XOPERO
Backup&Recovery

CASE STUDY

Switching from Veeam to **Xopero SphereCyberX** – how the hospital reduced system recovery time from 12 to 1.5 hours?

ZOZ Jan Paweł II County Hospital in Włoszczowa is a medical institution serving hundreds of patients daily. The facility employs around 300 staff members and operates two server rooms (primary and backup), four VLANs, and eight hosts. The challenge was to ensure reliable, fully automated backups that minimize the IT team's workload while maximizing the security of the entire infrastructure.

Challenge: guaranteeing the integrity and continuity of medical systems

As a healthcare services provider, ZOZ Włoszczowa serves hundreds of patients daily, processing huge amounts of sensitive medical data. Protecting this data is crucial both for operational continuity and compliance with rigorous legal regulations governing the healthcare industry.

The organization faced challenges in:

- automating the backup process – the previous solution (Veeam Free) required manual verification of backups, creating a significant operational burden. Research shows that 32% of organizations admit that manual backup processes increase the risk of human error and reduce operational efficiency *(source: IDC)*.
- protection against cyber threats – ransomware is becoming an increasingly serious threat to healthcare facilities. **According to the European Union Agency for Cybersecurity (ENISA), 8% of all ransomware attacks in 2024 targeted the healthcare sector.** Additionally, the average cost of downtime following a ransomware attack in this industry is as high as $9,000 per minute *(source: Ponemon Institute)*.
- minimizing operational downtime – in the event of medical system failures, every hour of downtime poses a real threat to patient health and safety.

In response to the growing demands for IT infrastructure reliability, the hospital decided to implement Xopero Unified Protection – a comprehensive All-in-ONE solution for data backup and recovery, utilizing the modern and advanced spherical technology of **SphereCyberX.**

Why Xopero?

The hospital chose Xopero Unified Protection for its comprehensive automation, advanced security features, and the recommendation of **ITBIOTIC LLC**. The server architecture proved far more efficient than traditional tape libraries, which guaranteed high data availability even in crisis situations.

Infrastructure

A complex infrastructure encompassing endpoints, servers, virtual machines, and the Microsoft 365 environment, requiring a comprehensive approach to cybersecurity and backup.

Challenge

Protecting against data loss, safeguarding from ransomware, and ensuring business continuity in a medical facility.

Solution

Xopero Unified Protection
Model: M

Solution: Xopero Unified Protection and enterprise-level protection

To boost security and automate backup processes, the hospital implemented **Xopero Unified Protection**, supported by the innovative **SphereCyberX technology**. This solution enabled full automation of backup creation and testing, eliminating the need for manual intervention and increasing the IT infrastructure's resilience to threats. Thanks to **Triple-I technology (Immutable, Indestructible, Immediate)**, backups remain unaltered, resistant to deletion, and ready for immediate recovery in case of failure. These mechanisms protect data from modification and ransomware encryption, ensuring its integrity regardless of the type of threat. Xopero Unified Protection, as a complete hardware backup solution, is based on a server model, eliminating the need for tape libraries and physical media. This approach not only reduces storage costs but also increases flexibility and speed of data access in face of any crisis situations.

How Xopero secured the hospital from a potential disaster?

Two months after implementing the Xopero Unified Protection system, the hospital experienced a major failure – a power issue caused the servers to shut down, which led to damage to one of the key virtual machines. The standard VMware disk consolidation process would have taken 12 hours, threatening to paralyze the hospital's operations. Thanks to Xopero Unified Protection, the IT team opted for a quick recovery from a backup, which took only 1.5 hours – allowing the hospital to resume operations almost immediately. With the help of SphereCyberX and Triple-I technology, the Xopero system enabled instant data restoration from backup in just **1.5 hours**, fully restoring the functionality of critical systems.

> *"Xopero Unified Protection is a reliable tool that combines a high level of security, full automation of backup processes, and intuitive operation. This allows us to focus on key objectives, knowing that our data is always protected. It is a solution that truly simplifies backup management"*
>
> **- Piotr Szczepanowski**, IT Specialist at ZOZ Włoszczowa

Benefits of using Xopero Unified Protection

With Xopero Unified Protection, the hospital achieved full automation of backup processes, and eliminated the need for manual verification of backups. The system provides effective protection mechanisms against ransomware and unauthorized data access. Its implementation also minimized operational costs by enabling hands-free operation, requiring only periodic monitoring. The biggest advantage proved to be the rapid recovery of IT systems - rather than facing prolonged downtime, key services were up and running in just 1.5 hours.
An additional benefit was the integration of SphereCyberX technology, which introduced multi-layered data protection and full resilience against cyber threats. Thanks to these mechanisms, the hospital can be confident that its data remains intact, resistant to attacks, and accessible only to authorized users.

Summary

The implementation of Xopero Unified Protection with SphereCyberX technology allowed ZOZ Jan Paweł II County Hospital in Włoszczowa to achieve full backup automation, ransomware protection, and rapid data recovery. A power failure and virtual machine damage served as a test for the system, which proved its effectiveness by restoring full IT functionality eight times faster than standard recovery procedures.
Thanks to Xopero Unified Protection, the hospital can operate without worrying about cyber threats or system failures, ensuring that critical patient data remains fully protected against loss and unauthorized access.

Read the full Case Study here.

We'll help you select a solution for uncompromising data protection, perfectly tailored to your company's needs. **Schedule a demo** or try our **solution for free**.

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