

# Ransomware-proof backup and Disaster Recovery for Windows Server, Linux, and NAS devices.

Reliable and unlimited protection of physical environments for any demanding business.



## DEPLOYMENT & STORAGE COMPATIBILITY

Xopero ONE Backup & Recovery can be flexibly deployed in any on-premise environment or used as a SaaS service without installation. Regardless, you can store your copies in any local, cloud, hybrid, or even multi-cloud environment.

- ▶ **Dedicated to physical machines:** create policy-based backups of Windows- and Linux-based physical servers and network shares. From simple to the most complex and numerous physical environments.
- ▶ **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 storages, save money and do not invest in additional IT infrastructure.
- ▶ **SaaS or on-premise deployment:** choose on-premise deployment to install management service and backup agent on your own infrastructure or choose SaaS deployment to run it directly from the cloud with no installation needed. Regardless of the deployment model, you can store data in included Xopero Cloud, locally or in your own cloud.
- ▶ **Docker deployment:** Xopero ONE management service and agent are delivered as Docker images so you can run Xopero immediately in any containerized environment, including Kubernetes and almost all NAS servers as well as any public or private cloud.

## XOPERO PROTECTS

### Workstations and servers:

Windows  
Linux  
MacOS

### NAS devices:

Synology  
QNAP  
Asustor  
Western Digital  
and more

### Microsoft 365:

Outlook  
OneDrive  
Contacts  
Calendar  
Exchange online  
Teams soon  
SharePoint soon

### DevOps:

GitHub  
Bitbucket  
GitLab  
Jira.

### VMs:

VMware  
Hyper-V

## RELIABLE SERVER BACKUP

Backup entire servers, network shares, and databases in minutes. We simplify server backup so you can reliably protect the most critical company data from any event of failure.

- **Full, incremental, and differential backups:** create full copies of all configured data and then include only changed blocks for file and disk image backups to reduce the size of the backup and speed up the backup performance.
- **Smart Image Backup:** fast & smart drive image backup of everything - system, applications, configuration settings, services, data - don't risk losing irreplaceable data, custom applications, or your operating system.
- **Smart File Backup:** back up all or selected files and folders from your device or exclude data for protection. Use filtering by name, path, extension, system variable, or attributes to have full control over the copy content.
- **Application-aware backup:** back up selected files and folders or the entire drive image, even while you are working on the server, and keep all data consistent in a copy.
- **Native database backup:** perform native backups and restore for MS SQL, MySQL, PostgreSQL, Firebird, and Oracle databases to easily protect the most essential part of your business data.

## HIGH-PERFORMANCE BACKUP

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

- **Plan-based backup:** data and devices, storage, backup types, schedule, and advanced settings - easily customize your one backup policy to protect many, even an unlimited number of servers. Set up as many plans as you need to meet your organizational and legal requirements.
- **Backup schedule:** perform backups due to set schedules - with a month, week, days, hours manner, or even every 10 minutes. Set it and don't think about it.

## LEADING BACKUP PROVIDER

**60+**  
countries

**1M+**  
protected devices

**200k+**  
satisfied customers

**14yrs+**  
of market presence

**15+PB**  
of data

„Beside dedicated SaaS backup **we bring you speed, efficiency, security** (...)"

- **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. To have even more control, set different retention for every backup type (full, incremental, differential) separately.
- **Grandfather-Father-Son (GFS) scheme:** use a multi-level backup rotation scheme for long-term data retention. Perform specific types of copies in a specific time cycle (monthly, weekly, daily). Store data for a long time and maintain minimal storage usage.
- **Custom scheme:** custom is the simplest possible and the most flexible scheme that consists of full and incremental copies which can be scheduled separately and applied to any kind of backup.
- **Basic scheme:** use a daily scheduler to make the configuration of the backup policy much easier. Choose the days when you want to have your copy performed without the need to define it separately for different types of copies.
- **Backup window:** define the exact time range (days and hours) when backup can run. This time cannot be exceeded. It gives administrators full control over backup performance.
- **Forever incremental:** this scheme assumes one full copy and subsequent incremental ones. Brings you a wide range of advantages: fast backup execution, low network load, and effective storage usage.
- **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 backups, as well as reduce bandwidth usage and storage consumption.
- **Replication between all kinds of storages:** set a replication plan to create 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.
- **Pre/post-backup, post-snapshot scripts:** perform custom scripts before, during, and after the backup task to maintain full control over the backup process and craft it to your needs. This is a great feature for database and working applications backup that gives you a data consistency guarantee.
- **Backup plan cloning:** need only some changes in your backup plan for a new server or group of devices? Just copy your current policy, make changes, and assign it to the new device.



- › **Control the number of concurrent backups:** decide how many devices can run a backup simultaneously, and control the workload of your environment and backup efficiency!

## INSTANT RESTORE AND DISASTER RECOVERY

Eliminate downtime and ensure Business Continuity with wide and the most effective Disaster Recovery features in a package. Restore from single files to the entire server environment in multiple locations or company branches. Make your environment disaster-resistant.

- › **Instant Disaster Recovery:** have immediate access to files from a disk image or the entire copy even if a backup is encrypted or compressed. Create virtual machines and restore your data even in seconds after the backup is done.
- › **Flexible Drive Restore (P2V):** restore disk image in the VHD, VHDX, VMDK, and RAW format and use it to create virtual machines. Thanks to that, in the case of a failure, you can easily restore your production environment.
- › **Cross-platform recovery:** restore your drive image to the same or different hardware - even if it requires custom drivers. You can easily upload them to the Xopero ONE and the restored operating system.
- › **File Level Recovery:** restore individual files and folders from all the servers and workstations to any operating system, no matter where they come from.
- › **Bare Metal Restore:** restore your backed-up data and the whole system to the same or a new device using a specially crafted bootable tool to keep your business truly agile. Even remotely - just use a flash drive, connect to the central management console, and set up a remote BRM for multiple locations or company branches.
- › **Granular restore:** take advantage of the granular, fast, and point-in-time recovery of selected files and folders from a previously made image backup. Run the image, mount it to any computer, and access it as a local drive.
- › **Point-in-time recovery:** don't limit yourself to the last copy. Thanks to flexible versioning and long-term retention, you can restore data from a specific point in time. Just select the specific copy you want to restore, specify the destination and get instant access to the data you need.



