

System Requirements

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 operating systems and devices:

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 at <https://helpcenter.nakivo.com>
- **Raspberry Pi:** Refer to System Requirements at <https://helpcenter.nakivo.com>

About NAKIVO

NAKIVO is a US-based corporation dedicated to delivering the ultimate 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 provides an unprecedented level of protection for physical, virtual, and cloud environments. As one of the fastest-growing data protection software vendors in the industry, NAKIVO provides a data protection solution for major companies such as Coca-Cola, Honda, and China Airlines, in addition to working with over 4,100 channel partners in 140 countries worldwide. Learn more at www.nakivo.com

NAKIVO Backup & Replication v9.3

#1 Solution for Data Protection and Site Recovery for Virtual, Physical, Cloud, and SaaS Environments



Single pane of glass for backup, replication, instant granular restore, and site recovery



Policy-Based Data Protection for simplified and automated management



Can be installed on a NAS device to create a high-performance backup appliance



Pricing starts at just \$99 per socket or \$17 per machine/year

Leading brands trust NAKIVO



Backup

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

- **VM Backup:** Create image-based, incremental backups of VMware, Hyper-V, and Nutanix AHV VMs.
- **SaaS Backup:** Back up Microsoft Office 365 data, such as Exchange Online mailboxes and individual emails.
- **Physical Machine Backup:** Create image-based, incremental backups of Windows-based and Linux-based physical servers and workstations.
- **Application Backup:** Create Oracle RMAN backups.
- **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, 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, AD, SQL, Oracle, SharePoint, and so on.
- **Global Deduplication:** Deduplicate backups across the entire backup repository, regardless of the platform.
- **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.

Create a Hyperconverged Backup Appliance by Installing on Synology, QNAP, ASUSTOR, NETGEAR, FreeNAS, or Western Digital NAS



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 and Hyper-V VMs.
- **Instant File Recovery to Source:** Browse, search, and instantly restore files and folders 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.
- **Active Directory:** Browse, search, and recover individual users, user groups, and other Active Directory objects.
- **Instant Object Recovery for Microsoft SQL:** Browse, search, and restore individual tables and databases to source.
- **Instant 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 and automate and orchestrate the disaster recovery process with Site Recovery.

- **Site Recovery Orchestration:** Create disaster recovery workflows and perform scheduled non-disruptive recovery testing, planned failover, emergency failover, failback, and data center migration with one 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:** Truncate Microsoft Exchange and 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.