphere v9.0 (Compatibility support)
- VMware Cloud Director v10.2.1–10.6
- Microsoft Hyper-V 2012–2025
- Nutanix AOS v6.5–6.10 (LTS)
- Proxmox VE 8.x

Microsoft 365

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

Physical

- Windows Server 2012–2025 (x64)
- Windows 11 (21H2/23H2) (x64)
- Windows 10 (1809–22H2) (x64)
- Ubuntu Server 16.04–24.04 LTS (x64)
- Ubuntu Desktop 18.04–24.04 LTS (x64)
- Red Hat Enterprise Linux v7.4–9.5 (x64)
- SUSE Linux Enterprise v12 SP3–v15 SP6 (x64)
- CentOS Linux v7.0–8.5 (x64)
- CentOS Stream v8–9 (x64)
- Debian v10.1–12.8 (x64)
- AlmaLinux v8.7–9.4 (x64)
- Oracle Linux v7.4–9.4 (x64)
- Rocky Linux v8.3–9.4 (x64)

Amazon Elastic Compute Cloud (EC2)

- All AWS regions
- All instance types
- Virtual Private Cloud (VPC) and Classic

Applications

- Oracle Database (RMAN)

For more information, refer to [Supported Platforms](#).

Storage Integration

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

- HPE StoreOnce system v3.18.18–v4.3.10
- Dell EMC Data Domain v6.1–8.1.0.0
- NEC HYDRASter v5.5.1–5.7.1
- NEC Storage HS Universal Express I/O Module Version v1.8.0–1.8.8
- HPE 3PAR OS 3.1.2 and later
- HPE Nimble OS 5.0.2 and later
- HPE Primera OS 4.5 and later
- HPE Alletra OS 9.4
- NetApp ONTAP v9.6 and later

For more information, refer to [Storage Integration Requirements](#).

Deployment Options

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

Windows

- Windows Server 2012–2025 (x64)
- Microsoft Windows 11 (21H2–23H2) (x64)
- Windows 10 (1809–22H2) (x64)

Linux

- Ubuntu Server and Desktop 16.04–24.04 LTS (x64)
- Red Hat Enterprise Linux 7.4–9.5 (x64)
- SUSE Linux Enterprise v12 SP3–v15 SP6 (x64)
- CentOS Linux 7.0–8.5 (x64)
- CentOS Stream 8–9 (x64)
- Debian 10.1–12.8 (64-bit)
- AlmaLinux 8.7–9.4 (x64)
- Oracle Linux 7.4–9.4 (64-bit)
- Rocky Linux 8.3–9.4 (64-bit)

NAS

- QNAP QTS v4.3–v5.2.3
- QNAP QuTS Hero h4.5.3–h5.2.0
- QNAP QuTScloud v4.5.1–c5.1.0
- Synology DSM v6.0–v7.2.2
- ASUSTOR ADM v3.5–v5.0.0
- TrueNAS CORE v13.0-U6.2–v13.3-U1
- Netgear ReadyNAS OS v6.9–v6.10.10
- WD MyCloud v5

Virtual Appliance

- Pre-configured VMware v5.5–v9
- Pre-configured Nutanix AOS v6.5-7.0.1.5

Hardware

NAKIVO Backup & Replication requires the following hardware configuration:

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

READY TO GET STARTED?

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