

Open-E DSS Data Storage Server Automatic Failover

Continuous data availability and data protection through fault-tolerant systems – at no extra cost!

Systems go down, but business has to keep going. That's why IT organizations need fault-tolerant solutions that allow business processes to continue even when primary systems fall victim to technical failures, cyber-attack, fire or natural disaster.

Open-E Data Server Storage (DSS) offers the Automatic Failover capability as a feature of its versatile, all-in-one software for centralized IP-storage management, all at no extra cost! Because Open-E DSS provides integrated management for all your data – iSCSI, NAS, and Fiber Channel – you can provide fault tolerance for all your enterprise data through one easy-to-use solution.

About Open-E

Open-E IP-based storage management products are known throughout the storage industry for their best-in-class performance, reliability, scalability and ROI. The **Open-E DSS, NAS-R3** and **iSCSI-R3** line of products offer outstanding flexibility and value with the ability to support a variety of storage protocols, such as iSCSI, Fibre Channel or Infiniband, in either file or block data transmission.

Open-E works extensively with leading technology vendors, allowing system integrators to build affordable, scalable and secure storage systems on a variety of industry-standard hardware platforms.

Features

- Advanced features included at no extra cost
- Cost-effective solution reduces data loss and provides better business continuity
- Off-site/remote replication for disaster recovery
- High-performance Volume Replication over any distance
- Integrated replication for iSCSI, NAS and Fibre Channel storage
- Fast setup and easy-to-use console tools with secure administrator access and multiple management levels
- Snapshot backup capability for Volume and Data Replication
- Open-E DSS works with VMware, Virtual Iron and XEN, providing additional flexibility in a virtualized datacenter environment
- Replicate up to 256 4 TB volumes in 32-bit mode
- Scalable beyond 16 TB per Logical Volume in 64-bit mode
- Network adapter fault tolerant
- Adaptive load balancing with 10 GB Ethernet support
- Hardware and software iSCSI initiator and RAID support
- Online logical volume expansion
- SNMP
- E-mail administrator notification
- Uninterruptable power supply (UPS) support
- User and group quota support
- Antivirus server scanning
- Backup to tape and removable disk

Fault Tolerance, Fast and Simple

Open-E DSS Automatic Failover is simple and fast to implement. Fault tolerance is provided via iSCSI volume replication, that can be set up in just a few minutes to mirror target data volumes. Business data is copied in real-time and every change is immediately mirrored on the secondary storage server. In the event of a failure, scheduled maintenance of the primary server, or loss of the primary data source, Open-E DSS automatically switches operations over to the secondary storage server and business processes can continue as usual.

LEARN MORE

To find out more about Open-E DSS, go to www.open-e.com or contact us at 1-781-481-9399



Reliable Disaster Recovery

Open-E DSS Volume Replication and Automatic Failover enable quick, complete, reliable recovery of critical data in case of disaster. If the primary server fails for any reason, Open-E DSS Automatic Failover changes operations over to secondary storage and notifies the system administrator via e-mail.

Enhanced Data Security

Open-E DSS supports IP security (IPsec), a standard for securing IP communications, by encrypting and authenticating all packets. This provides extra security for the network layer to protect enterprise data as it is replicated and accessed from local or remote primary and secondary storage servers.

Integrated Data and Volume Replication

Open-E DSS offers both asynchronous Data Replication and synchronous Volume Replication, at no extra cost, to provide zero-data-loss protection for your critical company data. For example, when the system administrator is notified that automatic failover has occurred, they can immediately apply incremental changes from Open-E DSS Data Replication to bring the secondary data source right up to pre-failure state. The combination of these features lets you maintain multiple complete copies of data on remote servers over local area networks (LANs) or wide area networks (WANs) using the integrated replication technologies.

Easy to Set Up and Manage

Open-E DSS makes it simple to manage your NIC's for bonding, hardware RAID controllers via web access, and all your Fibre Channel, iSCSI and NAS volumes. The management interface is so easy to use that you can be set up and providing access for all your storage needs in minutes. Grouped functions are easily usable via a graphical user interface, and all features have detailed information and searchable help.

