

SPECIAL TEAR-OUT POSTER



PowerEdge
2950

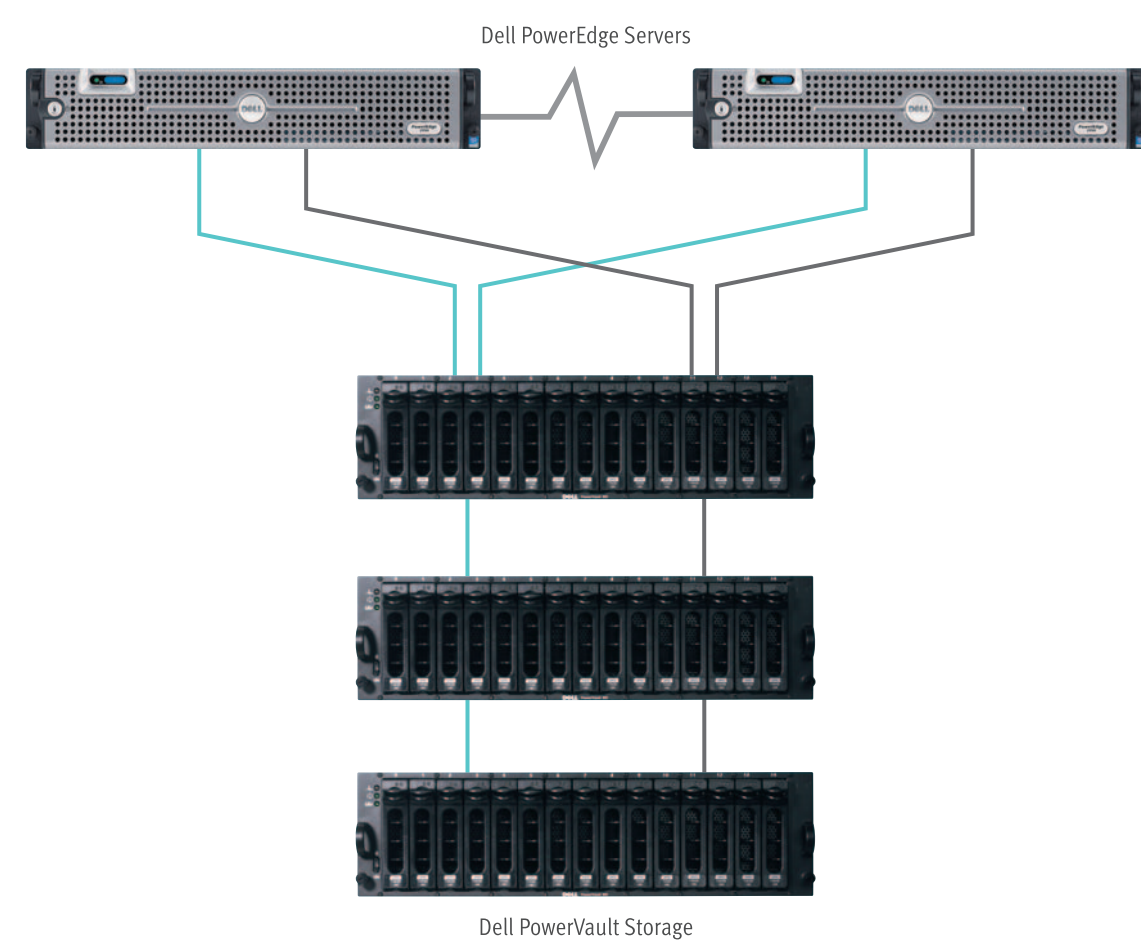
PowerEdge High-Availability Clusters

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PowerEdge High-Availability Clusters

Entry-Level Serial Attached SCSI (SAS) Dell™ PowerEdge™ Cluster SE600W



Number of Nodes	2
Platforms	Dell PowerEdge 1900, 2900, 2950, 2970, 6850, 6950
HBAs	Dell SAS 5/E
Storage Enclosures	Dell PowerVault™ MD3000 with Dell PowerVault MD1000 expansion
Operating Systems	Microsoft® Windows Server® 2003 Enterprise and Enterprise x64 Editions

Dell PowerEdge Cluster SE600W Features

- Dell's most affordable Windows Server-based clustering solution
- Excellent for file-sharing, Web, messaging, or small application servers
- External RAID-based SAS clustering
- Supports active/active or active/passive configurations
- On-site installation and configuration options
- Integrated solution from Dell
- All Dell configurations are Microsoft certified

