

Open-E DSS Data Storage Server Data Replication

Affordable Data Replication from Open-E reduces business downtime.

Data loss and downtime hurts your bottom line, so protection for business data needs to be affordable, reliable and efficient.

Open-E Data Server Storage (DSS) offers enterprise-class Data Replication as a feature of its versatile, all-in-one software for centralized IP-storage management, at no extra cost! Because Open-E DSS provides integrated management for all your data - iSCSI, NAS, and Fiber Channel - you can quickly restore the data you need and resume normal operations after an interruption.

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 (IPoIB), 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
- Prevent data loss and ensure better business continuity
- Off-site/remote replication for disaster recovery
- Local disk-to-disk replication for high availability
- Integrated replication for iSCSI, NAS and Fibre Channel storage
- Easy setup and easy-to-use console tools with secure administrator access and multiple management levels
- Use with Open-E DSS Volume Replication and Automatic Failover for quick, complete, reliable recovery of critical applications
- Snapshot backup capability for Volume and Data Replication
- Open-E DSS works with VMware and Virtual Iron, providing additional flexibility in a virtualized datacenter environment
- 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
- Cross-data synchronization with Data Replication

Enterprise-Class Data Protection at no Extra Cost

Open-E DSS can be set up in just a few minutes to enable asynchronous file and folder replication from one storage system to another. The Data Replication feature of Open-E DSS periodically takes a point-in-time snapshot of the data, and then copies it to a target storage system. For efficiency, subsequent replications copy only files or folders that have changed since the previous snapshot.

Open-E DSS Data Replication can be run either locally disk-to-disk, as part of your backup strategy, or remotely via LAN or WAN, as part of your disaster recovery plan. You can set up tasks to replicate to many other systems, giving multiple redundant data points for backup or disaster recovery, and you can increase the volume sizes as needed to accommodate data growth. For maximum flexibility, data replication tasks can be run in two directions, each system can be a source and a destination, allowing cross-data backups on several systems.

Affordable, Efficient Backup and Fast Restore

Open-E DSS Data Replication can be used in conjunction with backups, to fully protect data while eliminating the costs of a dedicated backup server. Disk-based backup also offers faster and easier data restoration than tape-based backup systems.

Integrated Data and Volume Replication

Open-E DSS offers both asynchronous Data Replication and synchronous Volume Replication to provide zero-data-loss protection for your critical company data. For example, if your primary data server goes down, you can instantly switch to the secondary server, apply incremental changes from the Open-E DSS Data Replication, and then resume normal operations. 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, compared to days with other systems. Grouped functions are easily usable via a graphical user interface (GUI), and all features provide detailed information and searchable help.



