Coraid ZX-Series

High-Performance Network Attached Storage for Coraid EtherDrive™

Coraid ZX is a family of NAS servers that combines an innovative and feature-rich file system with scale-out, massively parallel Ethernet SAN technology.

High Performance NAS

Coraid ZX leverages the open storage architecture capability of Coraid EtherDrive to bring together two best-of-breed systems – a high performance file system that can scale to a Zettabyte of storage and scale-out block storage infrastructure that offers simplicity and flexibility at a fraction of the cost of Fibre Channel storage.

Coraid ZX is a modern, feature-rich NAS appliance based on the Zettabyte File System (ZFS) and designed to work with Coraid EtherDrive block storage. Coraid ZX is ideally suited for public and private cloud environments, video and big data applications, where rapid scalability, ease of use and flexibility are important in a file-based storage system.

Leveraging a shared pool of elastic block storage, the ZX-Series protects sensitive data and maximizes storage efficiency for public and private clouds at a fraction of the cost of legacy solutions.

Administrators can easily deploy a pool of block storage within minutes, which can then be carved up and used by any number of front-end applications and file systems.

Scaling a ZX-based storage system is as simple as adding more EtherDrive SRX shelves for capacity. The use of Layer 2 Ethernet to connect storage shelves to Coraid ZX appliances obviates the need for complex, error-prone setup, configuration and multi-pathing.

Coraid ZX3000

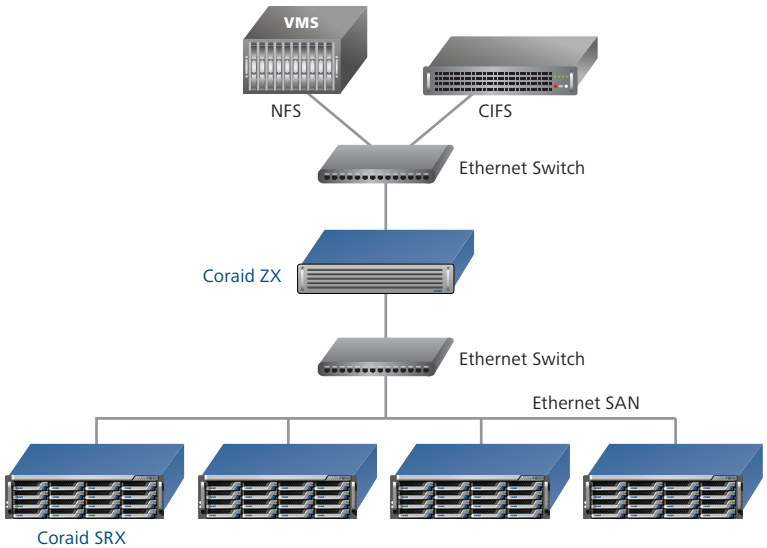
The ZX3000 storage appliance is redefining storage for enterprises, with performance, efficiency, and seamless expansion to meet growth needs. ZX3000 can expand up to multiple Petabytes, and supports Hybrid Storage Pools that can be configured with up to 1200 GB of read-optimized cache for enhanced application performance.

By using the highly scalable Ethernet SAN technology in conjunction with a best-in-class NAS offering, customers can deploy a unified storage solution that addresses a broad set of use cases and applications. The ZX storage solution is capable of serving NFS and CIFS data over multiple 1 GbE or 10 GbE links and features remote replication, snapshots, thin provisioning, data compression and in-line deduplication.

ZX provides unprecedented flexibility and is easier to scale, higher performing and less expensive than legacy NAS solutions.

KEY FEATURES AND BENEFITS

- NFS and CIFS file protocols allow secure data sharing between Microsoft Windows, Linux, and UNIX environments
- Thin provisioning, data compression and in-line deduplication
- Snapshots, clones, and remote replication
- Hybrid Storage Pools enabling an optimized storage hierarchy with DRAM, flash cache, and HDDs
- Seamless multiprotocol integration and secure data sharing between Microsoft Windows, Linux, and UNIX environments
- Optional clustered NAS front-end support for high availability applications



Grow capacity by adding appliances to the network

Coraid ZX-Series Specifications

Features	File system	Powered by Oracle Solaris ZFS (128-bit addressability)
	File-level protocol	NFS and CIFS
	Thin provisioning	Allows storage capacity to be easily allocated, on a just-enough and just-in-time basis.
	Hybrid Storage Pools	Optimized storage hierarchy with pools of storage containing DRAM, flash cache, and disk drives
	Data compression	When a data block can be compressed to fit into a smaller block size, the smaller size is written to the disk to use less storage and improve IO throughput
	Data deduplication	Inline, block-level deduplication
	RAID	Striping, mirroring, triple-mirroring, single-parity RAID, double-parity RAID, triple-parity RAID, wide stripes
	Remote management	SNMP and IPMI
	Snapshots	Read only, restore
	Directory services	NIS, AD, LDAP
	Data integrity	Checksum data and metadata
	Network services	NTP, DHCP, SMTP
	Local replication	Replication within same ZX Storage Appliance configuration
	Clones	Writable snapshots
	Remote replication	Replication from one EtherDrive ZX-Series Storage Appliance product to another. 1:N, N:1, manual, scheduled, continuous
	High Availability	Integrated high availability NAS solution with automatic failover
Architecture	Processor	2x 4-core 2.4 GHz Intel® Xeon® E5 Processor
	Main memory	96 GB
	ZFS Intent Log (ZIL)	8 GB mirrored (2 x 8 GB RAM drives)
	Read Optimized Flash	400 GB standard (up to 1200 GB supported)
Interface	Network Interface	4x 1000/10000 RJ45 Base-T
	EtherDrive SAN Interface	ZX3000-G4: 4x1GbE ZX3000-S4: 4x10GbE SFP+ ZX3000-R4: 4x10GbE RJ45
Environmental	Operating temperature	5° C to 35° C (41° F to 95° F)
	Non-operating temperature	-40°C to 70°C (-40°F to 158°F)
	Operating relative humidity	10% to 90%, non-condensing
	Non-operating relative humidity	Up to 93%, non-condensing
	Operating altitude	Up to 9,840 feet (3,000 m) maximum ambient temperature is derated by 1° C per 300 m above 900 m
Power	Power supply	Dual-redundant, hot-swappable power supply
	Maximum output power	600 W
Physical Dimensions	Height	42.6 mm (1.7 in.), 1U
	Width	436.5 mm (17.2 in.)
	Depth	737.0 mm (29.0 in.)
	Weight	16.4 kg (36.1 lbs.)
Support	Support Plans	Advanced Service Plan for 1 year, 3 years and 5 years, including warranty

About Coraid

Coraid is redefining storage with its breakthrough line of EtherDrive storage solutions. EtherDrive delivers scale-out performance, Ethernet simplicity, and an elastic storage architecture to handle massive data growth. Designed from the ground up for virtualization and cloud architectures, Coraid solutions have been deployed by more than 1,500 customers worldwide. For more information, visit www.coraid.com.

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REDEFINING STORAGE

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