

Feature Pack Open-E DSS V7 with Avago Syncro® Solution

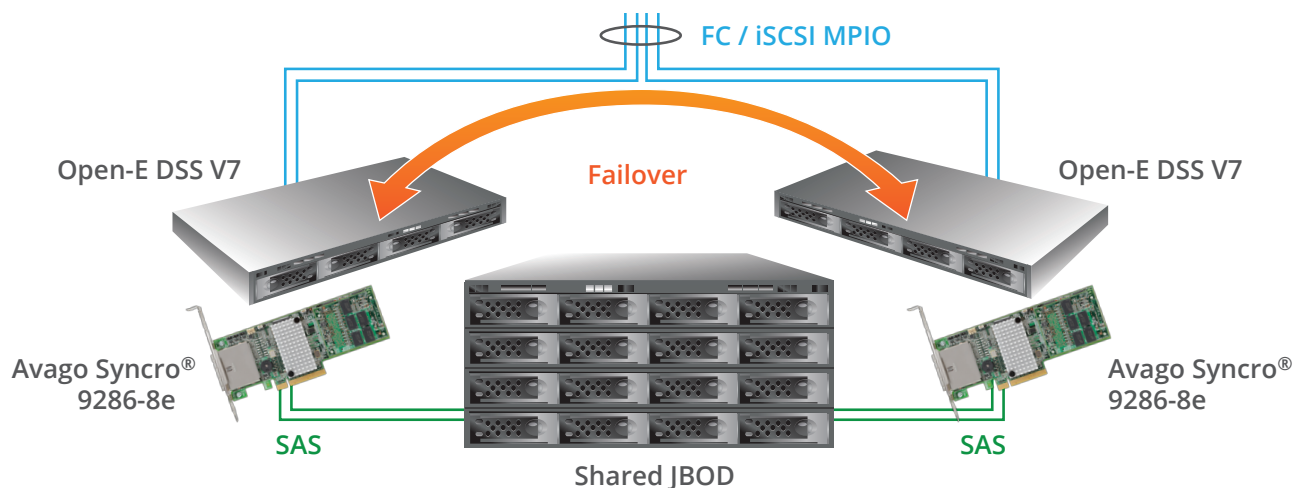
Open-E DSS V7 is well-known for offering exceptional hardware independence and compatibility in the storage market. For more than 15 years, Open-E has invested significant time and effort to apply new technologies into their products as soon as they are released – Avago Technologies Syncro® RAID Controllers being the best example. They allow the software to create active-active cluster setups with Fibre Channel or iSCSI Shared Storage.

The combination of Open-E DSS V7 software with Avago Technologies Syncro® High Availability and various hardware manufacturers delivers a powerful storage solution that offers many benefits to IT departments including enterprise-class failover, substantially lower implementation cost, high-class redundancy and easier system manageability.



Platform-independent storage clusters

By offering Open-E DSS V7 with Avago Technologies Syncro® Solution, white box builders can deliver a Fibre Channel or iSCSI active-active dual controller SAN for the first time, using rock-solid, field-proven and well-tested hardware RAID with SSD Cache. Such setups eliminate any single-point-of-failure while using all available components to accelerate throughput and IOPS per HDD. Additionally, up to half a petabyte of storage can be stored with a white box commodity server into an HA implementation, insulating their applications, operating systems, and data from server and drive failures.



Advantages of Open-E DSS V7 with Avago Syncro® Solution

- » Flexible storage solution for Fibre Channel and iSCSI environments providing high performance and low latency
- » Platform-independent: usable with commodity hardware
- » Doubled bandwidth through MPIO
- » Cost-effectiveness in hardware: both head nodes access all drives simultaneously
- » Power usage and heat generation reduced by 50%
- » Based on stable Open-E DSS V7

Product comparison

Open-E DSS V7 with Avago Syncro® Solution



When purchasing a new storage server, customers are surprised about the high ongoing costs for licensing. Subscriptions and maintenance fees can be so high that technically a new server can be bought each year. Open-E DSS V7 with Avago Syncro® Solution offers a compressed high availability solution and powerful alternative to overpriced Fibre Channel and iSCSI solutions.

Open-E DSS V7 Active-Active iSCSI Failover



The load balanced Open-E DSS V7 Active-Active iSCSI Failover is a different solution compared to other shared storage technologies. Two systems are connected via Ethernet and form a metro cluster for high availability between locations within a distance of 10 km. Combined with the option for read and write cache, the Open-E solution provides continuous workflow even in case of disasters.

Shared storage	Failover type	Metro cluster
Each volume shared and active on both nodes	Volumes	Active and a passive copy on each node for each volume
SAS	Disks	SATA and SAS
SAS Dual Expander	JBOD	SATA/SAS Single Expander
RAID level	Redundancy	RAID level – 2 copies of data
More efficient	Cooling & Electricity	Less efficient
Fibre Channel and iSCSI	Supported protocols in HA	iSCSI
Multipath on client side	Connection details	Any Ethernet network
SSD read cache	Caching options	SSD read and write cache
-	Additional protocols	NAS and Fibre Channel (only single node)

About Avago Technologies



Avago Technologies is a leading designer, developer and global supplier of a broad range of analog, digital, mixed signal and optoelectronics components and subsystems with a focus in III-V compound semiconductor design and processing. Backed by an extensive portfolio of intellectual property, Avago products serve four primary target markets: wireless communications, wired infrastructure, enterprise storage, and industrial and other. For more information, visit Avago's website: www.avagotech.com.

About Open-E DSS V7

Open-E Data Storage Software (DSS) V7 is designed for building and managing centralized data storage servers. The unified file and block-level operating system provides support for multiple 1GbE, 10GbE, FC or Infiniband network interfaces and offers NAS, iSCSI and Fibre Channel functionality in a single application. Open-E DSS V7 is a robust, award-winning enterprise storage application which offers excellent compatibility with industry standards, supports various hardware setups and is known to be the easiest to use and manage. Additionally, it is one of the most stable and secure solutions on the market, helping both SMB and Enterprise organizations to implement high-performing, yet cost-effective data storage systems.