LEARN MORE

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

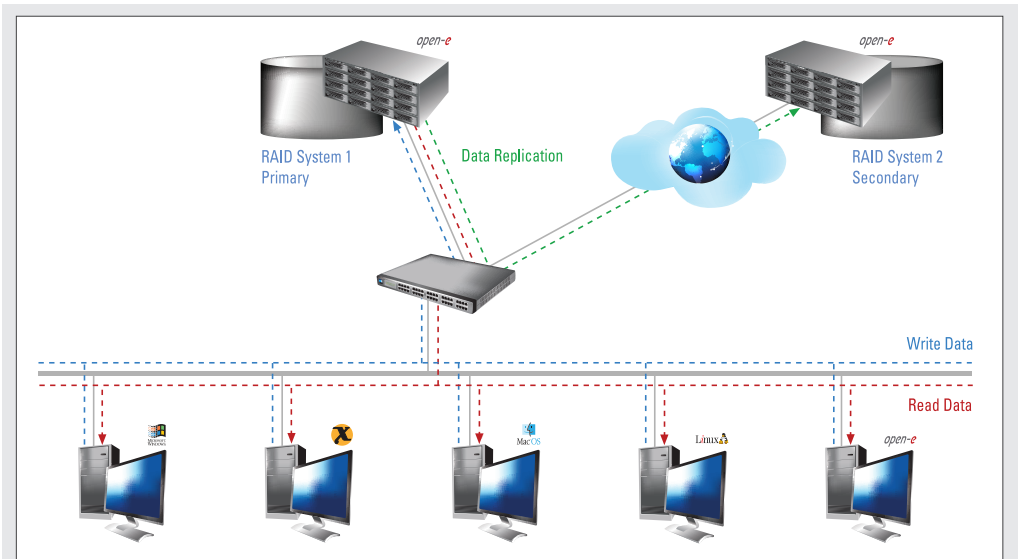


Figure 1 Open-E DSS Snap Shot Copy and Asynchronous Data Replication

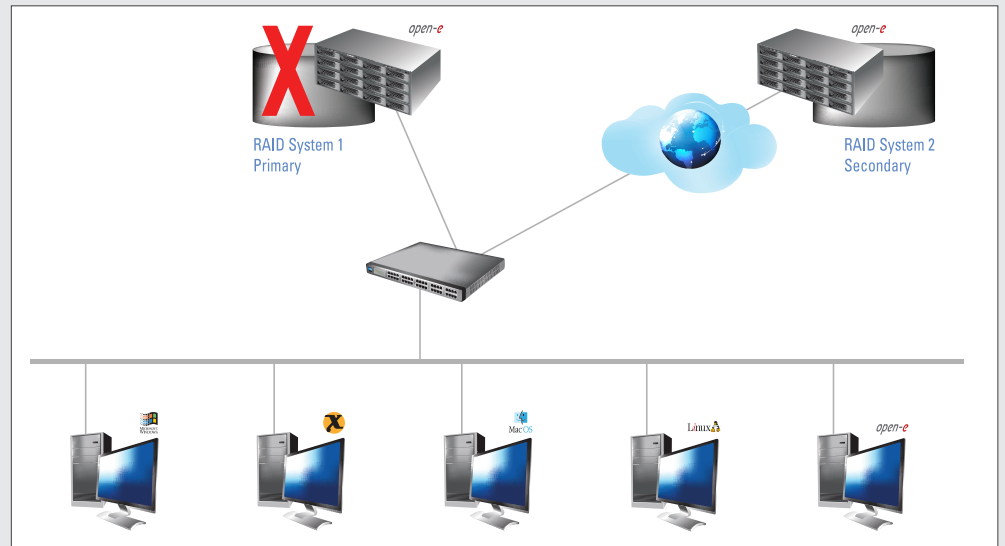


Figure 2 RAID System 1 Primary Experiences Failure

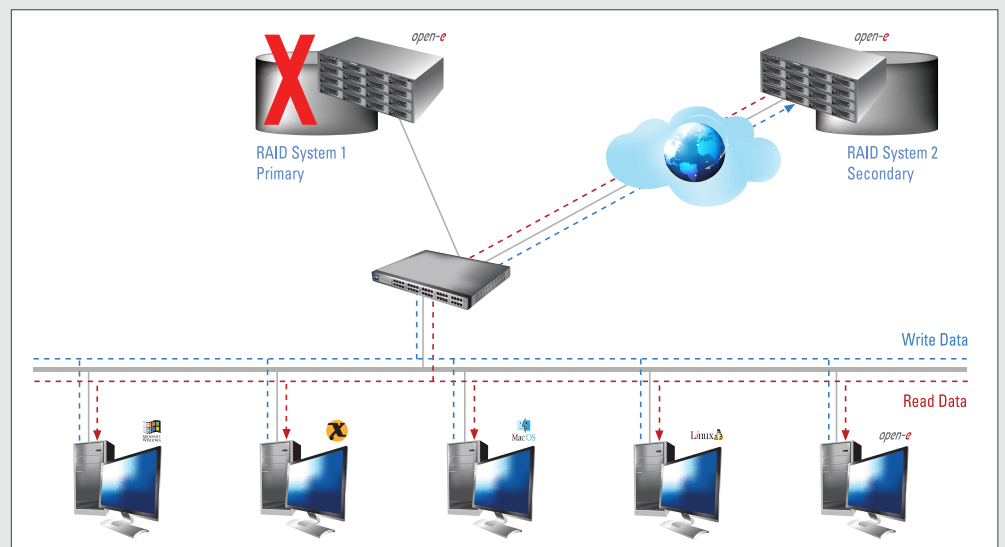


Figure 3 After Switching from System 1 (Primary), Data is Available on System 2 (Secondary)