



Xopero ONE Backup & Recovery for VMware

Data Sheet



Enterprise-class protection of your virtual environments doesn't have to be complicated or overpriced. Xopero ONE Backup & Recovery for VMware stands out with simplicity, cost-effectiveness, and reliability, meeting the expectations of the most demanding virtual and hybrid environments.

BOOST VMWARE BACKUP

Agentless, consistent, image-level backup, performance and optimization technologies, and ease of use reduce administrative overhead so you can focus on core duties. Have peace of mind by knowing your virtual environment is reliably protected and recoverable.

- ▶ **Agentless VMs backup:** backup single or multiple VMs including all disk data and configuration files directly from your ESXi host/vCenter server without any need to install an agent inside each VM.
- ▶ **Application-aware backup:** protect the entire VM and keep application data consistent in a copy. With the application-aware feature, your backups will include all data, even the one from the working apps, and you will have a guarantee that your copy is complete and consistent.
- ▶ **Backup live VMs:** thanks to an application-aware backup we backup even working machines, without any impact on their performance and with zero downtime.

SUPPORTED PLATFORMS

VMware vSphere:

vSphere v6.7+

VMware ESXi:

ESXi v6.7+

SECURITY FIRST

ISO 27001

SOC 2 Type II

SAML integration

- › **Transport modes:** Xopero ONE supports advanced VMware transport modes - SAN, Hot-Add, and Network mode (NBD & NBDSSL) for fast&efficient data transfer.
- › **LAN-free backup:** reduce the load on your production network and speed up a backup with LAN-free data transfer modes (HotAdd and SAN transport), so no additional optimization is needed.
- › **Fast Incremental backups:** thanks to the VMware Changed Blocks Tracking (CBT) Xopero ONE downloads only changed parts of the VM for backup instead of the entire VM. Your backups are faster and save storage space.
- › **Reduced VM backup size:** we use three mechanisms to keep your copies small and fast - skipping SWAPs and empty blocks as well as global deduplication on the source and compression up to 60% - one of the highest on the market.
- › **Backup from a single ESXi host to huge VMware clusters:** backup from one to an infinite number of VMs from a stand-alone ESXi host to huge VMware clusters.
- › **Control backup workloads:** take advantage of task balancing, which can allow you to control the number of machines that are backed up simultaneously, exploit the opportunity to limit the network capacity, and split the backup into many different plans, which can permit you fully control and manage your workloads.
- › **Backup Proxy:** our Virtual Appliance is easily added to the ESXi host/vCenter server and it becomes a proxy between your VMware and storage so you do not have to install anything and can easily use advanced transport modes.
- › **File system & crash consistency:** two additional mechanisms next to the application-aware backup that rely on VMware snapshots to ensure data consistency on very different levels.
- › **Backup by VM state:** backup only the VMs with a certain power state - online, suspended, and offline.
- › **Backup from storage snapshot instead of VMs:** perform your backups as fast as possible by transferring the VM data directly from and to FC, FCoE, and iSCSI storage over the SAN, skipping ESXi hosts and the LAN, without any load on the production network.

XOPERO PROTECTS

Workstations and servers:

Windows

Linux

MacOS

Microsoft 365:

Outlook

OneDrive

Teams soon

SharePoint soon

Contacts

Calendar

Exchange online

Git Platforms:

GitHub

Bitbucket

GitLab

Jira

VMs:

VMware

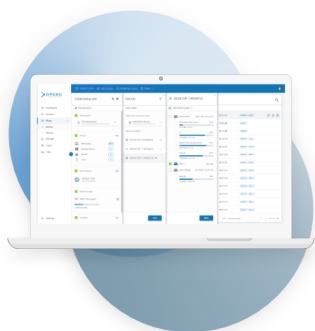
Hyper-V

„Xopero thank you that you can always make a dark night bright with your solution. **You save the company's life!**“

STRESS-FREE VM RESTORE & DR

Virtualization reduces the workload, optimizes resource usage, boosts the company's agility, and enables better uptime. So does Xopero ONE Backup & Restore. We bring accessibility and recoverability to your virtual environment so you can resume IT operations in minutes.

