



ENTERPRISE STORAGE



THE DELL/EMC CX3 AND DELL AX4-5 STORAGE FAMILY

SIMPLIFYING IT

Dell/EMC CX3 and Dell™ AX4-5 storage arrays help simplify your storage IT with scalable performance and expandability, non-disruptive software upgrades, and seamless data migration without disrupting your applications. Keep your customers up and running while managing their data growth needs. All at the same time.

THE DELL DIFFERENCE

MAXIMUM AVAILABILITY

Our systems are designed to keep your data safe and accessible, when you need it and where you need it.

FLEXIBLE CONNECTIVITY

You choose the network interconnect that is right for your environment—Fibre Channel for performance or iSCSI over ubiquitous, cost-effective IP networks.

ADVANCED DATA MANAGEMENT

Protect your data with point-in-time snapshots or easily migrate data from one array to another with optional data management software.

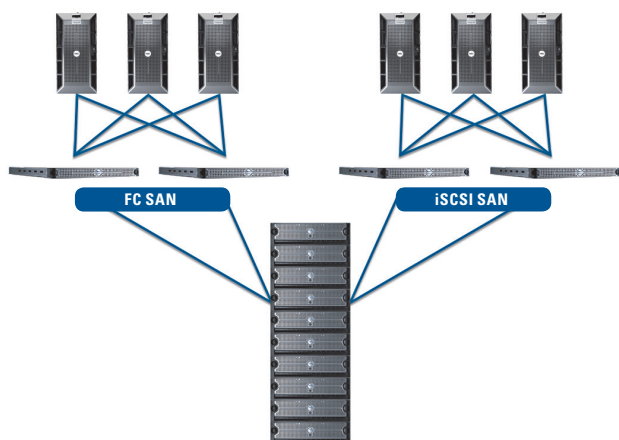
PLAN FOR THE LONG TERM

Our systems scale from four drives up to 480. CX3 arrays can be upgraded to larger, higher performing models.

BUILT TO LAST BUILT FOR VALUE BUILT FOR FLEXIBILITY

The unique Dell/EMC partnership brings to the market storage systems featuring a common, high availability architecture that spans a broad range of storage solutions serving work group to data center environments. Dell/EMC's CX3 arrays can scale from five disk drives all the way to 480 without having to move data from their original hard drive. The Dell AX4-5 arrays offer an intuitive user interface that simplifies operation to allow users to quickly allocate new capacity.

A TYPICAL MULTI-FABRIC SAN CONFIGURATION



SCALABLE ENTERPRISE-CLASS STORAGE

The Dell/EMC CX3-80 and CX3-40 arrays target the heart of the modular storage market. With 16GB and 8GB of mirrored cache, respectively, these arrays deliver exceptional performance for large database and heavy I/O application needs. The Dell/EMC CX3-40 offers both FC and iSCSI connectivity and can be easily upgraded to the Dell/EMC CX3-80, helping to provide investment protection for your enterprise storage needs.

MULTI-FABRIC STORAGE

The Dell/EMC CX3-20 and CX3-10 arrays offer enterprise storage features at an affordable cost. With FC and iSCSI options, these arrays offer the performance of FC for critical business applications, while consolidating storage from second-tier hosts. These arrays are ideal for organizations deploying cost-effective e-mail and messaging, workgroup applications and databases.

EASY TO USE, EASY TO GROW

The Dell AX4-5 array combines easy-to-use features with the scalability of advanced storage arrays. The AX4-5 can support up to 64 hosts and up to 60 drives across four enclosures to provide the headroom to help keep up with your data growth. The array ships with a simple-to-use interface that helps the user deploy, configure, and maintain the system.

PROTECTING YOUR DATA

With Dell products, your data is protected at the fundamental storage processor level in addition to being protected throughout the data path as it travels and is stored in your network. Each storage processor's cache mirrors the other processor's cache. As a result, the write cache in each storage processor contains both its own primary cached data and a secondary copy of the cache of its peer storage processor. If a storage processor fails, the cached data in the surviving storage processor is designed to be immediately written to disk, to help ensure writes are safely stored.