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.

**„The most effective Disaster Recovery features in a package - with no additional costs. Protect, restore, get back to business immediately and maintain a really low RTO.“**

## CENTRAL MANAGEMENT AND EASY MONITORING

Thanks to the web-based central management console and super-friendly interface, you can manage large deployments with minimal effort, easily use enterprise-class features, add admins, set privileges and monitor every action performed.

- **Web-based central management console:** manage your data protection through a web-based central management console and have access anywhere, anytime - directly from your browser.
- **Multi-tenancy:** 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.
- **Email and Slack notifications:** set up custom email and Slack notifications. Define the recipients, summary details of backup plans you want to be informed about, and the preferred language. Stay up to date without logging into the console.
- **Advanced audit logs:** get easy access to logs containing all information about the work of applications, and services, as well as created backups, and restored data. You see which actions are performed by each admin so you can prevent any intentional malicious activity.
- **Compatibility with your external monitoring system:** attach our audit logs to your external monitoring systems and remote management software (i.e. PRTG) via webhooks and make monitoring even easier and non-engaging.
- **Plans and device-based management:** manage your policy from plans or device levels - depending on your needs, size, preferences, and IT infrastructure.
- **The most user-friendly interface #1:** take advantage of the super-easy and intuitive interface of our central management console. Pretty dashboards, 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!
- **Compliance section:** you can see at a glance whether your copies meet the criteria for security, which are the basis for numerous standards and certifications. Percentage of resources with active backup, encryption and much more.

**„Super firendly interface (...) - with dashboards crafted to each feature. Plans, devices, storage dashboards - all for transparency and ease of use.“**

**„Thanks to super-friendly interface managing even the most complex infrastructure and advanced enterprise-class features have never been so easy and time-saving.“**

## TOP SECURITY FOR LEGAL COMPLIANCE

We do not provide you only a backup solution. With our secure and safe technology, we make sure you stay on top of regulatory requirements and security recommendations.

- **AES backup encryption:** your data is encrypted with the AES algorithm - simply choose your encryption level and make sure nobody can decrypt your confidential information.
- **In-flight and at rest encryption:** 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 in 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. Create unique, strong passwords easily.
- **Zero-knowledge encryption:** your device 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 for anyone to access your data.
- **No single point of failure:** our solution simply enables the communication between the device 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 the data.

## RANSOMWARE PROTECTION

Eliminate data loss and downtime from ransomware with non-executable data in copies, immutability safeguards, Disaster Recovery technologies, and a full range of security features. Choose a ransomware-proof solution to achieve cyber resilience.

- **Non-executable data in the copy:** Xopero ONE compresses and encrypts your data making it non-executable on the backup storage. It means that even if ransomware will hit your files on the backup source those data can not be executed in the storage.
- **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 it ransomware-proof.

## SECURITY FIRST

ISO 27001

SOC 2 Type II

SAML integration



### Customer quotes

After a negative experience with a previous backup solution, we decided to get Xopero. The implementation did not involve any additional costs or modification of our IT infrastructure. In addition, central management and automation have allowed us to save a lot of time, which was previously devoted to backup policies management.

- Mariusz Lutowski

Xopero has proved itself 100 percent and, more importantly, had an unbeatable price. It has offered all the functionality we required, with simple implementation on our IT infrastructure and maximum endpoint security.

- Gwarant Protection Agency



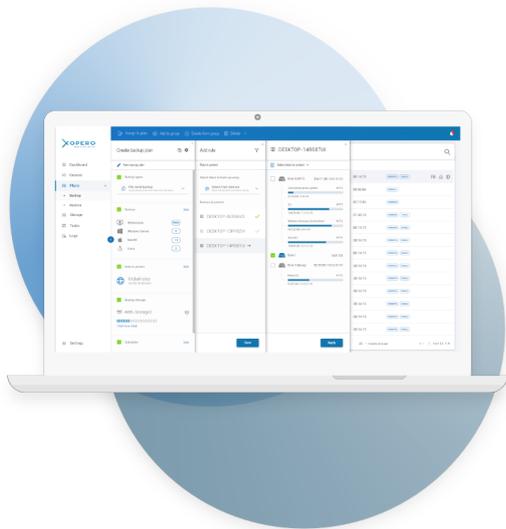
- **Limited access to storage credentials:** authentication data to the backup storage is sent to the agent only while performing backup so there is no way for ransomware to access your storage even if the source machine is infected.
- **Multi-storage system and replication:** in Xopero ONE you can add an infinite number of data storage - cloud or local, and thanks to replication plans create native copies in independent locations. Now you can easily implement the 3-2-1 backup rule, and in the event of a failure or attack on one of the storages, you can restore the copy from the next one.
- **Backup-as-a-Service:** use Xopero ONE in the subscription model to immediately protect your data, without the need to install the service. It will be stored in a geo-redundant Data Center that meets the highest security requirements and guarantees 99.99% availability. Leave the maintenance and security of the infrastructure in the hands of professionals and thus reduce your own liability and risk of data loss.
- **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.

## Contact



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## The enterprise-class backup solution

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