EtherDrive® VSX3500
Ethernet SAN Virtualization Appliance
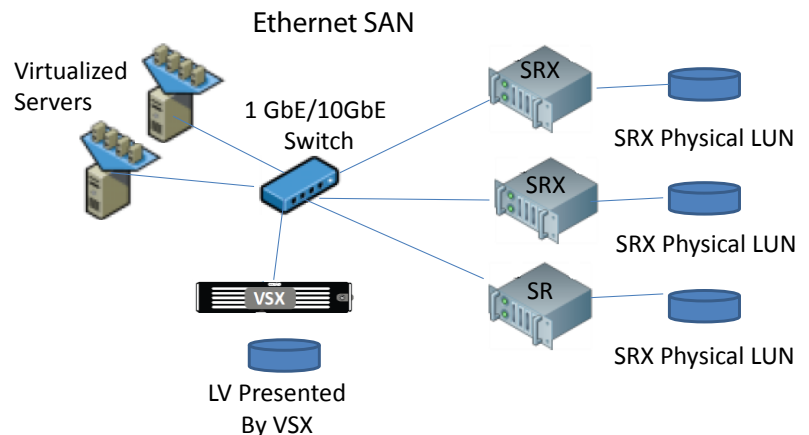
Key Features and Benefits

- Ethernet SAN virtualization appliance, provides volume management for EtherDrive SAN storage

- Aggregate pools of EtherDrive SR/SRX LUNs together to form small or large virtual LUNs up to 512TB

- Each VSX can manage up to 4080 virtual LUNs

- VSX can create up to 255 copy-on-write snapshots per virtual LUN

- Snapshots can be cloned by VSX and used as read/write copies

- VSX can synchronously mirror logical volumes to create a High Availability (HA) storage system with true No Single Point of Failure

- For disaster recovery scenarios the VSX supports asynchronous remote replication

- Supports 1Gb and 10Gb Ethernet

Coraid EtherDrive VSX3500 brings networked storage virtualization intelligence to your Ethernet storage area network (SAN). With VSX3500 you can now centralize and streamline logical volume management (LVM), snapshots, clones, and remote replication across your enterprise — quickly, and easily.

VSX Logical Volume Management

VSX logical volume management provides a higher-level virtualization of Coraid's EtherDrive SR/SRX Series arrays connected to an Ethernet SAN than the traditional view of disks and partitions. VSX3500 gives system administrators more flexibility when allocating storage for physical or virtualized servers.

Mirroring / Remote Replication

For applications that require high availability, data from one EtherDrive storage appliance can be synchronously mirrored to another to protect against whole array failures. Mirroring creates a simultaneous, exact duplicate version of a physical volume (PV) to a local designated EtherDrive storage LUN target. For disaster recovery scenarios the VSX also supports asynchronous remote replication[1].

Snapshot & Clones

The snap command creates a read-only logical volume (LV) of the data at that exact point in time (snapshot). After the initial snap, subsequent snaps copy only the modified data. Snaps consume less storage space and are faster than a traditional copy for periodic backups.

The clone command creates a read/write LV similar to a snap shot. Creating the clone require no new storage space. After the clone is created, subsequent writes to the clone uses available disk space and the clone size grows. Clones consume less storage space and provision instantaneously compared to copying LUNs.

VSX3500 Specifications	
Form Factor	2U chassis
Supported storage arrays	EtherDrive SR Series and SRX Series
Virtual LUNS	Each VSX can support 4080 active virtual storage LUNs up to 512TB
Snapshots	255 Snapshots per virtual LUN
Management	Command Line Interface (CLI) for set up. Syslog output for alarms.
Network Interface	VSX3500-G—6 x 1GB Ethernet ports VSX3500-C2— 2 x 10GB CX4 Ethernet ports VSX3500-C4—4 x 10GB CX4 Ethernet ports VSX3500-SR2—2 x 10GB SFP+ ports VSX3500-SR4—4 x 10GB SFP+ ports
Additional Ports	2— 1Gb Ethernet ports (WAN ports) 2—PS-2 for keyboard/mouse 2 —USB for keyboard/mouse 1— serial port 1— VGA
Power Supply	700W, 110-240V, 50-60 Hz, Redundant hot swap power modules
Cooling Fans	3 hot swap fans
Dimensions	3.5″ high x 17.2″ wide x 17.7″ deep (89mm x 437mm x 450mm)
Weight	35 lbs (15.9 kg)
Operating Temperature Rang	10-35°C (50-95°F)
Non-Operating Temperature Range	-40 to +70°C (-40 to 158°F)
Humidity Range	8-90% non-condensing
Non-Operating Humidity Range	5-95% non-condensing
OS Support	Vmware ESX/ESXi 3.5 4.0 and 4.1 Windows Server 2003 (32 & 64 bit) Windows Server 2008 R2 (64 bit) OpenSolaris 2009.06 Oracle Solaris 10 RedHat Enterprise 5 (64 bit) CentOS 5.4 (64 bit) Citrix XenServer 5.6.0 Linux Kernal 2.6
Support Plans	eSupport Service Plan 24x7 Service Plan Zero Hour Support Service
Warranty	36 Month

1. Ethernet gateway appliance needed for WAN connection

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