

The Coraid SR transforms commodity hardware into efficient Ethernet block storage appliances using standard Ethernet networking for scalable, high-performance, and affordable storage.

Key Features and Benefits

- Compatible with 4K Advanced Format, SAS, SSD, or SATA disks
- Turn commodity or Coraid hardware into high performance Ethernet block storage without TCP/IP overhead
- 10x price/performance advantage over Fibre Channel and iSCSI
- Unlimited scale-out storage capacity and IOPS performance (>65,000 appliances per network)
- Supported natively in Linux; VMware HBAs are available
- Provides JBOD or RAID 0, 1, 5, 6, or 10 with multiple automatic global spares
- Mix SAS, SSD, and SATA disks within the appliance to match LUN capacity and performance to meet the needs of any application requirement
- Simplified installation, updates, and management command set
- Free email business hours technical assistance from Coraid engineering team included with annual license; Weekend or 24x7 phone support available

Flexible

Coraid SR provides the intelligence to enable simple management and RAID. By pooling large groups of drives, Coraid makes disks appear local to your Linux or VMware ESXi servers. Wherever you use a disk drive, you can use Coraid.

There is no need to learn complicated networking technology like Fibre Channel. Just add hardware to the Coraid SR and you'll have all the performance and space your servers need.

Efficient

The secret to Coraid's performance is in the protocol: ATA-over-Ethernet (AoE). This lightweight, secure protocol allows hardware to perform at maximum capacity by sitting directly on top of the Ethernet layer. Because it's not "routed,"

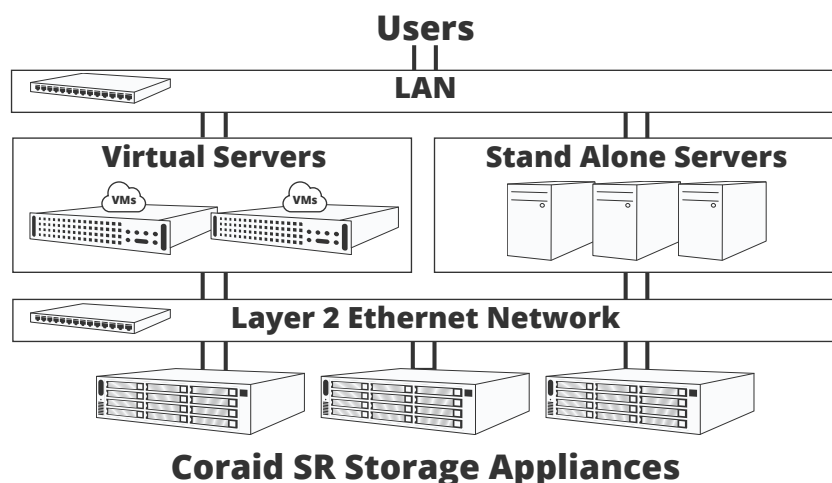
there is no need for bulky IP, TCP, or iSCSI layers to slow down your data.

Cost Effective

By separating hardware from software and using standard Ethernet, Coraid gives you the freedom to purchase hardware whatever way works best for your situation.

This may mean using hardware you already have in your data center, purchasing used, buying commodity hardware directly from the manufacturer, or ordering pre-assembled boxes from a third party familiar with your needs.

No matter where you find hardware, turn it into high-performance Ethernet block storage with Coraid SR.



HBAs

Coraid Host Bus Adapters are available for VMware. Linux supports AoE natively. Therefore popular Linux distributions such as Red Hat or Ubuntu do not require an HBA.

Support

Free email, business-hours support from the Coraid engineering team is included with a yearly Coraid license. 24x7 phone support is available at an additional fee.

About Coraid

Coraid is a brand of storage appliances developed by SouthSuite, the fourth company founded by Brantley Coile, inventor of the PIX Firewall, Network Address Translation, and the ATA-over-Ethernet protocol. Coraid, now under the SouthSuite umbrella, is developing ATA-over-Ethernet appliances for the next generation of data centers.

Quick Specs

Disk Drives	All SSD, SAS, and SATA, including 4K Advanced Format.
Capacity	Coraid is a software-only product and therefore imposes no capacity restrictions. Storage capacity is determined by disk choice, and users can upgrade to a larger disk capacity as they become available at for no extra charge.
RAID	JBOD or RAID 0, 1, 5, 6, or 10 with multiple automatic global spares.
LUNs	Disks inside the Coraid storage appliance can be accessed individually (JBOD) or aggregated into one or more RAID LUNs.
Management	Simple Command Line Interface (CLI) enables administrators to provision, configure, and monitor Coraid SR storage appliances.
Support Plans	Business hours email support included. Optional weekend email or 24x7 phone support plans.

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