drobo Elite™

DroboElite. The World's First iSCSI SAN That Manages Itself.

DroboElite™ offers the best data storage experience ever for small-to-medium businesses (SMBs) and departments looking to consolidate storage across multiple servers. As the most powerful and flexible Drobo platform to date, DroboElite redefines storage economics by delivering advanced features and performance usually reserved for more expensive solutions. Built on the award-winning BeyondRAID™ technology, DroboElite provides enterprise-level data safety and unprecedented expandability in a virtualized architecture that is both self-managing and self-healing. Dual iSCSI ports and significant performance enhancements deliver best-in-class performance ideal for consolidating storage or adding capacity to both virtualized and non-virtualized computing environments.

Multi-Host Connectivity
Have multiple servers that need storage? No problem. The DroboElite connects seamlessly to your existing TCP/IP network and utilizes the industry-standard iSCSI protocol to provide simple, consolidated storage for your servers.

Best-in-Class Performance
Why trade simplicity for performance? DroboElite is extremely simple to manage and delivers outstanding performance thanks to the revolutionary BeyondRAID technology that was designed to run efficiently on cost-effective hardware. Featuring advanced capabilities including multiple stream optimization and dual Gigabit Ethernet interfaces for high-speed iSCSI, DroboElite offers up to 50% faster throughput than the already blazing fast DroboPro.

Up to 8 Drives of Instant Expansion to 16TB and Beyond
Grow your storage to meet your data capacity needs with minimal effort. To add capacity, simply insert a new hard drive or replace your smallest drive with a larger one, even when all eight-drive bays are full. Unlike traditional RAID systems, the BeyondRAID technology found in DroboElite enables you to mix and match capacities, drive brands and speeds. This allows for continuous expansion as drive capacities grow. With DroboElite, expansion is automatic, instantaneous and access to data is always maintained.

Unparalled, instant expansion

No Headache Dual-Drive Redundancy
Enable the dual-drive redundancy option to protect against the simultaneous failure of up to two hard drives. It's all done with a single click, without ever losing access to your data. Running out of space? Just click to switch back to single-drive redundancy at any time. Unlike moving between traditional RAID 5 and RAID 6, there's no need to reformat or migrate data off of the array, potentially saving you hours or days of downtime.

Dual High-Speed iSCSI Interfaces
Unfamiliar with iSCSI? It's an industry-standard, high performance protocol that has become extremely popular with businesses, but it can often be complex to manage. DroboElite changes that by introducing zero-click iSCSI connection creation with optional LUN-level CHAP authentication for both Windows and Mac OS X.[1]

The Virtues of Smart Volumes™
Create new volumes in seconds and manage up to 255 volumes over time with ease. The innovative and timesaving Smart Volume management technology integrated into DroboElite allows volumes to pull storage from the common pool of drives rather than a specific physical drive allocation, eliminating the need to manage capacity at the volume level. Smart Volumes are also data aware, allowing deleted data blocks to be returned to the common pool and ensuring that volumes remain as efficient as possible over time.
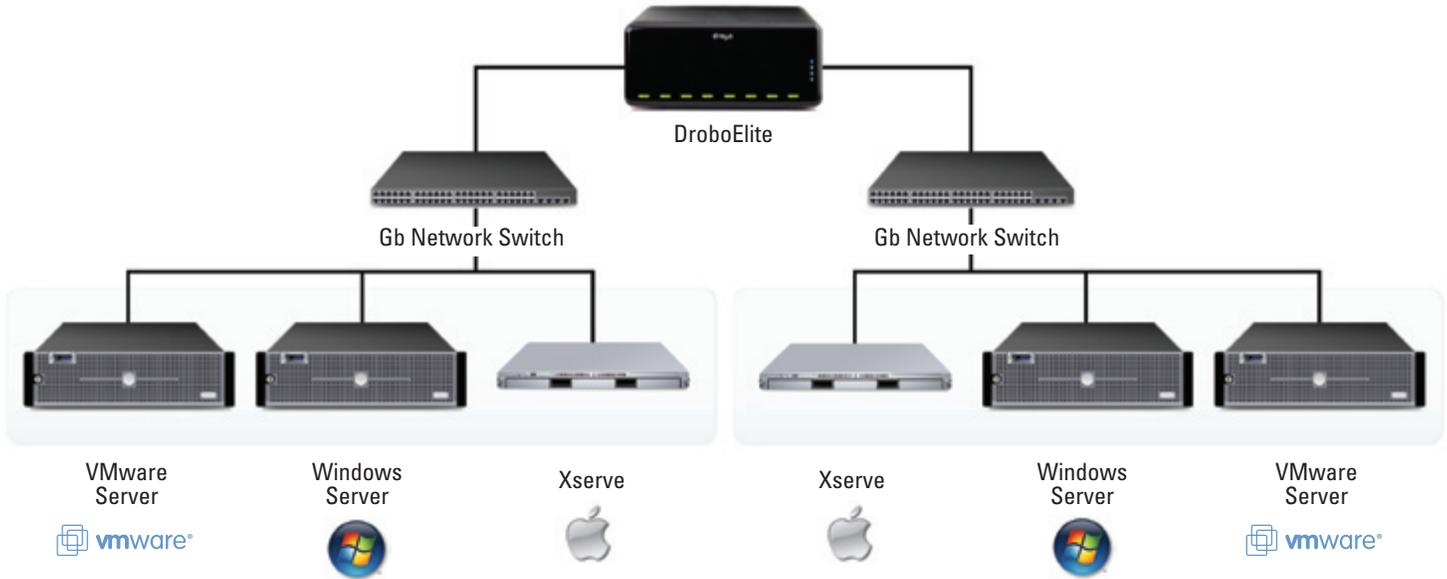
Simplify Your VMware Environment
Storage is an integral part of a successful virtualization strategy. DroboElite has been tested for use with VMware to eliminate risk from your storage decision and help accelerate deployment of your virtual server environment.

