

A man in a dark suit jacket, white shirt, and black bow tie is pulling open his shirt. The background behind him is a cloudy sky. The SEP logo is visible on the blue background behind his shirt.

SEP Hybrid Backup & Disaster Recovery

SEP sesam Hybrid Backup - the Hero of your Data

Successful companies and organizations
trust in SEP Hybrid Backup

Backwelt Pilz

SEP is selected as the backup solution for consolidated protection of a hybrid virtualized KVM environment and the integration of a Kopano email system into the Enterprise backup solution.

Backwelt Pilz is a manufacturer of innovative, high-quality freezer baked goods. The company's high standards are certified by the guidelines of the International Food Standard and the Austria Bio Garantie. Many of their products have both the AMA seal of approval and the AMA Bio label. Backwelt Pilz strives for product diversity and offers a wide range of product categories with a variety of recipes, sizes and shapes. Their product diversity creates a large amount of data and, therefore, a reliable IT infrastructure to support the business is essential. Pilz's IT infrastructure, which included KVM Hypervisors and Bare Metal Server, was maturing and needed to be updated. A central email system was missing and users were using different versions of different Email applications. For data backup, two different solutions that ran independently of each other were in place, which was not optimal for resources and would be problematic in the event of a disaster.

The objective was to obtain business continuity across the entire infrastructure and keep business-critical information available. The IT network needed to be centrally re-structured with the goal of increased flexibility, security and availability. The existing KVM VMs and the bare metal ERP Server was migrated to a Proxmox cluster for failover.

The email system was changed so that classic groupware features like common calendar and new E-Augmenting Teamwork Features (web meetings and ownCloud integrations) are available. Another requirement was that all users have the same mail clients and version. Everything should be under a central, unified backup solution that protects data, provides centralized management and fast granular restore, including Single Item Restore for groupware.

Successful implementation through SEP partner

Siedl Networks consolidated Backwelt Pilz's backup solutions to SEP sesam to increase simplicity of management and to improve data security. Siedl

Networks GmbH is a long-standing and experienced SEP partner that focuses on development of heterogeneous IT solutions using Open Source technologies and IT services.

Pilz's new solution is based on central storage Fujitsu ETERNUS DX100 and a server cluster with automatic failover consisting of two Fujitsu RX2530 M2. An existing Fujitsu RX300 was upgraded and reallocated as the central backup server and cluster Management Server. In order to ensure that the desired failover is achieved, the open source virtualization platform Proxmox was installed so that if one server fails the system is still in production. The existing Univention Corporate Server (UCS) was migrated and brought up to date.

The Zarafa groupware system and all of its data was migrated to Kopano and the Kopano Desk app was rolled out company-wide as the standardized email solution.



Markus Sitz, head of the Information Technology at Backwelt Pilz, together with Johannes Zöhler from Siedl Networks.

About Backwelt Pilz

Backwelt Pilz GmbH produces innovative, high-quality frozen bakery products in large quantities at competitive prices and is a profit- and growth-oriented company. Their company motto is "Quality is a matter p(rye)de" and so are the actions of the Backwelt Pilz. The company stands for professionalism, innovation, performance and reliability. Backwelt Pilz offers its customers a wide range of products from a single source. Due to a well-thought-out production process, they are able to produce products of consistently high quality and preserve their craftsmanship. Backwelt Pilz also offers packaging solutions tailored to each customer's needs. www.backwelt-pilz.com

Situation

Backwelt Pilz had an IT infrastructure with KVM hypervisor and a bare metal server. This infrastructure was aging and needed to be renewed. The services used were outdated and also needed to be modernized. Various versions of different email applications were in use without a central email client. For data backup, two independent backup solutions were in place.

Benefits

With SEP sesam, a central backup solution with unified management was implemented to improve data security and simplify administration. The new Kopano solution introduced a uniform email system that is centrally secured with SEP's Kopano agent. With the SEP agent, it is now possible to back up and restore individual Kopano items such as single emails or contacts. By leveraging the combination of Proxmox, SEP sesam, Kopano and Univention Corporate server, high standards of failover and data security have been established with a modern and flexible solution that can be centrally controlled and monitored with one program.

"The investment in the new hardware and software solution pays off every day and guarantees us security and flexibility for the future!"

explains Markus Sitz, head of the Information Technology at Backwelt Pilz.



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To improve data backup, many software agents from SEP sesam were used so that a complete, central solution can reliably back up and restore data when necessary. The SEP agent for Kopano allows users to restore individual items such as emails or contacts from the backup. The backup of data and databases are performed using Backup2Disk and Disk2Tape. The data is first written to a NAS storage system and then backed up to tape. For monitoring, the backup server is connected to Siedl Networks' monitoring system. In the event of a failure, Siedl Networks' technician team will be informed immediately and can quickly intervene. The combination of SEP Sesam, Proxmox, Kopano and the Univention Corporate Server created a robust failover and data security system that is centrally managed and easily monitored with one program.

With the upgrade of their IT infrastructure and consolidated data protection solution, SEP sesam, Pitz's data security has enormously increased. "The investment in the new hardware and software solution pays off every day and guarantees us security and flexibility for the future," explains Markus Sitz, head of the Information Technology at Backwelt Pitz.

Solution

The new solution consists of central storage and a server cluster with automatic failover. A Fujitsu ETERNUS DX100 and two Fujitsu RX2530 M2 are in use for hardware. The existing Fujitsu RX300 was reallocated as the central backup server and cluster management server. To achieve the customer's desired reliability, the open source virtualization platform, Proxmox, was installed. This will allow

a server to stay online and remain productive in the event of a server failure. The existing servers based on the Univention Corporate Server (UCS) were migrated and brought up to date. The existing groupware, Zarafa, was migrated to Kopano and the Kopano Desk app was rolled out company-wide. All groupware data was migrated to the Kopano system, allowing users to use their data as they did before. The central SEP sesam Backup/Recovery solution includes various software agents for Kopano, Microsoft SQL Server, MySQL, and MariaDB. Data and databases are backed up with SEP Sesam utilizing Backup2Disk and Disk2Tape procedures. The data is first transferred to a NAS storage system and then saved to tape. The backup server is connected to the backup monitor of Siedl Networks. In the event of an error, Siedl Networks' technician team will be informed immediately and can take rapid and targeted action

SEP sesam Products Implemented

- + SEP sesam Standard Server
- + SEP sesam Mail-/Groupware-Agent for Zarafa
- + SEP sesam Datenbankagent for Microsoft SQL Server
- + SEP sesam Remote Device Server (RDS)
- + 7 SEP sesam Backup Client
- + SEP sesam Datenbankagent for MySQL and MariaDB
- + SEP sesam Storagepool 5 TB

"Due to many years of experience with IT projects in heterogeneous environments, and the success of both the SEP and Univention technologies, we were able to optimally adapt and successfully implement the solution to customer-specific requirements,"

Johannes Zöhner, Settlement, Siedl, Consulting/Sales, Siedl Networks GmbH, SEP-Partner

SEP AG

SEP has been developing and selling enterprise-wide data protection solutions since 1992 and is headquartered in Holzkirchen near Munich. A branch office with support and sales team is also located in the USA. SEP has a strong partner network and relies 100 percent on resellers for sales. Customers in more than 50 countries include top-tier enterprises, market leaders in the healthcare and financial sectors, and leading universities.

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