

NAKIVO Backup & Replication v9

#1 Backup and Site Recovery for Physical, Virtual, and Cloud Environments

A fast, reliable, and affordable solution which delivers backup, replication, instant granular restoration, and site recovery in a single pane of glass.

Backup

With NAKIVO Backup & Replication, you can reliably protect your physical, virtual and cloud environments, ensure consistency of application data, increase backup performance, and reduce backup size.

- **VM Backup:** Create image-based, incremental backups of VMware, Hyper-V, and Nutanix AHV VMs.
- **Windows Server Backup:** Create image-based, incremental backups of Windows Server physical machines.
- **Backup to Cloud:** Send backups or backup copies to public clouds, including AWS and Azure.
- **Cloud Backup:** Create image-based, incremental backups of AWS EC2 instances.
- **Policy-based Backup:** Automatically back up machines that match policy rules, which can be based on machine name, tag, size, location, etc.
- **Application Support:** Ensure the consistency of applications and databases, such as Microsoft Exchange, Active Directory, SQL, Oracle, SharePoint, and others.
- **Log Truncation for Microsoft Exchange:** Truncate Exchange log files after a successful machine backup.
- **Log Truncation for Microsoft SQL:** Truncate SQL log files after a successful machine backup.
- **Global Deduplication:** Deduplicate backups across the entire backup repository, regardless of the platform.
- **Swap Data Exclusion:** Automatically exclude swap data from VMware and Hyper-V VM backups.
- **Backup Copy:** Create copies of your backups and send them to a remote site or public cloud.
- **Instant Backup Verification:** Instantly verify VMware and Hyper-V VM backups, get a report with screenshots of test-recovered machines.
- **Backup Encryption:** Protect your data in flight and at rest with AES 256 encryption.
- **Deduplication Appliance Support:** Send backups to deduplication appliances such as NEC HYDRAsstor, EMC Data Domain Boost, HP StoreOnce, Quantum DXi, and others.

- ✓ **Over 11,000 paying customers** across the Americas, Europe, and Asia
- ✓ Largest customers protect **7,000+ VMs, 200+ sites**
- ✓ **Best of VMworld 2018:** Gold Award for the Data Protection category
- ✓ **97.3% customer satisfaction** with support
- ✓ **5-star** online community reviews
- ✓ Pricing starts as low as **\$99/ socket or \$17 per machine/year**



Operational Recovery

With NAKIVO Backup & Replication, you can instantly recover VMs, files, and Microsoft application objects directly from deduplicated backups.

- › **Instant VM Recovery:** Boot VMware and Hyper-V VMs directly from deduplicated backups, migrating booted VMs to production if necessary.
- › **Physical to Virtual (P2V):** Recover physical machines to VMware VMs and Hyper-V VMs.
- › **Instant File Recovery to Source:** Browse, search, and instantly recover files and folders back to source.
- › **Instant Object Recovery for Microsoft Exchange:** Browse, search and recover individual emails and other Exchange objects.
- › **Instant Object Recovery for Microsoft Active Directory:** Browse, search and recover individual users, user groups and other Active Directory objects.
- › **Instant Object Recovery for Microsoft SQL:** Browse, search and recover individual tables and databases back to source.
- › **Universal Application Object Recovery:** Instantly recover objects of any application by mounting disks from a backup directly to your production machines.
- › **Cross-platform Recovery:** Export VM disks across platforms to recover VMware VMs to a Hyper-V environment and vice versa.

Disaster Recovery

With NAKIVO Backup & Replication, you can perform near-real time VM replication as well as automate and orchestrate the site recovery process.

- › **Site Recovery Orchestration:** Create recovery workflows and perform scheduled non-disruptive site recovery testing, planned failover, emergency failover, failback, and datacenter migration in a single click.
- › **VM Replication:** Create and maintain VMware and Hyper-V VM replicas which are identical copies of your source VMs.
- › **AWS EC2 Instance Replication:** Create and maintain AWS EC2 Instance replicas which are identical copies of your source instances.
- › **Policy-based Replication:** Automatically replicate machines that match policy rules, which can be based on machine name, tag, size, location, etc.
- › **Application Support:** Ensure the consistency of applications and databases, such as Microsoft Exchange, Active Directory, SQL, Oracle, SharePoint, and so on.
- › **Log Truncation for Microsoft Exchange:** Truncate Exchange server log files after a successful machine replication.
- › **Log Truncation for Microsoft SQL:** Truncate SQL server log files after a successful machine replication.
- › **Replica verification:** Instantly verify VMware and Hyper-V VM replicas, get a report with screenshots of test-recovered machines.
- › **Encryption:** Protect your data in flight with AES 256 encryption.
- › **Swap Data Exclusion:** Automatically exclude swap data from VMware and Hyper-V VM replicas.

Customer Quotes

"NAKIVO Backup & Replication is a steady product that does its job without constant monitoring and controlling. Basically, it provides me with peace of mind."