What is BEYOND RAID?

BeyondRAID leverages the same underlying data protection methodologies as traditional RAID, including mirroring and striping with parity; however, BeyondRAID applies these algorithms on top of a robust and flexible storage virtualization platform. This allows for the removal of the limitations and drawbacks normally associated with RAID.

Key benefits of BeyondRAID include:
- Data protection against hard disk failure
- Instant capacity expansion without downtime
- Self-management
- Automatic healing

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data robotics, inc.

drobo Elite™

Technical Specifications

DroboElite

Gb Network Switch   Gb Network Switch

VMware Server   Windows Server   Xserve   Xserve   Windows Server   VMware Server

vmware°   Windows   Apple   Apple   Windows   vmware°

The illustration above shows a sample deployment of DroboElite being used for consolidated storage in a mixed environment featuring both virtualized and non-virtualized host computers.

Specifications:

Drives:	Accommodates from one to eight 3.5" SATA I / SATA II hard drives of any manufacturer, capacity, spindle speed and/or cache. No carriers or tools required.
Interfaces:	2x iSCSI (utilizes Gigabit Ethernet) and USB (for management only)
Dimensions:	12.17" wide x 5.46" tall x 14.1" long Rack Mount (SKU: DRPR1R11) sold separately (3U high in a standard 19" rack)
Weight:	16 lbs. 3 ozs. (without hard drives or packaging)
Operating Temperature:	Operating temperature: 10°C-35°C (50°-95°F); Non-operating (storage): -10°-60°C (14°-140°F); Altitude (operating): 2,438 m (8,000 ft.); Operating humidity: 5% - 80%
Power:	180W internal power supply. Power-saving automatic hard drive spin-down option.
AC Voltage:	AC Input: 100/240 VAC, 1.8/0.75 A, 50/60 Hz
Cables Included:	2x Ethernet (1 x 6'), USB 2.0 (1 x 6'), and power (1 x 6')
Software:	Drobo Resource CD with Drobo Dashboard application (Windows and Mac OS X), help files, and electronic documentation
File System Support:	NTFS, HFS+, EXT3, and VMware VMFS
System Requirements:	Microsoft Windows XP (Service Pack 3), Vista (Service Pack 1), Windows 7, Server 2003, and Server 2008; Apple Mac OS X 10.5.6 or greater and OS X Server 10.5.6 or greater; Linux using EXT3[3]; VMware ESX / ESXi 3.5 or VMware vSphere 4

[1] iSCSI support for Windows utilizes the Microsoft Windows iSCSI Initiator. For OS X, Data Robotics provides an iSCSI initiator in Drobo Dashboard.
[2] Volume size may be limited by the host.
[3] Linux support currently in Beta.
Note: Hard drives are sold separately and are not included.

(Rack Mount sold separately)

Rev 0911