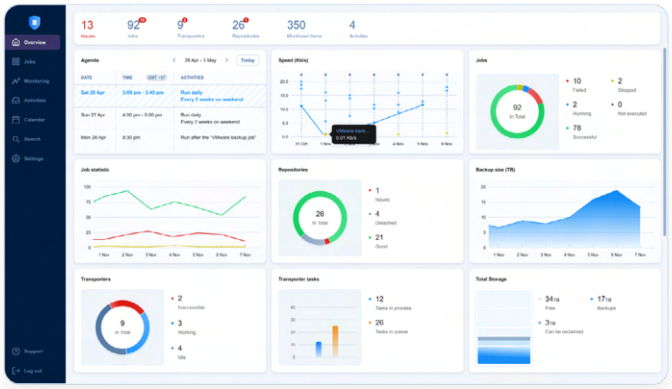
NAKIVO Backup & Replication v11

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.



ALL-IN-ONE SOLUTION

Backup, Replication, Instant Restore, Ransomware Protection, IT Monitoring, Site Recovery

MULTI-PLATFORM SUPPORT

VMware vSphere, Microsoft Hyper-V, Nutanix AHV, Proxmox VE, Amazon EC2, Windows, Linux, NAS, Microsoft 365, Oracle Database (via RMAN).

FLEXIBLE RECOVERY

Instantly restore VMs, physical machines, files, folders, and application objects from backups to original or custom locations.

VERSATILE DEPLOYMENT

Install on NAS devices for a complete backup appliance or deploy on Windows/Linux or as a VMware/ Nutanix VA or AMI in Amazon EC2.

LIMITLESS SCALABILITY

Supports single or multi-tenant needs. Efficiently scales for ROBO and edge environments. One instance protects over 8,000 VMs across 300+ locations for our biggest clients.

FAST AND EFFICIENT BACKUP

With NAKIVO Backup & Replication, you can reliably protect your virtual, cloud, physical, SaaS and hybrid environments.

VM Backup: Image-based, agentless backup for VMware vSphere, Microsoft Hyper-V, Nutanix AHV VMs and Proxmox VE VMs.

Microsoft 365 Backup: Full and incremental backups for Exchange Online, Microsoft Teams, OneDrive for Business and SharePoint Online data, including MFA-enabled Microsoft 365 accounts.

File Share Backup: Fast incremental backups of unstructured data in SMB/NFS file shares hosted on NAS devices and 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 Server, and Active Directory.

Oracle Database Backup: Backups for Oracle databases running on Windows and Linux systems via RMAN.

VMware Cloud Director Backup: Backup for Cloud Director objects, such as vApps, individual VMs and storage policies.

Backup to Cloud: Direct backup of VMs, physical machines, cloud workloads, file shares and Microsoft 365 data to public clouds like Amazon S3, Wasabi, Backblaze B2 and Azure Blob Storage.

Backup to S3-Compatible Storage: Back up your VMs, physical machines, cloud workloads, file shares and Microsoft 365 data 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, Alletra, Primera and NetApp Storage devices directly from storage snapshots.

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.

BENEFITS

2X faster with native change tracking	**49%** lower TCO than other market vendors	**4.8/5** average rating for saving time and money	**12+** Recovery options to restore lost/ deleted data	**5** minutes to deploy, configure and run the backup job

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

INSTANT RECOVERY FOR OPERATIONAL EFFICIENCY

With NAKIVO Backup & Replication, you can instantly restore VMs, physical machines, files, folders, and application objects from backups to original or custom locations.

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

Full VM recovery: Recover entire VMware, Hyper-V, Nutanix AHV and Proxmox VE VMs from backups to the same or different location in case a VM is accidentally damaged or deleted.

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.

RANSOMWARE PROTECTION FOR CYBER RESILIENCE

Advanced immutability for VMs, physical machines, cloud workloads, file shares and Microsoft 365 data in multiple storage targets and the ability to scan backups before recovering data.

Air-Gapped Backups: Keep backups and backup copies of VMs, physical machines, cloud workloads, file share and Microsoft 365 data offline (tape, detachable NAS, USB drives, etc.) for ultimate ransomware protection.

Immutable Backups in the Cloud: Make backups of VMs, physical machines, cloud workloads, file share and Microsoft 365 data 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.

Deduplication appliance immutability: Enable immutability for backups residing on NEC HYDRAstor storage system to protect against ransomware, accidental deletions, and unauthorized modification.

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

Robust security measures: 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.