Microsoft Windows Server 2003 R2 Enterprise Editions Features

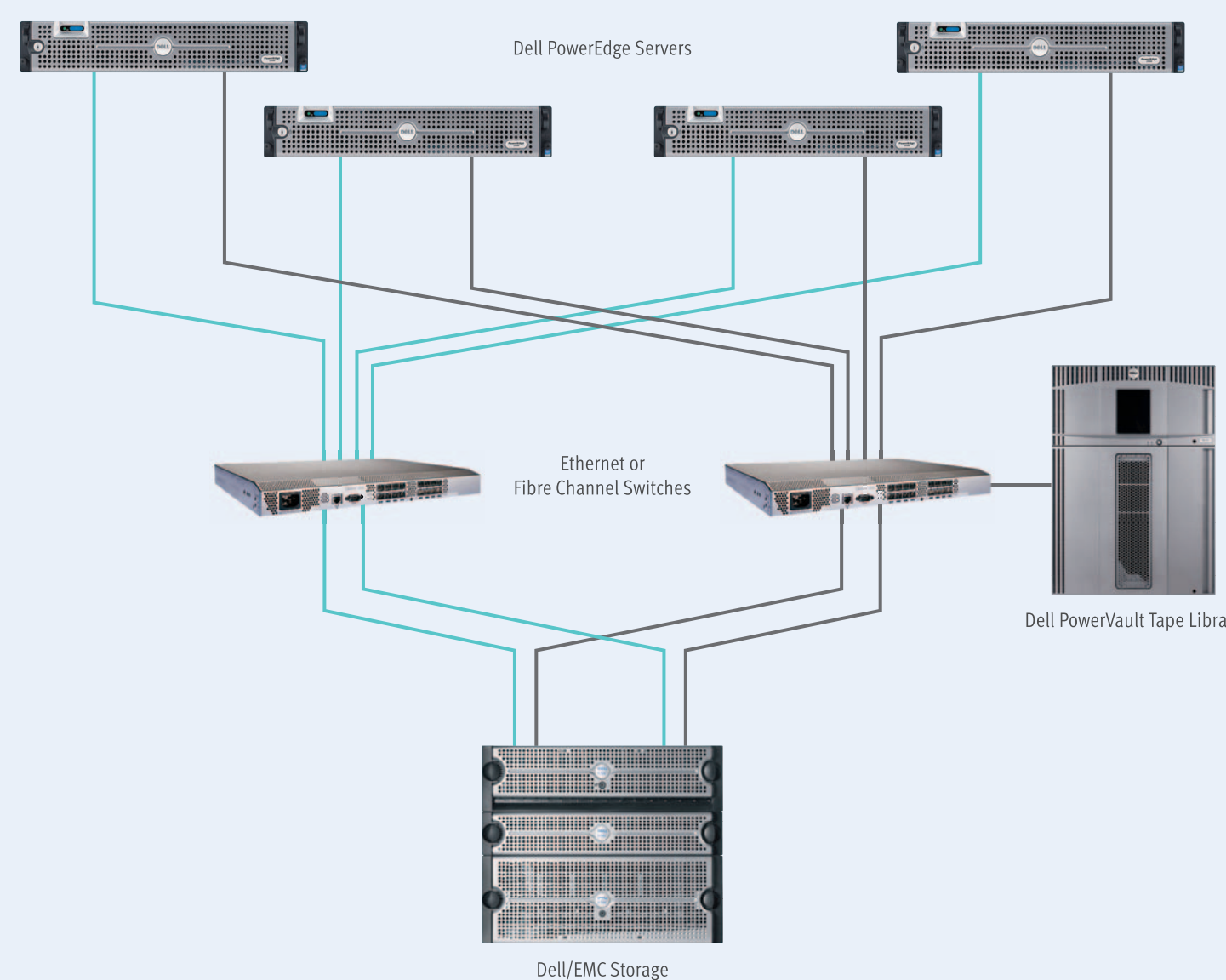
- Microsoft Windows Server 2003 R2 Enterprise Edition includes support for up to 8-way clustering and is available in x64 and 32-bit editions
- Up to 4 virtual instances using Microsoft Virtual Server
- Support for memory-intensive applications with up to 64 GB of RAM on PowerEdge servers
- Windows System Resource Manager manages allocation of resources based on business priorities
- Ideal for the Microsoft Active Directory® directory service, business applications, databases, messaging, technical computing, terminal services, and Web serving

