

ISCSI and storage replication with Open-E DSS V7

Logistics provider renews infrastructure with Open-E, Fujitsu and Citrix XenServer

Challenges

DOM Kurier GmbH, a German logistics provider, required a comprehensive renewal of their IT infrastructure regarding performance and storage capacity. The existing storage and backup system was reaching its limits and used only one backup level. The primary goal was to significantly increase performance and to reach cost-efficient redundancy for backups.

Additionally, the solution had to be easily scalable in order to meet the company's growing demands.



Especially in regards to future implementations of cluster solutions - all components had to be easy to migrate and expand. Parts of the old system were planned to be implemented as a container for the backup level in the new setup. The network was also an important aspect of a proper implementation of the new components. It was clear from the very beginning that the existing structure was not able to fulfill all requirements of the planned infrastructure with only one subnet.

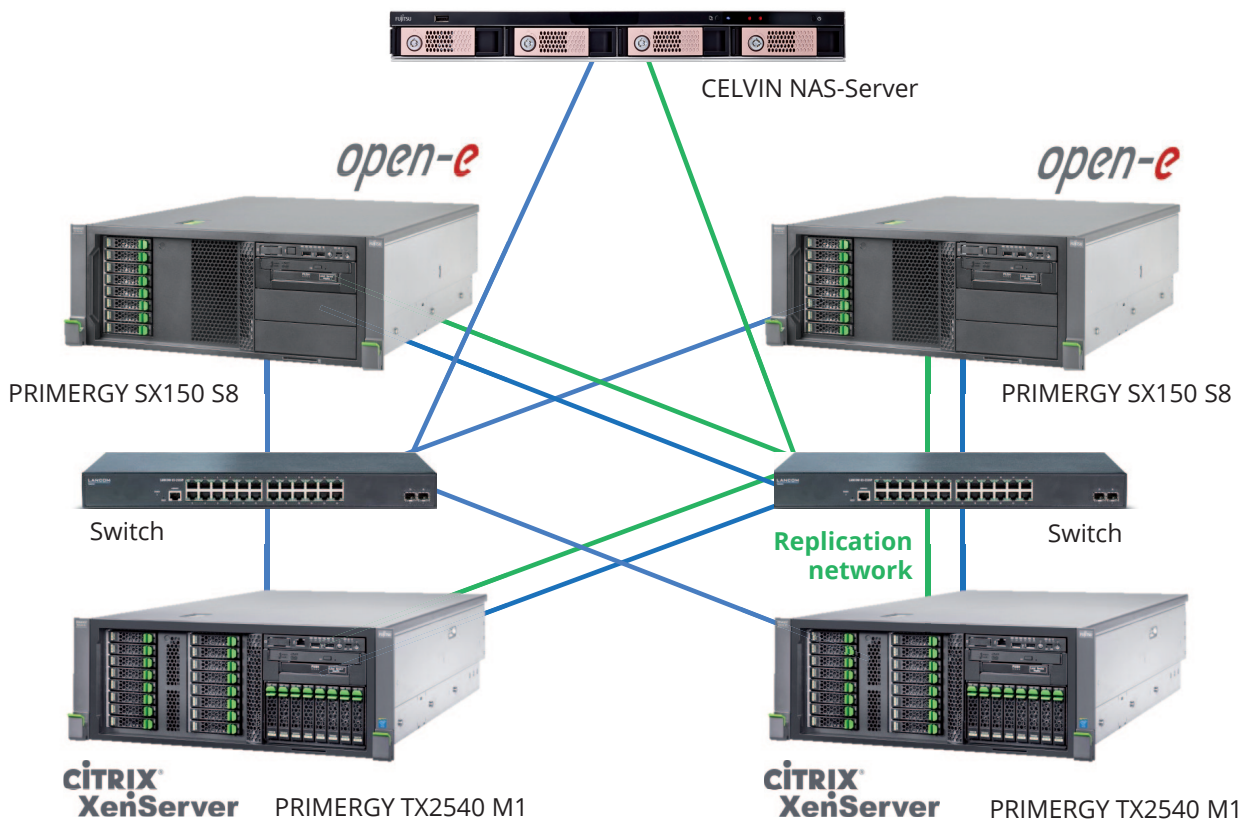
Solution

Project planning and implementation was executed with the help of A-H-S Computer, DOM Kurier's consulting system house who recommended Fujitsu PRIMERGY hardware for the setup. For virtualization, they used PRIMERGY TX2540 M1 systems, running on the latest version 6.5 of Citrix XenServer. PRIMERGY SX150 S8 storage systems were implemented for the main storage based on Open-E DSS V7. The new network was based on a switch by Lancom which is split into separate subnets with Vlans for additional processes. For software and replication levels the environment is now running on Open-E DSS V7, as well as Unitrends Virtual Backup Software. By accomplishing the new concept, A-H-S Computer was able to provide redundancy and cold stand-by functionality. The systems and all data are mirrored and secured to reduce downtime in case of short or long-term issues. The storage solution is also prepared for capacity extension and cluster functionality in both hardware and software matters, and can be easily adjusted with Open-E's proven workflows.

Hardware Setup

A-H-S Computer chose the latest hardware components by Fujitsu and Bytec for the storage environment, as they were tested to be used with Citrix XenServer and Open-E software. By delivering all services in one package and using a certified solution, no finger pointing and other problems are likely to arise. What is more, downtimes are kept low through support and on-site services in case of system failures.

Redundant storage systems with Open-E DSS V7



Benefits

Christian Oswald, CEO of DOM Kurier:

„The basic idea behind the new processes was the increased requirements that logistic providers needed to fulfill. To be able to meet the quickly changing demands of customers, we were looking for an infrastructure that supports the workflow of our staff and doesn't slow them down. This is why we need qualified IT partners who understand our needs and can convert them into operational structures immediately.”

About DOM Kurier

For more than 27 years, DOM Kurier GmbH is an established logistics provider and competitive company in regards to regional, national and international logistics services in Cologne, Germany. Apart from standardized transport, the company's portfolio also includes specific services such as direct and overnight delivery. DOM Kurier also offers advanced processing of warehouse and commissioning services in their own facility. More information on www.domkurier.de

About Open-E

Open-E is a well-established developer of IP-based storage management software. Open-E JovianDSS and Open-E DSS V7 are robust, award-winning enterprise storage applications which offer excellent compatibility with industry standards, and are the easiest to use and manage. Additionally, they are some of the most stable solutions on the market and undisputed price performance leaders. Open-E accounts for over 27,000 installations world-wide and has received numerous industry awards and recognition. Thanks to its reputation, experience and business reliability, Open-E has become the technology partner of choice for industry-leading IT companies. For further information about Open-E, its products and partners, visit www.open-e.com