COMPLIANCE WITH CYBERSECURITY REGULATIONS AND STANDARDS

NAKIVO Backup & Replication can help you reinforce your cyber resiliency strategies by enabling proactive data protection, security and data recovery.

NIS2 DIRECTIVE

NIST CSF 2.0

GDPR

HIPAA

DISASTER RECOVERY FOR THE SHORTEST RTOS AND RPOS

With NAKIVO Backup & Replication, you can quickly recover from outages and disasters with minimal downtime and data loss.

Real-Time Replication[BETA] for VMware: Update VMware VM (including the latest vSphere 8 update) 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.

IT MONITORING FOR VMWARE

NAKIVO Backup & Replication enables complete visibility into your VMware vSphere virtual environment performance and health.

- Monitor CPU, RAM, and disk usage of VMware vSphere hosts and VMs
- Get real-time alerts to monitor VMware issues as they happen and mitigate a crisis early
- Easily access, export, and share comprehensive email reports about datastore capacity, VM and host performance, and the overall infrastructure overview.

MSP-FRIENDLY BAAS AND DRAAS

The MSP Console 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 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.

Tenant 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.

PERFORMANCE

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

Native Change Tracking: Leverage native change tracking technologies (VMware CBT, Hyper-V RCT, Nutanix AHV CRT) 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.

Universal Transporter: Streamline the discovery of inventory items with a single Transporter that can be used simultaneously on physical machines, Microsoft Hyper-V hosts, and Oracle databases.

Federated Repository: Enhance backup storage scalability by aggregating multiple repositories into one federated system, facilitating seamless storage expansion and backup distribution for constant data protection, even in case of device failures or space constraints.

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.

File System Indexing: Create an index for the files and folders in your VMware and Hyper-V backups to streamline file recovery processes.

Self-Backup: Back up and recover system configuration (jobs, inventory, logs, settings, etc.).

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

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.

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.

Live Chat with Tech Support: Get help without leaving the solution web interface.

WHAT CUSTOMERS SAY ABOUT NAKIVO

> ***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

TOP RATED SOLUTION ON BIGGEST REVIEW PLATFORMS

Capterra ★★★★★

TrustRadius ★★★★★

spiceworks ★★★★★

System Requirements

Supported Environments

NAKIVO Backup & Replication can protect the following platforms:

Virtual

- VMware vSphere 5.5–8.0U3
- Microsoft Hyper-V 2012–2022
- Nutanix Acropolis 6.5 – 6.5.6.5 (LTS), 6.7.1 – 6.7.1.7 (STS), 6.8 – 6.8.1 (eSTS)
- Proxmox VE 8
- VMware Cloud Director 10.2.1–10.5.1.1

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 16.04–24.04 (x64)
- Red Hat Enterprise Linux 7.4–9.4 (x64)
- SUSE Linux Enterprise 15 SP1–SP4 (x64)
- SUSE Linux Enterprise 12 SP3–SP5 (x64)
- CentOS Linux 7.0–8.5 (x64)
- CentOS Stream 8–9 (x64)
- Debian v10.1–12.6
- AlmaLinux 8.7–9.4 (x64)
- Oracle Linux 7.4 - 9.3
- Rocky Linux 7.4 - 9.3

Amazon Elastic Compute Cloud (EC2)

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

Applications

- Oracle Database 11g R2–23c Free

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 - 4.3.7
- Dell EMC Data Domain 6.1-7.10
- 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
- HPE Primera 4.5 and higher
- HPE Alletra 9.4
- NetApp AFF/FAS
- NetApp ONTAP v9.6 or later

Deployment Options

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

Windows

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

Linux

- Ubuntu Server 16.04–24.04 (x64)
- Red Hat Enterprise Linux 7.4–9.4 (x64)
- SUSE Linux Enterprise 15 SP1–SP4 (x64)
- SUSE Linux Enterprise 12 SP3–SP5 (x64)
- CentOS Linux 7.0–8.5 (x64)
- CentOS Stream 8–9 (x64)
- Debian v10.1–12.6
- AlmaLinux 8.7–9.4 (x64)
- Oracle Linux 7.4 - 9.3
- Rocky Linux 7.4 - 9.3

NAS

- QNAP QTS v4.3-v5.2
- QNAP QuTS Hero h4.5.3-h5.1.5.2680
- QNAP QuTScloud v4.5.1 - c5.1.0
- Synology DSM v6.0-v7.2.1
- ASUSTOR ADM v3.5-v4.3.1 R6C1
- TrueNAS CORE 13.0
- Netgear ReadyNAS OS v6.9 - v6.10.9
- 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

READY TO GET STARTED?

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GET FREE DEMO

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