- ▶ **Multiple recovery options:** restore the backup data granularly, whole machines, instantly boot a VM, or perform migration to another VM environment.
- ▶ **Instant Disaster Recovery:** instantly run VMware VMs directly from backup to resume business operability within minutes and eliminate downtime.
- ▶ **Entire VM recovery:** recover one or multiple mission-critical VMs to the same or another ESXi host or cluster with all disk data and configuration files to the latest state or any point in time to resume your IT operations in minutes.
- ▶ **Granular restore:** this object-level restore lets you browse, search and instantly restore the required individual files and folders from the VM image-based backup or over iSCSI.
- ▶ **Test restore:** set a restore plan and schedule to automatically recover the latest copy of the entire machine or run VMs directly from the backup to test performance. Get a report with a screenshot. Instantly verify VMware backups and measure RTO and plan better your business continuity plan.
- ▶ **Improved SLA:** improve recovery time objectives (RTOs) and meet the expected recovery point objectives (RPOs) more efficiently by choosing Xopero ONE Backup & Restore for VMware.
- ▶ **Any point-in-time restore:** easily restore not only the most recent VM copies but also your VM backups from any point in time due to long-term advanced retention.



The enterprise-class backup solution

START 30 DAYS FREE TRIAL



In Q3 of 2022, the average downtime for businesses as a result of a ransomware attack was **25 days.**

- According to Coveware.

The average cost of IT downtime is **\$9,000 per minute.**

- According to Ponemon.

Every 11 seconds, a company is hit by ransomware.

HIGH BACKUP PERFORMANCE

Take advantage of a wide range of enterprise-class features that let you customize your policy, boost backup execution and reduce your storage usage to easily protect even the most complex virtual or hybrid infrastructure.

- **Multi-storage system:** Xopero Cloud, AWS Storage, Wasabi Cloud, Backblaze B2, Google Cloud Storage, Azure Blob Storage, and all S3 compatible clouds or local disk resources, SMB, NFS, CIFS, hybrid or multi-cloud environment - use your cloud or local storage, save money and do not invest in additional IT infrastructure.
- **Plan-based backup:** choose the data and VMs you want to protect, storage where you want to keep your data, and backup execution manner. Quickly start protecting your virtual environment. Add many VMs to one plan or one VM to many plans. As you wish.
- **Advanced plan customization:** set the backup plan that meets your expectations and needs. Use basic or more advanced settings - backup window, retention schemes, compression, encryption, and more - you have control over everything. Backing up even the most complex virtual infrastructure has never been easier.
- **Set it and don't think about it:** once you set your backup plan, it will be performed automatically, according to schedule. We will keep you notified so you don't have to log in to make sure your backups are running smoothly.
- **Backup schedule:** perform backups due to set schedules - with a month, week, days, and hours manner. It will run automatically according to your preferences.
- **Backup window:** define the exact time range (days and hours) when the backup is allowed. This time cannot be exceeded. It gives administrators full control over bandwidth and performance.
- **Backup plan cloning:** need only slight changes in your backup plan for a new VM? Just copy your current policy, make changes, and assign it to your new machine.
- **Backup compression on source:** choose the preferred compression algorithm and level. Ensure faster backup, less transfer, and network utilization. Reduce storage usage with no impact on data compliance. Get compression of up to 60% - one of the highest on the market.
- **Global deduplication on source:** the most efficient deduplication method that checks and eliminates the same blocks in backup across all sources and datasets in an organization to perform smaller and faster backups, as well as reduce bandwidth usage and storage consumption.

LEADING BACKUP PROVIDER

60+

countries

1M+

protected devices

200k+

satisfied customers

14yrs+

of market presence

15+PB

of data

„If you don't know how to back up multiple number of computers and servers, contact Xopero. These guys know what to do to **provide with the best backup** at a pretty nice price (...).”

