

NAKIVO® Backup & Replication v5.0

Product Datasheet

VM Data Protection

Built for virtualization, NAKIVO Backup & Replication is a fast, reliable, and affordable solution for protecting VMware VMs onsite, offsite, and in the public/private cloud.

VM Backup

You can easily set up VM backup jobs to protect your VM data locally and offsite. You can save up to 1,000 recovery points per VM and rotate the points on a daily, weekly, monthly, and yearly basis. To save storage space, all backed up data is automatically compressed and deduplicated across entire backup repository.

VM Replication

Replication creates and maintains an identical copy of source VMs on a target host/cluster (and you can save up to 30 recovery points per VM replica). In case source VMs are lost or damaged, you can instantly recover by powering on VM replicas.

Support for Applications and Databases

NAKIVO Backup & Replication supports Exchange, Active Directory, MS SQL, SharePoint, Oracle, and other applications and databases, ensuring that all backups and replicas are consistent and can be recovered. In addition, the product can truncate Exchange log files to reduce required storage.

Automated VM Protection

You can ensure that important VMs are always backed up and replicated by protecting entire VMware containers - such as resource pools, folders, hosts, and clusters. This way all new VMs that are created in or moved to a protected container are automatically added to your backup and replication jobs.

Single-Click Cloud Integration

If you don't have an offsite location for storing your VM backups, you can integrate with Amazon cloud in a single click, and use Amazon's fast, reliable, and affordable cloud storage.



"With NAKIVO Backup & Replication, my backup jobs are always successful. It just works!"

Dan Long, MIS Director



"We evaluated other leading VM backup and disaster recovery solutions but selected NAKIVO Backup & Replication. The unique combination of price, performance, and time saving functionality made NAKIVO the clear winner."

Greg Buccheri, IT Manager



SYSTEMEC

"We were impressed with the features and support while testing the product, and an excellent pricing compared to the competition."

Marco Teelen, Manager of Internet Services

VM Data Recovery

Rapid recovery of files, application objects, and VMs is vital for any business. NAKIVO Backup & Replication provides a variety of options for recovering data from VM backups and replicas.

Flash VM Boot

Flash VM Boot enables you to run (boot) VMs directly from compressed and deduplicated VM backups. This way you can recover your VMs within seconds, without waiting for full restore from backup files. Using Flash VM Boot you can also verify VM backups, run disaster recovery tests, access files and application objects of any application on any OS, test system updates and application patches, and so on.

Instant File Recovery

With NAKIVO Backup & Replication you can instantly recover files directly from compressed and deduplicated VM backups. You can easily browse, search, forward, and download files and folders right within the product UI, without recovering the full VM first. This feature is purely agentless and works right out of the box for both Windows-based and Linux-based VMs.

Instant Exchange Objects Recovery

NAKIVO Backup & Replication enables browsing, searching, and recovering Microsoft Exchange objects – such as emails – directly from compressed and de-duplicated VM backups, without the need to restore the entire VM first. This feature is 100% agentless, works right out of the box, and does not require creating a special lab or running a special backup type.

Full VM Recovery from VM Backup

If a backed up VM is accidentally damaged or deleted, you can recover it from the backup in just a few clicks. The VM will be recovered in exactly the same state as it was during the backup and will appear on the ESXi you selected for recovery.

Disaster Recovery with VM Replicas

Because VM replication creates an identical copy of source VMs, recovering from a disaster is as simple as powering on the replicated VMs. If a source VM has been damaged and then replicated, you can roll it back to a previous recovery point.



"Should we experience a host failure or lose data by any means, we are safe in knowing NAKIVO Backup & Replication is able to restore our VMs in a quick and safe fashion."

Michael Campbell, IT Director



"Backup speed is important, but recovery speed is even more important. With NAKIVO Backup & Replication, VM and file recovery is 60X faster than our previous solution, enabling us to have greater overall uptime while also protecting our VMs more frequently to meet shorter recovery point objectives."

Milko Mihov, IT Manager



**Acorn
Fasteners**

"NAKIVO Backup & Replication has helped make the job of disaster recovery from a complete disaster extremely easy. Even in case our infrastructure is completely destroyed by a fire, flood, or anything else, we know that our core services can be back in operation at the flick of a switch."

Jim Rankin, Strategic Project Manager

Performance and Reliability

NAKIVO Backup & Replication is certified by VMware and has been designed to deliver the highest levels of performance and reliability for VM backup, replication, and recovery.

Network Acceleration

Because WAN and LAN links are often slow or have limited bandwidth, the product can use compression and traffic reduction techniques to speed up data transfer. On average, this results in a 2X lower network load and 2X faster data transfers.

Multi-Threading

Multi-Threading enables NAKIVO Backup & Replication to run dozens of backup, replication, and recovery jobs simultaneously, which speeds up data processing and shortens the time windows allocated to VM data protection.

Direct SAN Support

With NAKIVO Backup & Replication you can use your fiber-channel and iSCSI SANs to offload management and production networks while significantly increasing data transfer speeds.

Enterprise Scalability

NAKIVO Backup & Replication is a modular solution that can be fully installed on a single machine to protect small and mid-sized environments, as well as scale out horizontally and support large distributed environments with 10,000+ VMs.

Automated Backup Verification

With NAKIVO Backup & Replication you can verify your VM backups on schedule or ad hoc to ensure that that application objects, files, and the entire VMs can be recovered.

