NAKIVO Backup & Replication v9.2

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

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

Backup

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

> **VM Backup:** Create image-based, incremental backups of VMware, Hyper-V, and Nutanix AHV VMs.

> **Microsoft Office 365 Backup:** Back up and recover Microsoft Exchange Online mailboxes and individual emails.

> **Physical Machine Backup:** Create image-based, incremental backups of Windows-based and Linux-basex physical servers, as well as Windows workstations.

> **AWS EC2 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, and so on.

> **Backup to Cloud:** Send backups or backup copies to public clouds, including AWS and Azure.

> **Backup to Tape:** Send backup copies to physical tape libraries and AWS VTL, easily manage tape devices, cartridges, and backups.

> **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 and SQL:** Truncate application 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 a 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 HYDRAstor, EMC Data Domain, HP StoreOnce, Quantum DXi, and others.

✓ **Over 14,000 paid 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 application objects directly from deduplicated backups.

> **Instant VM Recovery:** Boot VMware and Hyper-V VMs directly from deduplicated backups, migrate 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, and so on.

> **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 appli 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 bank. 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 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 as well as reduce 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, act 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

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 14,000 paid customers worldwide, NAKIVO delivers an unprecedented level of protection for physical, virtual, and cloud environments.

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Supported Environments

NAKIVO Backup & Replication can protect the following platforms:

Physical
- ✓ Windows Server 2008R2 - 2019
- ✓ Windows 10 Pro. 64-bit
- ✓ Ubuntu v16.04-18.04, 64-bit
- ✓ RHEL v6.3-7.5, 64-bit
- ✓ SLES v12.0-12.4 64-bit
- ✓ CentOS v6.6-7.6, 64-bit

Virtual
- ✓ VMware vSphere v4.1 - v6.7
- ✓ Hyper-V 2012 - 2019
- ✓ Nutanix AHV 5.10 (LTS)

Cloud
- ✓ AWS EC2

Deployment Options

NAKIVO Backup & Replication can be installed on the following platforms:

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

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

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