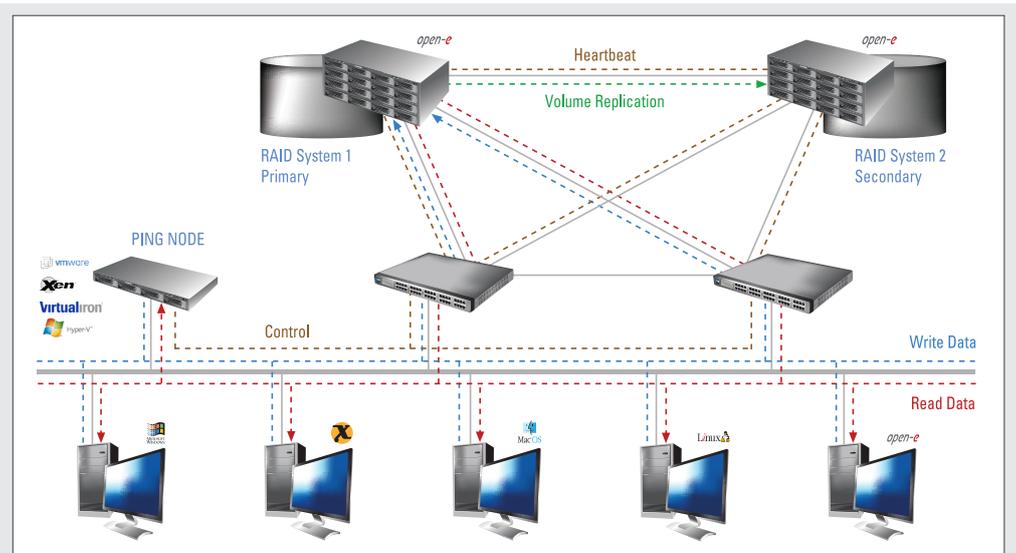


Figure 1 Open-E DSS with Automatic Failover

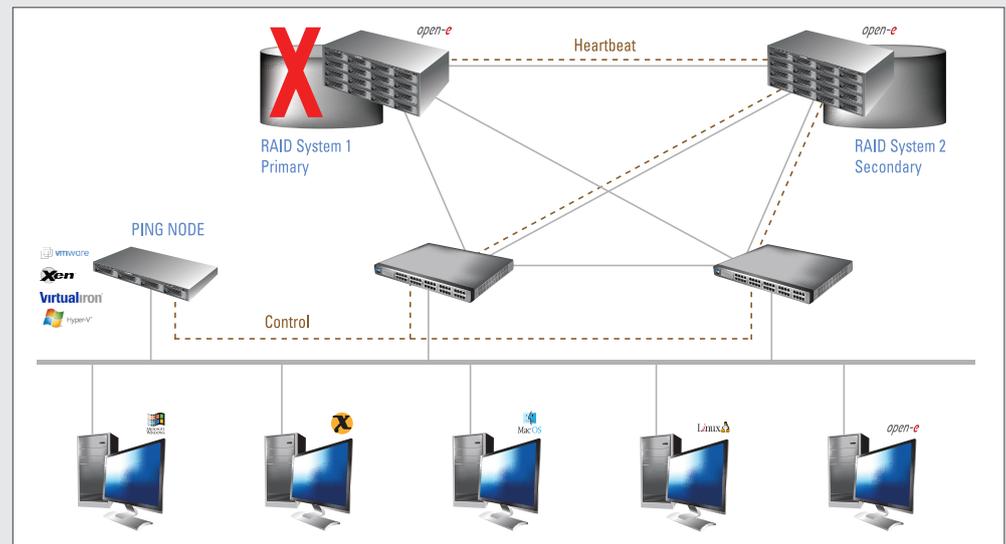


Figure 2 Open-E DSS primary server failing over to secondary server

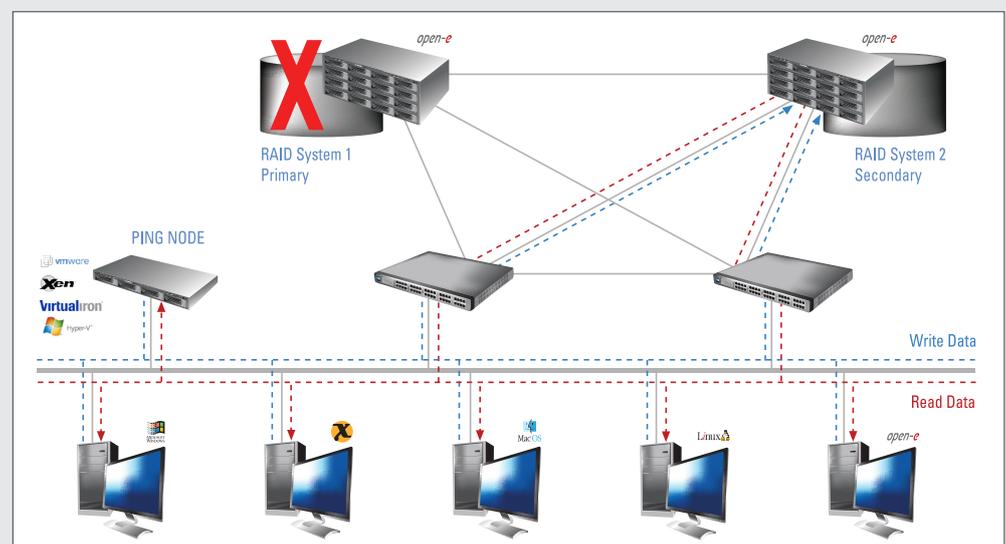


Figure 3 Open-E DSS Automatic Failover completed