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-based 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.

**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 SP5 (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](#)