open-e

JovianDSS

Software Defined Storage: reliability, performance and scalability

Open-E JovianDSS is a ZFS- and Linux-based data storage software designed especially for enterprise-sized storage environments. With its unique features, the product ensures highest data reliability and integrity, and addresses the needs of enterprise users seeking a unified NAS and SAN solution with thin provisioning, compression and deduplication.

Open-E JovianDSS contains the following features that continue the Open-E legacy of proven performance and high reliability:

- **NEW!** High Availability
- RAM, SSD and HDD hybrid pool
- Thin and over provisioning
- Inline deduplication and compression
- Unlimited snapshots and clones
- Continuously consistent pool
- Self-healing mechanism
- Single, dual and triple parity
- Unlimited scalability

JovianDSS

#1 Most Stable, Robust & Affordable Data Storage Software & OS

Open-E JovianDSS Benefits

Highest quality for your mission-critical business needs with ZFS on Linux

True compatibility with commodity server hardware

Usable capacity license for mirrored arrays (RAID 10)

Easy-to-use WebGUI with intuitive navigation and scriptable CLI / API

Quick and professional support in your respective language by our selected partners

High Availability with dual controller and shared storage cluster

Proven reliability with over 27,000 installations in 100+ countries

Suitable for all High Availability storage setups

Open-E JovianDSS uses shared storage to provide unlimited options to architect HA storage environments. It is the answer to almost any storage requirement, either as a single node, a virtualized HA setup or a Big Data cluster environment. Benefit from a full-service, Software Defined Storage package which you can customize according to your needs.

Open-E JovianDSS Certified Servers

Open-E JovianDSS delivers Software Defined Storage which results in a wide variety of different hardware requirements based on performance range, capacity capability, and connectivity. To ensure compatibility and robust storage environments, all selected partners offer storage systems which are tested, benchmarked and certified by Open-E – for solutions that require exceptional security and redundancy, without compromising performance.

Available exclusively via Open-E's selected partners

The software, as well as all related licenses and support products, are only available through Open-E's most experienced partners. Each partner supports you with specially trained JovianDSS Certified Engineers. With this strategy Open-E ensures that customers are not only offered superior performance and usability by the product but also professional support by our trusted partners.

Open-E JovianDSS specifications

Specifications	Description
Version	Open-E JovianDSS 1.0
Base OS	Linux
File system	ZFS Copy on Write
Architecture	64-bit
Hardware recommendations	8 CPU cores, 64 GB RAM, HBA
Storage protocols	1 / 10 / 40 GbE iSCSI 1 / 10 / 40 GbE NFSv3 40 Gbit IP over InfiniBand
Data integrity and availability	ZFS 256-bit block level checksums Mirror (eq. RAID 10), RAID-Z1, -Z2, (eq. RAID 5, 6), -Z3 Asynchronous Replication
Data optimization and services	RAM, SSD and HDD hybrid pool Most recently used and most frequently used cache algorithm Self-healing mechanism Unlimited snapshots Unlimited clones (writable snapshots) Thin provisioning Over provisioning Inline data deduplication Inline compression
Management and scalability	CLI and professional WebGUI SNMP and Rest API Reference architecture of 500 drives and more E-mail notification
Supported configurations	Single node HA cluster for NFS and iSCSI (Feature Pack) Disaster recovery
Server OS supported	VMware, Microsoft, Citrix, RHEL, MacOS
Licensing and feature packs	Capacity license applies to Pool size **(not to mirrors, spares, log and cache)** Feature Pack: High Availability Cluster

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.

Open-E develops, tests and integrates its software with leading vendors:

Acronis adaptec by PMC AIC AMD areca ASUS ATTO Technology, Inc. Avago Technologies CHENBRO

CITRIX Dell Technology Partner EMULEX FUJITSU hp IBM intel Software Partner Mellanox Technologies Micron

QLOGIC SanDisk SEAGATE SOLARFLARE SUPERMICRO TOSHIBA Leading Innovation vmware