Ensured Serenity with a scalable Open-E JovianDSS-based Solution

> **Viasit, a solution provider in the office furniture sector, is exclusively developing and manufacturing in Neunkirchen, Germany. However, its portfolio includes realizations all over the world. The environmental management of Viasit is certified according to EMAS, and it is a founding member of the German Design Council.**

Challenge

To face the constant growth in the production process and increased demand, Viasit required a reliable data storage solution to store the data safely. Additionally, there were several requirements to be followed:

- Continuous data accessibility (High Availability),
- Advanced data protection,
- Scalable data storage solution for the potential further expansions,
- Compatibility and certification with the VMware environment,
- Affordable price-performance ratio.

Additionally, the data had to be easily accessible for all the employees in order to simplify the company's workload without an expanded IT department with data storage specialists. The goal of Viasit was to focus on the core business of manufacturing

Customer Feedback

"Thanks to the proper configuration and implementation of the system, as well as the assurance that we will receive assistance in case of any difficulties, we sleep much better now. The software has ensured easy maintenance without unplanned downtimes, with simple accessibility to the data stored. In the event of any configuration issue, we always got very fast and professional support from both EUROstor and Open-E"

Thomas Weber, Head of IT at Viasit

Solution

To maintain all the challenges faced, Viasit has chosen EUROstor, a German hardware and storage solutions provider, based on their long-term experience with data storage implementations in the data storage market. In order to respond to the request for a flexible, scalable, and affordable solution, EUROstor has recommended Open-E JovianDSS to be used as the data storage software. The chosen solution consisted of two pools configured in a Single storage Shared High Availability cluster.

The two Open-E JovianDSS nodes were externally connected to the JBOD via Serial Attached SCSI (SAS) protocols. As one of the requirements of Viasit was the possibility to expand the system depending on the workload's growth, the solution implemented worked on the basis of a 2-way mirror redundancy level, consisting of a total of eight disk groups for starters. In the case of a capacity extension, the configuration allows the user to simply add up to 2 more disk groups, or simply to add an extra JBOD.

The system's capacity was suited to the customer's requirements. Considering the requested capacity of 12 TB of usable storage, the actual capacity is composed of 13,85 TB divided into two pools to provide the needed capacity. An additional benefit of the implementation was the proper Load Balancing thanks to the Active-Active cluster configuration, which ensures an increased speed of both performance and data availability.

Cluster Node 1   Cluster Node 2

Shared Storage

Technical details

Total capacity:	13,85 TB
High Availability:	Shared HA Cluster
Disk type:	Full-Flash SAS SSD
Hypervisor:	VMware
License:	Open-E JovianDSS
Features:	Standard HA Cluster Feature Pack
Support:	Premium Support

Hardware details

Motherboard:	Supermicro® X11DPH-T
CPU:	2x Intel® Xeon® Silver Processor 4215R
RAM:	192GB DDR4-2933 REGISTERED ECC DIMM (per Node)
Storage Raw Capacity:	13,85TB
Storage Controller:	Broadcom SAS Adapter (4 external ports)
Storage Device:	24 Slot JBOD with 16x Seagate Nytro 3331 SAS SSD, 1920GB
Storage Configuration:	2 Pools each with 4 Mirror VDEVs
Network interfaces:	4x 10 GbE RJ45 2x 10 GbE SFP+
Boot Medium:	2x SSD SATA (Mirrored - RAID 1)

Open-E Insight

This implementation will become one of the most desirable examples of Open-E and EUROstor cooperation projects in the manufacturing sector. In my opinion, High Availability and virtualized environment is the essence of any kind of data storage configuration that provides advanced data safety features and flexible management tools.

Krzysztof (Kristof) Franek, CEO of Open-E

open-e JovianDSS

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About Viasit

Viasit Bürositzmöbel GmbH was founded in 1980. The factory has been on the former site of the Neunkirch ironworks since 1991. In 2016, Viasit's turnover broke the sound barrier of 30 million Euros for the first time. Today Viasit is working on all continents and is an established player in the office furniture market. Viasit stands for innovative and practical furnishings for the workplace, living, and building equipment. The company is exclusively developing and manufacturing in Neunkirchen, Germany. Viasit has around 160 employees from 13 nations and achieves an annual turnover in excess of 30 million Euros. The environmental management of Viasit is certified according to EMAS. Viasit is a founding member of the German Design Council. Visit: **www.viasit.com**

About EUROstor

EUROstor has been a manufacturer of storage systems since 2004. Originally, RAID systems were produced. Today the largest part of the product portfolio consists of server-based systems that function as flexible storage servers and are tailored to customers' needs. The solutions range from small file servers and CCTV storage (video surveillance) to high availability storage clusters, scale-out clusters, and cloud solutions. EUROstor is based in Filderstadt near Stuttgart (Germany). Their customer base stretches across Europe and involves a wide variety of SMEs including universities, research institutes, and data centers. Visit: **www.eurostor.com**

About Open-E

Open-E, founded in 1998, is a well-established developer of IP-based storage management software. Its flagship product, Open-E JovianDSS, is a robust, award-winning storage application that offers excellent compatibility with industry standards. It's also the easiest to use and manage. Additionally, it is one of the most stable solutions on the market and an undisputed price performance leader. Thanks to its reputation, experience, and business reliability, Open-E has become the technology partner of choice for industry-leading IT companies. Open-E accounts for over 38,000 installations worldwide. Open-E has also received numerous industry awards and recognition for its product, Open-E DSS V7. For further information about Open-E, its products and partners, visit **www.open-e.com**

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