Benefits of Implementing Dell PowerEdge High-Availability Clusters

Availability	Protect access to business-critical applications during downtime due to planned maintenance or unplanned outages*
Flexibility	Cluster up to 8 nodes—in $n+1$ configurations—to support large deployments and help increase return on investment*
Manageability	Centralize administration—single-console node and resource management*
Resilience	Eliminate single points of failure
Scalability	Address workload resource requirements throughout the enterprise*
Consolidation	Host multiple applications—maximize resources and utilization*
Customization	Architectural choice—servers, processors, interconnects, topology, and storage

*Microsoft Windows Server 2003 Enterprise Editions Features

Mainstream Fibre Channel / iSCSI Dell PowerEdge Cluster FE600W / FE600Wi



Dell PowerEdge Cluster FE600W and FE655W Features

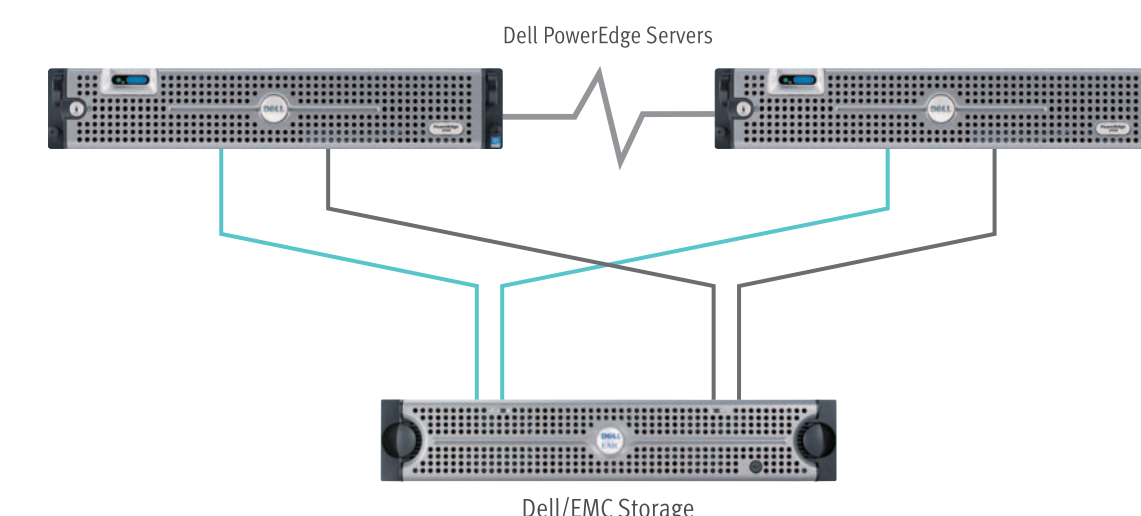
- Excellent performance, redundancy, expansion, and flexibility to help increase uptime
- Business ready—workgroup, departmental, and enterprise
- Application tested—e-commerce, messaging, and database
- Multiple $n+1$ active/passive combinations
- Redundant paths to storage enclosures with load balancing
- Ability to host multiple clusters with consolidated backup
- Supports enterprise storage software, including the EMC® MirrorView™ and SnapView™ applications
- Integrated, certified, and factory-installed solutions from Dell

Number of Nodes	Direct attach: 2 SAN attached: 2-8
Platforms	Dell PowerEdge 1950, 2900, 2950, 2970, 6850, 6950
NICs (for iSCSI)	Intel PRO/1000, Broadcom NetXtreme II BCM5708
Ethernet Switches (for iSCSI)	Dell PowerConnect 2700, 5324, 6200
HBAs (for Fibre Channel)	Emulex LP1150-E QLogic QLE2460, QLE2462
Fibre Channel Switches	Brocade SilkWorm 200E, 4100, 5000 McDATA Spheron 4400, 4700
Storage Enclosures	Dell/EMC CX3-10c Dell/EMC CX3-20f, CX3-20c Dell/EMC CX3-40f, CX3-40c Dell/EMC CX3-80
Operating Systems	Microsoft Windows Server 2003 Enterprise and Enterprise x64 Editions

