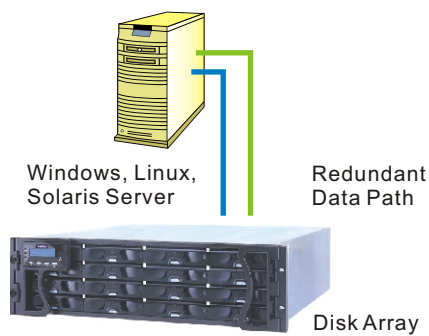


EonPath™

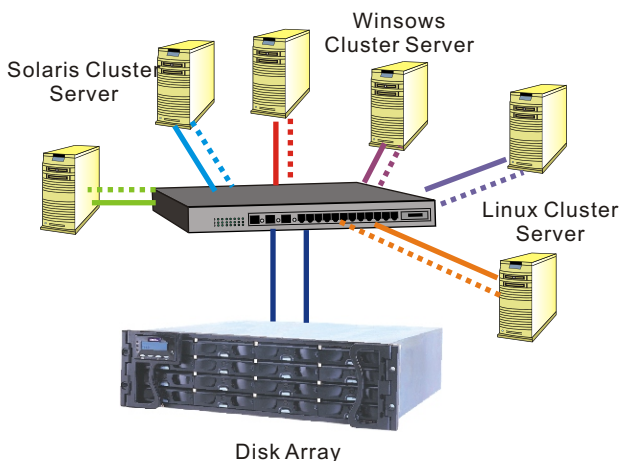
Including Support for Windows MPIO, Multipathing for Solaris and Linux

EonPath provides mutlipath IO function by recognizing and managing the redundant paths to an individual RAID volume. Greater reliability is achieved through the path failover mechanism in the event of cabling component failure. The EonPath also comes with load-balancing algorithms which help accelerate the throughput across host-storage data links. The EonPath works with most of Infortrend's EonStor subsystems featuring Fibre Channel, SAS, and iSCSI host interfaces and especially the latest ASIC400 series products for higher applicability and better throughput.

Basic Dual Path Redundancy Solution



Multi Data Path with Multi Server Solution



Package Availability

- EonPath Drivers for Solaris Platforms
- EonPath Drivers for Linux Platforms
- MPIO Device Drivers & DSM for Windows Platforms

Functionality

- Active-Active/Active-Standby Path Redundancy
- Intelligent Load-Balancing
- I/O traffic monitoring
- Multiple paths to RAID volumes (up to 32)

Key Benefits

Unlike complicated volume management software by 3rd-party vendors, the EonPath is simple and features an end-to-end association between storage devices and HBAs across a storage network. This simplicity reduces the risk of conflicting device identifiers often occurred with 3rd-party software. A storage device, e.g., a logical drive, appears to the EonPath through Infortrend's proprietary identifying methods and thus the configuration task is minimized.

Performance Enhancement

To maximize throughput between host and storage devices, EonPath is equipped with load-balancing algorithms which monitor I/O characteristics and intelligently distribute I/Os among all available data paths.

On the storage side, the corresponding ALUA (Asymmetric Logical Unit Access) methodology dynamically distribute I/Os through all available data paths on either or both of the embedded RAID controllers, and to the disk drives. In this way, all processing power and system resources are constantly put to the maximum use.

TPGS Implementation

TPGS stands for Target Port Group Service, also known as ALUA (Asymmetric Logical Unit Access). TPGS obtains I/O traffic status from the EonPath drivers and determines if I/Os should be equally balanced between data paths and thus making maximum use of the processing power of both RAID controllers. The methodology dynamically directs I/Os through the alternate data paths, through the back-plane, and to the hard drives.

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