*Andrew Arensburger, IT Manager,
The University of Maryland*

"NAKIVO Backup & Replication is an outstanding product that offers great features and does not break the budget. The product saved management time by 35% and reduced our VMware backup budget by 30%."

*Stivan Chou, Representative
China Airlines*

"The amount of storage space reduction we got with NAKIVO Backup & Replication's was truly awesome. We achieved 3X reduction in storage space!"

*Roland Kalijurand, IT Manager
Radisson Park Inn*

"NAKIVO Backup & Replication installed on a Synology NAS provides us with reduced deployment time, minimized complexity, and improved VM backup speed for the whole district."

*Jeong-Hyun Cho, Systems Manager
Seoul City Gas*

"NAKIVO Backup & Replication has saved us a tremendous amount of time and money. NAKIVO Backup & Replication provided us with a robust and cost-effective VM backup solution for protecting our virtual environment."

*Tony Burrus, CTO
Compton Unified School District*

"With NAKIVO Backup & Replication, we have saved more than 50% vs. maintenance of our previous VM backup solution, and have additionally saved 25% more in storage space costs with better deduplication, lowering our backup expenses by 75% overall."

*Rick Braddy, Founder and CEO/CTO
SoftNAS, Inc.*

Performance

With NAKIVO Backup & Replication, you can boost backup, replication, and recovery speed by up to 2X in addition to reducing your network load by as much as 50%.

- **Native Change Tracking:** Use native change tracking technologies (VMware CBT, Hyper-V RCT, Nutanix AHV CRT) to instantly identify modified data, and only send the changes to the destination.
- **LAN-free data transfer:** Use Hot Add or Direct SAN Access modes to increase data transfer speed while offloading production networks.
- **Network Acceleration:** Increase performance in busy LAN and WAN networks with built-in Network Acceleration.
- **Bandwidth Throttling:** Limit the speed of data transfer by configuring global or per-job bandwidth rules.

BaaS and DraaS

NAKIVO Backup & Replication provides a simple way to deliver data protection and disaster recovery as a service.

- **Multi-Tenancy:** Create multiple 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.

Ease of Use

NAKIVO Backup & Replication provides a simple web interface and comes with great features to help you save time and money.

- **Calendar Dashboard:** View all past, current, and future jobs in a simple calendar view.
- **Global Search:** Instantly find VMs, backups, replicas, jobs, repositories, transporters, and other objects, acting on search results.
- **Self-Backup:** Protect system configuration including all of your jobs, inventory, settings, and so on.
- **Live Chat with Tech Support:** Get help without leaving the Web interface.
- **Microsoft Active Directory:** Integrate with Microsoft Active Directory and map user groups to NAKIVO Backup & Replication user roles.
- **API:** Integrate NAKIVO Backup & Replication with monitoring, automation, and orchestration solutions via HTTP API.

About NAKIVO

The winner of a “Best of VMworld 2018” and the Gold Award for Data Protection, NAKIVO is a US-based corporation dedicated to developing the ultimate VM backup and site recovery solution. With 20 consecutive quarters of double-digit growth, 5-star online community reviews, 97.3% customer satisfaction with support, and more than 11,000 paying customers worldwide, NAKIVO delivers an unprecedented level of protection for virtual, physical, and cloud environments.

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Supported Environments

Physical

- ✓ Windows Server 2019
- ✓ Windows Server 2016
- ✓ Windows Server 2012R2
- ✓ Windows Server 2012
- ✓ Windows Server 2008R2

Virtual, VMware

- ✓ VMware vSphere v6.x
- ✓ VMware vSphere v5.x
- ✓ VMware vSphere v4.1

Virtual, Hyper-V

- ✓ Hyper-V 2019
- ✓ Hyper-V 2016
- ✓ Hyper-V 2012 R2
- ✓ Hyper-V 2012

Virtual, Nutanix

- ✓ Nutanix AHV 5.10 (LTS)

Cloud

- ✓ AWS EC2

Deployment Options

Windows

- ✓ Windows Server 2019
- ✓ Windows Server 2016
- ✓ Windows Server 2012R2
- ✓ Windows Server 2012
- ✓ Windows Server 2008R2
- ✓ Windows 10 Professional (x64)
- ✓ Windows 8 Professional (x64)
- ✓ Windows 7 Professional (x64)

Linux

- ✓ Ubuntu 18.04 Server (x64)
- ✓ Ubuntu 16.04 Server (x64)
- ✓ Red Hat Enterprise Linux 7.6 (x64)
- ✓ Red Hat Enterprise Linux 7.5 (x64)
- ✓ Red Hat Enterprise Linux 7.4 (x64)
- ✓ Red Hat Enterprise Linux 6.9 (x64)
- ✓ SLES 12 SP3 (x64)
- ✓ SLES 11 SP4 (x64)

NAS

- ✓ ASUSTOR ADM v3.2
- ✓ FreeNAS 11.2
- ✓ NETGEAR ReadyNAS v6.9
- ✓ Synology DSM v6.1
- ✓ QNAP QTS v4.4
- ✓ WD MyCloud v3

Hardware

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