MIX AND MATCH DRIVE TECHNOLOGIES

Dell/EMC CX3 and Dell AX4-5 arrays support high performance 10K and 15K RPM drives (Fibre Channel and SAS, respectively), as well as low-cost, high-capacity SATA II drives. This flexibility helps customers to better match their application requirements with their performance, capacity, and cost requirements.

RAID FLEXIBILITY FOR EASY CONFIGURATION

Dell/EMC CX3 storage arrays offer a variety of RAID data-protection choices. These include RAID levels 1/0, 0, 1, 3, 5 and 6. The Dell AX4-5 array supports RAID 1/0, 3, and 5. All levels can co-exist in the same array simultaneously to match the right protection characteristics to the value of the data.

EASILY MOVE YOUR DATA WITHIN YOUR ARRAY

With Dell storage arrays, users can easily deploy, expand and re-deploy their storage. It allows users to migrate data seamlessly between different classes of drives and RAID types to deliver the optimal combination of performance, availability and economy. And with Virtual LUN technology, data migration takes place dynamically and seamlessly, helping to avoid application disruption.

EASILY MOVE YOUR DATA ACROSS ARRAYS

Dell storage arrays support the EMC data replication and migration applications, MirrorView™ and SAN Copy™. These optional tools enable customers to remotely mirror data from one array to another to help meet disaster recovery goals or to move data from one array to another.

SIMPLY PUT:

DELL STORAGE SOLUTIONS PROVIDE QUICK DEPLOYMENT, HIGH AVAILABILITY AND EFFORTLESS SCALABILITY

	AX4-5F AX4-5I	DELL/EMC CX3-10C	DELL/EMC CX3-20F DELL/EMC CX3-20C	DELL/EMC CX3-40F DELL/EMC CX3-40C	DELL/EMC CX3-80
Maximum Cache	2GB	2GB	4GB	8GB	16GB
Drives per Array	60	60	120	240	480
Maximum Capacity per Array	Up to 60TB with SATA ¹ Up to 24TB with SAS	Up to 60TB with SATA Up to 24TB with FC	Up to 111TB with SATA Up to 48TB with FC	Up to 231TB with SATA Up to 96TB with FC	Up to 471TB with SATA Up to 192TB with FC
Host Connectivity	FC or iSCSI	FC/iSCSI	FC or FC/iSCSI	FC or FC/iSCSI	FC
Maximum Direct Attached HA Hosts	AX4-5F: 2 FC AX4-5I: 2 iSCSI	2 FC 2 iSCSI	CX3-20C: 2 FC, 4 iSCSI CX3-20F: 6 FC	CX3-40C: 2 FC, 4 iSCSI CX3-40F: 4 FC	4 FC
Maximum SAN Attached HA Hosts	64	64	128	128	256
Power, Watts (DPE+SPS)	470W	662W	667W	725W	1285W
Bundled Software	Navisphere® Express EMC® PowerPath®	EMC® PowerPath®			
Optional Software	EMC® Navisphere® EMC® SnapView™ EMC® MirrorView™ EMC® SAN Copy™	EMC® Navisphere® EMC® SnapView™ EMC® MirrorView™ EMC® SAN Copy™ Access Logix	EMC® Navisphere® EMC® SnapView™ EMC® MirrorView™ EMC® SAN Copy™ EMC® PowerPath® Access Logix	EMC® Navisphere® EMC® SnapView™ EMC® MirrorView™ EMC® SAN Copy™ EMC® PowerPath® Access Logix	EMC® Navisphere® EMC® SnapView™ EMC® MirrorView™ EMC® SAN Copy™ EMC® PowerPath® Access Logix
Form Factor	2U Disk Processor Enclosure 1U Standby Power Supply 2U Disk Array Enclosure	1U Storage Processor 1U Standby Power Supply 3U Disk Array Enclosure	1U Storage Processor 1U Standby Power Supply 3U Disk Array Enclosure	1U Storage Processor 1U Standby Power Supply 3U Disk Array Enclosure	4U Storage Processor 2U Standby Power Supply 3U Disk Array Enclosure

¹ A 1TB SATA drive is expected to be available in Q1 2008.



SIMPLIFY STORAGE AT DELL.COM/EMC