Dell PowerEdge Cluster Storage Portfolio

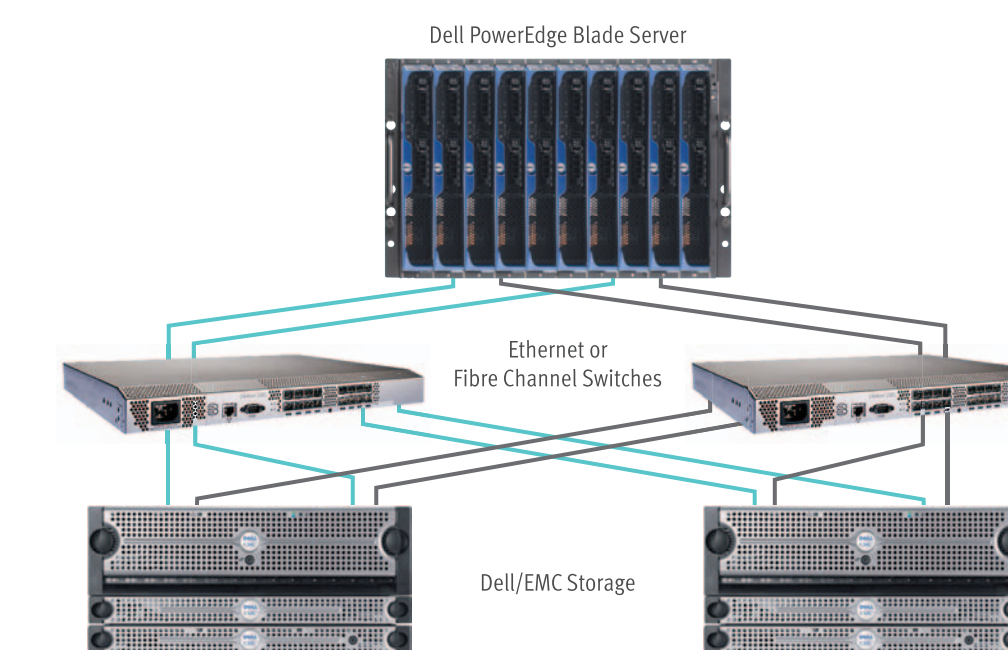
Storage	Solution Support	Expandable	Direct Attach	SAN Attached	Host Interconnect	Back-End Interconnect	Primary Drive Technology	Maximum Speed (rpm)	Maximum Spindles
Dell/EMC CX3-20f/40f/80	FE600W, FE655W	✓	✓	✓	FC	FC	FC	15,000	120/240/480
Dell/EMC CX3-10c/20c/40c	FE600W(i), FE655W(i)	✓	✓	✓	FC (iSCSI)	FC	FC	15,000	60/120/240
Dell/EMC AX150	FE650W, FE655W		✓	✓	FC	FC	SATA	7,200	12
Dell/EMC AX150i	FE650Wi, FE655Wi		✓	✓	iSCSI	FC	SATA	7,200	12
Dell PowerVault MD3000	SE600W	✓	✓		SAS	SAS	SAS	15,000	45

Entry-Level Fibre Channel / iSCSI Dell PowerEdge Cluster FE650W / FE650Wi



Number of Nodes	Direct attach: 2 SAN attached: 2-8
Platforms	Dell PowerEdge 1950, 2900, 2950, 2970
NICs (for iSCSI)	Intel® PRO/1000, Broadcom NetXtreme II BCM5708
Ethernet Switches (for iSCSI)	Dell PowerConnect™ 2700, 5324
HBAs (for Fibre Channel)	QLogic QLE220
Fibre Channel Switches	Brocade SilkWorm 200E
Storage Enclosures	Dell/EMC AX150, AX150i
Operating Systems	Microsoft Windows Server 2003 Enterprise Edition

Blade Server Fibre Channel / Blade Server iSCSI Dell PowerEdge Cluster FE655W / FE655Wi



Number of Nodes	Direct attach: 2 SAN attached: 2-8
Platforms	Dell PowerEdge 1955 Blade Server
NICs (for iSCSI)	Broadcom NetXtreme II BCM5708
Ethernet Switches (for iSCSI)	Dell PowerConnect 5316M
HBAs (for Fibre Channel)	QLogic QME2462, Emulex LPe1105-M
Internal Fibre Channel Switch Modules External Fibre Channel Switches	Brocade 4016, McDATA 4416 Brocade SilkWorm 200E, 4100, 5000 McDATA Spheron 4400, 4700
Storage Enclosures	Dell/EMC CX3-10c Dell/EMC CX3-20f, CX3-20c Dell/EMC CX3-40f, CX3-40c Dell/EMC CX3-80 Dell/EMC AX150, AX150i
Operating Systems	Microsoft Windows Server 2003 Enterprise and Enterprise x64 Editions

