



# BRANDGUARDIAN



Imagine you've created a great-looking brand identity, including a defined style for your brochures, case studies and, other marketing materials. Now you want to adjust all of your communications to follow a certain style. You need **tools to manage the creation processes**, control the workflow and, check if locally tailored materials meet your brand's overall standards. **Our work at Open-E also contains plenty of creative, marketing projects** and, we know how important it is to follow certain patterns to keep brand consistency. We have much appreciation for everyone who develops such **management solutions** and, we are proud our software supports a company that creates them!

**BRANDGUARDIAN® is a provider of software used to manage brand communication consistency on a worldwide level.** Their products let you organize the workflow, creation, and coherence between an overall brand identity. You can also control the marketing materials that are produced for different localizations and purposes. To store all their clients' data, **BRANDGUARDIAN® had to utilize robust data storage** and this is the point of the challenge growth.

*open-e* ∞  
JovianDSS

 STARLINE

# Challenge

**BRANDGUARDIAN®** has been working with a data storage system based on **Open-E DSS V7 (Open-E JovianDSS predecessor)**. The current configuration was already 8 years old, but still performing well! Simultaneously, the provider of the **one2edit™** software (one of the **BRANDGUARDIAN®** flagship products) wanted a new system to be set up alongside the already existing one, to meet the growing needs. This created a challenge Michael Lingg - **BRANDGUARDIAN®** IT manager - had to face. Happily, he wasn't alone. Together with Bernd Widmaier, an account manager from **Starline Computer** - they defined the key features a new solution should include:

- **High Availability Load Balanced Non-shared over Ethernet**
- **4-way mirror with 80 TB net capacity**
- **Storage operating system Open-E JovianDSS because of the ZFS foundation**
- **SSD Write Cache (ZIL) & L2ARC Read Cache**
- **Deduplication and thin provisioning**
- **Open-E JovianDSS Premium Support for 5 years (email, phone and remote)**
- **Starline Computer On-site Service Next-Business-Day for 5 years**

## Customer Feedback

*A highly available ZFS Non-shared cluster at this extremely competitive rate - coupled with coherent support options - were the deciding factors for us in choosing Open-E JovianDSS.*

Michael Lingg, IT Manager at **BRANDGUARDIAN®**

## Solution

A solution based on **Starline Computer High Availability Load Balanced Non-shared Cluster over Ethernet with a 4-way mirror** (net capacity of 80TB) was chosen. In terms of software, after a positive experience with Open-E DSS V7, **BRANDGUARDIAN®** opted for its successor - **Open-E JovianDSS**. The solution, based on **ZFS**, provided a wealth of features for efficient and secure storage of the data the company uses. The creation of **snapshots** and their **retention plans** helps to **avoid the consequences of a ransomware attack**. This, in turn, contributes to the continuity of work and raising reliability of the data storage. The use of mirror groups protects from data loss in the event of a disk failure. **High Availability** feature ensures that workflow remains uninterrupted when a single node fails. Also, the solution provided the company with **deduplication and thin provisioning**, as well as advanced write and read cache solutions (**ZIL and L2ARC**) using SSDs. Furthermore the support license ensures that in case of any configuration problems, our specialists will help to solve them.



## Open-E Feedback

*Consistency is a key to success - no matter if it relates to coherency of brand communication or integrity of stored data. Consistency is what lets us progress. We are proud to be a part of this project and we are convinced that the common sense of mission was the catalyst of this project, resulting in a robust data storage that supports our clients needs.*

Krzysztof (Kristof) Franek, CEO of Open-E

## Hardware details

<b>Server:</b>	Supermicro CSE-846BE1C-R1K23B
<b>CPU:</b>	AMD ROME 7252 CPU, 3.1GHz
<b>RAM:</b>	256GB RAM
<b>HBA:</b>	2x LSI SAS9500-16i
<b>Network interfaces:</b>	4x Broadcom P210TP, 10Gb Eth, 2x RJ-45 Copper, 4x Broadcom P210TP, 10Gb Eth, 2x SFP+
<b>Read cache:</b>	1x Seagate Nytro 3532 SSD - 800 GB
<b>Write log:</b>	400GB write-intensive enterprise SSDs used on both ZPools

## Storage configuration

<b>Licenses:</b>	2x Open-E JovianDSS Product License 0TB 1x Open-E JovianDSS Advanced Metro HA Cluster Feature Pack 2x Open-E JovianDSS 80 TB Storage Extension
<b>Features:</b>	Advanced Non-shared HA Cluster
<b>Support license:</b>	5 years Premium Support (email, telephone and remote)
<b>Storage configuration:</b>	32x TOSHIBA 3.5 LFF HDD, 10TB, 12Gb/s SAS, MG06SCA10TE (per node)
<b>First ZPool:</b>	4x 4-way mirror groups (4 disks per group) - located on the first node for load-balancing
<b>Second ZPool:</b>	4x 4-way mirror groups (4 disks per group) - located on the second node for load-balancing

# About BRANDGUARDIAN®

BRANDGUARDIAN® is an established software and technology provider for digital publishing and media management solutions, with offices in Germany, Ireland and USA. BRANDGUARDIAN® (formerly 1io) has been supporting companies with consistent and efficient marketing communication with one2edit™ since 1999. With Media Collaboration Technology (MCT) and the real-time file system CoFS, the company offers a highly innovative services infrastructure that enables a quantum leap in collaborative media production. Around 250 corporations and medium-sized companies use the solutions made in Allgäu, such as Henkel, Liebherr, Linde, Mercedes Benz, Microsoft, Mitsubishi, Porsche, Siemens, Sto and Voith. Find more information on [www.brandguardian.com/en/](http://www.brandguardian.com/en/)

# About Starline Computer

Starline Computer has more than 40 years of professional experience with data storage systems - having been in the storage and server business since 1982. We are one of the first companies to completely dedicate ourselves to storage and server solutions. This guarantees our partners a maximum of competence. Starline provides complete virtualization and storage solutions such as SAN, RAID, NAS, IP storage, servers, tape libraries and autoloaders, RAID controllers, FC switches, backup software, HBAs and more. Find more information on [www.starline.de/en/](http://www.starline.de/en/)

# 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](http://www.open-e.com)

## More information:

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