NAKIVO Backup & Replication v9.3

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

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

Backup

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

• **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.

• **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, and HP StoreOnce.
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.
- **Instant Object Recovery for Microsoft SQL**: Browse, search, and restore individual tables and databases 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 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 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 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 Kaliurand, 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 speeds by up to 2x and 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 send only changed data to the destination.
• **LAN-Free Data Transfer:** Use the 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 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.

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