- **Replication between all kinds of storages:** our replication technology creates native, up-to-date, scheduled copies of your backups between many storage instances (both local and cloud) to improve security, ensure faster data restore, DR, and eliminate vendor lock-in.
- **Flexible versioning and retention:** easily set versioning and retention according to your company's strategy. Store all versions, define the number of copies, or the time a given copy should be kept to optimize storage capacity.
- **Advanced backup schemes:** set the backup retention scheme that meets your company and infrastructure size, policy, and strategy. We offer you a wide range of possibilities - from simple to most advanced ones. Basic, Custom, Grandfather-Father-Son (GFS) or Forever Incremental - choose yours.
- **Grandfather-Father-Son (GFS) scheme:** use a multi-level backup rotation scheme for long-term data archiving. Set up separate backup cycles to perform a new backup every day, week, or month. Store data for a long time and maintain minimal storage usage.
- **Pre/post-backup, post-snapshot scripts:** the system enables to run custom scripts before, during, and after the backup task so the administrators can maintain full control over the backup process and craft it to their needs.

TIME-SAVING CENTRAL MANAGEMENT

Thanks to the web-based central management console and super-friendly interface managing even the most complex virtual infrastructure and enterprise-class features has never been so easy and time-saving. Have access anywhere, anytime with no installation needed.

- **Web-based central management:** manage your virtual environment protection through a web-based central management console and have access anywhere, anytime, at your fingertips.
- **Multi-level management:** add new accounts, set roles, and privileges to delegate responsibilities with your team and administrators. Grant or limit permissions to each account to have more control over access, and data protection.
- **Easy monitoring:** track all actions performed in the system with email reports, audit logs, and visual statistics. Easily monitor the status of your backup plans and if needed - react immediately.



„(...) managing even the most complex virtual infrastructure and enterprise-class features **has never been so easy and time-saving.**”

- **The most user-friendly interface #1:** take advantage of the super-easy and intuitive interface of our central management console. Pretty dashboards, SLA reports, Compliance section, visual statistics, real-time actions - all at your fingertips. Once you see it, you won't even take a look at another one. It will be a friendship at first sight!



HIGH-LEVEL SECURITY

We do not provide you with just a VMware backup solution. With our secure and safe technology, we guarantee you peace of mind in every situation.

- **AES backup encryption:** your data is encrypted - simply choose your encryption level and make sure nobody can decrypt your confidential information.
- **Encryption in-flight and at rest:** we encrypt your data in-flight before it even leaves your virtual machine and at rest in the repository so it's protected either during backup execution or at rest on your storage.
- **Secure Password Manager:** store and manage all your passwords in one, secure place. You don't have to remember or write them down - if you need to use them, just choose from the list.
- **Zero-knowledge encryption:** your Virtual Appliance does not have any information about the encryption key - it receives it only when performing a backup. Moreover, it is stored in a different location than your backups so it is impossible to access your data by anyone.
- **No single point of failure:** our solution simply enables the communication between the virtual appliance and storage and does not take part in the backup process. You can lose access or configuration but as long as you have your encryption key you can restore all the data.
- **Immutable storage:** take advantage of WORM-compliant storage technology that writes each file only once and reads it many times. It prevents data from being modified or erased and makes them ransomware-proof.
- **Authentication with IdPs and SAML:** control authentication and authorization processes due to our integration with external identity providers - Auth0, Azure AD, Okta, CyberArk, or Google, using SAML (Security Assertion Markup Language) standard. The new service is available from the System Administrator level - from here you can easily add, modify, and remove external identity providers.

About us

Xopero Software began in 2009, founded as a company serving primarily SMB users. Our goal was to create a more accessible and affordable secure data protection solution for any businesses.

In 2015, Xopero started cooperation with QNAP Inc. - one of the key global NAS providers. This addition expanded our portfolio to include a true backup appliance.

In 2017, Xopero fully extended into the global market thanks to cooperation with ESET. Our company took the place previously occupied by StorageCraft in the ESET Technological Alliance.