Job Retries

Many factors – such as temporary network disruptions or high server load – can prevent jobs from completing successfully. NAKIVO Backup & Replication automatically retries failed actions multiple times and resumes jobs from the point of failure.

Call Home

The product can automatically create, encrypt, and upload support bundles to a NAKIVO support server. This helps NAKIVO team to quickly identify and resolve support issues.



"For our Backup-as-a-Service, we are now using NAKIVO Backup & Replication as our underlying technology, due its superior reliability and performance. The intuitive self-service client user interface has also enabled us to dramatically reduce our training time from over eight hours to just a few minutes on average."

Tom Arentsen, CTO, HostVentura



"NAKIVO Backup & Replication is loaded with new technology and capabilities to back up VMs locally, offsite, and to the cloud. It's the easiest to use backup application that I've seen in a long time."

Marco Broeken, Virtualization Architect and blogger, www.vclouds.nl



"The rapidly growing product - NAKIVO Backup & Replication - brings new features that are good for IT admins and Service Providers. NAKIVO with its rapid development release cycles can bring features and functionalities that users need in their environments."

Vladan Seget, vExpert, VCP, VCAP, blogger, www.vladan.fr

Cost Savings

NAKIVO Backup & Replication helps driving VM data protection costs down and maximizes return on investment.

Streamlined Deployment

NAKIVO Backup & Replication is designed to seamlessly plug into your VMware virtual environment. You can install the product on Windows, Linux (which free and secure), or deploy it as a pre-configured Virtual Appliance. From start to finish, it takes about 10 minutes to install and configure the product.

Built-in Database, no Agents

NAKIVO Backup & Replication comes with a built-in database and is 100% agentless, so you don't need to spend time on installing, configuring, or managing any agents.

Low Resource Consumption

For a single-site deployment, NAKIVO Backup & Replication requires just 2 CPU cores and 4 GB of RAM.

Intuitive Web UI

The simple and intuitive Web UI enables managing all aspects of VM data protection at any time and from anywhere, from a tablet or PC. This saves hours of time spent on backup administration.

Storage Space Reduction

The product automatically deduplicates backed up data across entire backup repository. On top of that, deduplicated blocks are compressed to ensure that the least amount of space is used. This combination results in up to 30x space reduction.

HTTP APIs for Automation

HTTP APIs enable you to automate and orchestrate VM backup, replication, and recovery. APIs have been designed so that even non-developers can easily use them to integrate NAKIVO Backup & Replication with monitoring, automation, and orchestration solutions for reducing time spent on VMware data protection management and decreasing data protection costs.

Best Price, Fastest ROI

The licensing and maintenance price of NAKIVO Backup & Replication is often 2X to 4X lower than the competition.



"NAKIVO provided us with over 600% savings on our VM protection and backup platform, whilst still delivering a backup / replication strategy that is simple, robust, and scalable."

Brendan Armstrong, CTO



"NAKIVO has been the price leader in VM backup solutions, making their solution ideal for the mid-market data center. NAKIVO is certainly a VM Backup solution to have on your short list."

George Crump, Lead Analyst



"With prices starting at \$199 per socket (and an enterprise edition priced at \$599 per socket), NAKIVO's software is roughly half the price of some of its competitors' VMware backup/recovery software."

Dave Simpson, Senior Analyst

Cloud Provider Features

NAKIVO has enabled over 50 managed services, hosting, and cloud providers to introduce VM Backup-as-a-Service, VM Replication-as-a-Service, and Disaster-Recovery-as-a-Service.

Multi-Tenancy

Multi-tenancy enables creating multiple isolated tenants within a single product deployment and manage them from a single pane of glass. This enables managed services, cloud, and hosting providers to introduce VM BaaS, RaaS, and DRaaS to their clients more easily and cost-effectively.

Self-Service

In the Multi-Tenant mode, tenants can access the self-service portal to offload the VM backup, replication, and recovery tasks from the service provider. The self-service feature can be individually enabled or disabled for each tenant, and data protection privileges can be set for each tenant.

vCloud Director Support

Answering the growing need for a data protection solution in a cloud environment, NAKIVO has added support for vCloud Director. The product can now back up and replicate vCloud Director vApps, recover files from vApp backups, as well as recover full VMs back into vApps.

About NAKIVO

NAKIVO is a software company that has been profitable since founding in 2012. With more than 3,300 customers including many Fortune 1,000 companies and over 500 channel partners worldwide, NAKIVO provides a fast, reliable, and affordable VM backup and replication solution for enabling SMBs and enterprises to protect and recover VM data onsite, offsite, and in the cloud. NAKIVO has also enabled over 50 hosting, managed, and cloud services providers to create and offer VM Backup-as-a-Service, Replication-as-a-Service, and DR-as-a-Service to their customers. For more information, please visit www.nakivo.com.

SYSTEM REQUIREMENTS

Hardware:

- CPU: 2 cores
- RAM: 4 GB

Operating Systems:

- Ubuntu 12.04 Server (x64)
- Red Hat Enterprise Linux 6.3 (x64)
- SUSE Linux Enterprise 11 SP2 (x64)
- Windows Server 2012 R2 Standard
- Windows Server 2012 Standard
- Windows Server 2008 R2 Standard
- Windows 8 Professional (x64)
- Windows 7 Professional (x64)

SUPPORTED ENVIRONMENTS

- VMware vSphere 4.1 - 5.5
- VMware ESXi 4.1 - 5.5
- VMware ESX 4.1

LICENSING

NAKIVO Backup & Replication licenses are CPU socket based and only charged for the source side of backup or replication.

