



## **Educational institution integrates High Availability Cluster with Open-E DSS V7**



The Duale Hochschule Baden-Württemberg Mosbach has been a customer of EUROstor since 2010 and has already bought several clusters from this manufacturer. As maintenance of such big educational site involves data services for approximately 230 employees and 3600 students, they required a centralized, High Availability storage system that provides iSCSI capacity for VMware servers.

As for High Availability, they were looking for a solution with separated storage cluster nodes, plus the system should be easily expandable and the initial configuration should be of 10 TB on high-performance hard disks. Additionally, the system should offer good performance for a good price, as well as high redundancy with replicated data.

OPEN-E DSS v. 

# Solution

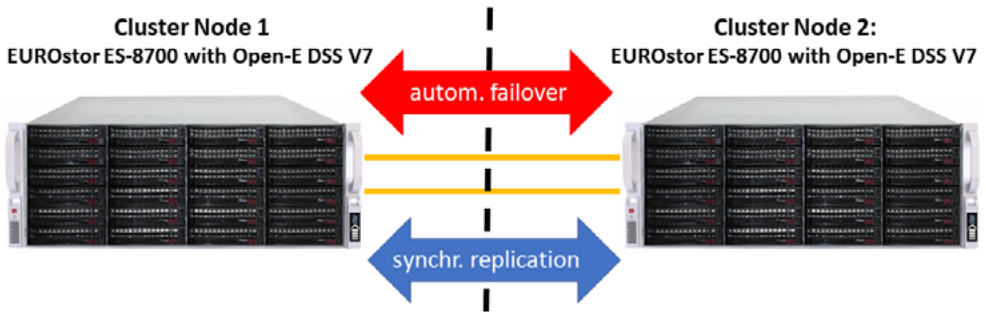
EUROstor has offered Duale Hochschule Baden-Württemberg Mosbach an ES-8700 cluster of two servers, with high-performance Areca RAID controllers and 10K hard disks. The Open-E DSS V7 storage software installed on it enabled synchronous data replication via a dual 10 Gbit Ethernet line to perform an automatic failover in case one of the nodes becomes unavailable. The system has been designed to be easily expandable so as to adjust to the rapidly growing amount of critical data. Thanks to this, 36-bay systems will be populated with 12 disks for the beginning which makes the expansion on the fly easy and uncomplicated.



## Configuration per Cluster node

Server	36-bay servers
Processor	Intel® E5-1650 v4 processor
RAM	32GB DDR4 RAM
Ethernet	2x 1GbE Ethernet RJ45 onboard 2x DUAL port 10GbE Ethernet SFP+ card
HDD	12x 1200GB SAS 10K HDDs per system
RAID	ARECA 1883 12Gbit RAID Controller incl. Cache protection by SuperCap
Software	Open-E DSS V7 License (Unlimited)

## Hardware setup



## Customer feedback

Hermann Römer, *Head of IT Services*

„We have chosen Open-E DSS V7 mainly because of our requirements for data replication combined with automatic failover for maximum availability of all data which in our case is a must. This software combined with great EUROstor solution is a guarantee that our IT environment has everything that's needed.“

# About Duale Hochschule Baden-Württemberg Mosbach

The Baden-Württemberg Cooperative State University (Duale Hochschule Baden-Württemberg, DHBW) is the first dual, practice-integrating university in Germany. Founded on 1 March 2009, it continues the dual principle of the former Berufsakademie Baden-Württemberg, which has been successful for 40 years. With more than 34,000 students and over 120,000 alumni, the DHBW is the largest university in the state.

With its campus in Bad Mergentheim, DHBW Mosbach has a very large catchment area in northern Baden and Württemberg. Around 3,600 students are currently enrolled at the DHBW Mosbach in the faculties of technology and economics. Together with around 1,000 partner companies, DHBW Mosbach has been training young academics according to the dual principle since 1980.

## About EUROstor

EUROstor has been a manufacturer of storage systems for more than 12 years. Originally manufacturing RAID systems, today the main part of the product portfolio are server based systems, acting as flexible storage servers, tailor-made for the customers' needs. Solutions range from small file servers and CCTV storage to high available storage clusters, scale-out clusters and cloud solutions. EUROstor, located in Filderstadt near Stuttgart (Germany), sells to professional end users all over Europe, SMBs, universities and research institutes and data centers.

More information on [www.eurostor.com](http://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 which offers excellent compatibility with industry standards, and is the easiest to use and manage. Additionally, it is of the most stable solutions on the market and 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 30,000 installations world-wide and has received numerous industry awards and recognition, also with its product Open-E DSS V7.

For further information about Open-E, its products and partners, visit [www.open-e.com](http://www.open-e.com)

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