

# NAKIVO Backup & Replication v5.8 Free Edition

# 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 public/private clouds.

### VM Backup

You can back up entire VMware VMs on schedule or ad hoc, both locally over LAN and offsite over (a slow) WAN. For each VM backup, you can save up to 1,000 recovery points and rotate them on a daily, weekly, monthly, and yearly basis. Each backup can be verified with screenshot verification.

### VM Replication

Replication creates and maintains an identical copies of source VMs on a target host/cluster. For each VM replica, you can save up to 30 recovery points. 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.

### Backup to Amazon Cloud

With NAKIVO, you can connect to Amazon cloud in a single click, and use Amazon's fast, reliable, and affordable cloud to store your VM backups.



*"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."*

**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.

## Instant VM Recovery

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, and test system updates and application patches.

## Instant Application Objects Recovery

NAKIVO Backup & Replication enables browsing, searching, and recovering Microsoft Exchange and Microsoft Active Directory objects directly from compressed and de-duplicated VM backups, without restoring 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.

## 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.

## Full VM Recovery from VM Backup

If a backed up VM is accidentally damaged or deleted, you can recover it from a 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 identical copies 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**

# Reliability and Performance

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.

## Screenshot Verification

The product provides an automated way to instantly verify VM backups by sending a screenshot of the recovered VM as a proof of recoverability. After a VM backup is completed, Screenshot Verification recovers the VM with Flash VM Boot, makes a screenshot of the booted OS, discards the recovered VM, and sends a report with the screenshot via email. This way you can not only trust that you have a good backup, but also see (and show to your management) that VMs are recoverable.

## 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 network load reduction of 50% and a data transfer acceleration of 2X.

## 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.

## 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.

## 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, or can be installed on distributed systems to protect enterprise environments with 10,000+ VMs.

## 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](http://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](http://www.vladan.fr)**

## Cost Savings

NAKIVO Backup & Replication helps to drive VM data protection costs down while maximizing 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, Western Digital NAS, 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, on 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 can result in a space reduction of up to 30X.

## 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.



*"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 70 managed services, hosting, and cloud providers to offer 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.

## About NAKIVO

Founded in 2012, NAKIVO is a privately-held software company headquartered in Silicon Valley. With more than 8,000 customers - including many Fortune 1,000 companies - and over 900 channel partners across 102 countries 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 public/private clouds. NAKIVO has also enabled over 70 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](http://www.nakivo.com).

### SYSTEM REQUIREMENTS

#### Virtual/Physical Machine:

- CPU: 2 cores
- RAM: 4 GB

#### NAS:

- Western Digital My Cloud DL2100
- Western Digital My Cloud DL4100

#### Operating Systems:


- Pre-Configured Virtual Appliance
- 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 - 6.0
- VMware ESXi 4.1 - 6.0
- VMware ESX 4.1

### LICENSING

NAKIVO Backup & Replication Free edition includes a license for 2 VMs.

 Learn more at [www.nakivo.com](http://www.nakivo.com)

**NAKIVO**  
Virtualization and Cloud Backup

