Dell™ High Availability Cluster Configuration Support Matrix

PowerEdge™ Cluster with Compellent Storage Center Fibre Channel Storage Array running Microsoft® Windows® Failover Cluster

Dell Cluster Configuration Support Matrix
PowerEdge Cluster with Compellent Storage Center Fibre Channel Storage Arrays
Release Date: May, 2012

The storage and server components that are listed on this matrix have been tested and validated by Dell High-Availability Solutions Engineering for use in Windows Server Failover Clusters. Building a cluster using components from this list – and ensuring that the firmware and driver versions conform to those that are listed – ensures that the resulting cluster has been fully qualified by Dell and our partners.

Storage Components				
Up to 4 storage systems per cluster	**Compellent Storage Systems:**			
	Compellent Storage Center	Compellent Storage Center		
	Firmware version	6.0 or later		
Fibre Channel Switches				
8 Gb/s Fibre Channel Switches	Brocade FC Switch:	Silkworm 300	Silkworm 5100	Silkworm 5300
	Fabric OS Revision:	6.4.1a	6.4.1a	6.4.1a
Fibre Channel Switches (Embedded)				
8 Gb/s Fibre Channel Switches	Brocade FC Switch:	Silkworm M5424		
	Fabric OS Revision:	6.4.2		

Server Components		
Up to 16 homogeneous nodes	**Dell Servers:**	
	Supported servers (Rack):	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, R720xd, and R820
	Supported servers (Blade):	PowerEdge M610, M610x, M710, M710HD, M910 , M915, and M620
	Operating Systems:	
	Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2	
	Microsoft Windows Server 2008, R2 Enterprise x64 Edition with Service Pack 1	
	Multipath Software:	
	Microsoft MPIO/DSM	

Fibre Channel Interconnects			
8 Gb/s Fibre Channel HBAs	Qlogic QLE2560/2562	HBA BIOS:	2.10
		HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport): 9.1.9.27
		Supported Servers:	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, R720xd, R820
		Supported Switches:	Brocade Silkworm 300, 5100, 5300
	Emulex LPe12000/12002	HBA Firmware:	2.00A4 HBA BIOS: 5.03a2(package)
		HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport): 2.41.2
		Supported Servers:	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, R720xd, and R820
		Supported Switches:	Brocade Silkworm 300, 5100, 5300
	Qlogic QME2572	HBA BIOS:	3.00
		HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport): 9.1.9.27
		Supported Servers:	PowerEdge blades M610, M610x, M710, M710HD, M910, M915 and M620
		Supported Switches:	Brocade Silworm M5424
	Emulex LPe1205-M	HBA Firmware:	2.00A4 HBA BIOS: 3.03a9
		HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport): 2.50.007
		Supported Servers:	PowerEdge blades M610, M610x, M710, M710HD, M910, M915, and M620
		Supported Switches:	Brocade Silworm M5424

For detailed information, please refer to the online documentation of PowerEdge Cluster with Compellent Storahe Center Fibre Channel Storage Array

Dell Cluster Configuration Support Matrix
PowerEdge Cluster with Compellent Storage Center Fibre Channel Storage Arrays
Release Date: February, 2012

The storage and server components that are listed on this matrix have been tested and validated by Dell High-Availability Solutions Engineering for use in Windows Server Failover Clusters. Building a cluster using components from this list – and ensuring that the firmware and driver versions conform to those that are listed – ensures that the resulting cluster has been fully qualified by Dell and our partners.

Storage Components
Up to 4 storage systems per cluster

Compellent Storage Systems:

Compellent Storage Center	Compellent Storage Center
Firmware version	5.5.3 or later

Fibre Channel Switches
8 Gb/s Fibre Channel Switches

Brocade FC Switch:	Silkworm 300	Silkworm 5100	Silkworm 5300	
Fabric OS Revision:	6.4.1a	6.4.1a	6.4.1a	

Fibre Channel Switches (Embedded)
8 Gb/s Fibre Channel Switches

Brocade FC Switch:	Silkworm M5424
Fabric OS Revision:	6.4.2

Server Components
Up to 16 homogeneous nodes

Dell Servers:

Supported servers (Rack):	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, and R720xd
Supported servers (Blade):	PowerEdge M610, M610x, M710, M710HD, M910 , M915, and M620

Operating Systems:

Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2
Microsoft Windows Server 2008, R2 Enterprise x64 Edition with Service Pack 1

Multipath Software:

Microsoft MPIO/DSM

Fibre Channel Interconnects
8 Gb/s Fibre Channel HBAs

Qlogic QLE2560/2562	HBA BIOS:	2.10	
	HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport):	9.1.9.27
	Supported Servers:	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, and R720xd	
	Supported Switches:	Brocade Silkworm 300, 5100, 5300	
Emulex LPe12000/12002	HBA Firmware:	2.00A4	HBA BIOS: 5.03a2(package)
	HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport):	2.41.2
	Supported Servers:	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, and R720xd	
	Supported Switches:	Brocade Silkworm 300, 5100, 5300	
Qlogic QME2572	HBA BIOS:	3.00	
	HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport):	9.1.9.27
	Supported Servers:	PowerEdge blades M610, M610x, M710, M710HD, M910, M915 and M620	
	Supported Switches:	Brocade Silworm M5424	
Emulex LPe1205-M	HBA Firmware:	2.00A4	HBA BIOS: 3.03a9
	HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport):	2.50.007
	Supported Servers:	PowerEdge blades M610, M610x, M710, M710HD, M910, M915, and M620	
	Supported Switches:	Brocade Silworm M5424	

Dell Cluster Configuration Support Matrix
PowerEdge Cluster with Compellent Storage Center Fibre Channel Storage Arrays
Release Date: July, 2011

The storage and server components that are listed on this matrix have been tested and validated by Dell High-Availability Solutions Engineering for use in Windows Server Failover Clusters. Building a cluster using components from this list – and ensuring that the firmware and driver versions conform to those that are listed – ensures that the resulting cluster has been fully qualified by Dell and our partners.

Storage Components

Compellent Storage Systems:

Compellent Storage Center	Compellent Storage Center	
Firmware version	5.4.3 or later	

Fibre Channel Switches
8 Gb/s Fibre Channel Switches

Brocade FC Switch:	Silkworm 300	Silkworm 5100	Silkworm 5300	
Fabric OS Revision:	6.4.1a	6.4.1a	6.4.1a	

Server Components
Up to 16 homogeneous nodes

Dell Servers:

Supported servers (Rack):	PowerEdge R610, R710, R715, R810, R815, and R910

Operating Systems:

Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2

Microsoft Windows Server 2008, R2 Enterprise x64 Edition with Service Pack 1

Multipath Software:

Microsoft MPIO/DSM

Fibre Channel Interconnects
8 Gb/s Fibre Channel HBAs

Qlogic QLE2560/2562	HBA BIOS:	2.10	HBA Firmware:	5.01.03	
	HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport):			9.1.8.25
	Supported Servers:	PowerEdge R610, R710, R715, R810, R815, and R910			
	Supported Switches:	Brocade Silkworm 300, 5100, 5300			
Emulex LPe12000/12002	HBA Firmware:	1.11A5	Adapter Boot Version:	5.03a7	
	HBA Driver:	Windows Server 2008, SP2 or R2 SP1 Enterprise x64 Edition (STORport miniport):			2.40.005
	Supported Servers:	PowerEdge R610, R710, R715, R810, R815, and R910			
	Supported Switches:	Brocade Silkworm 300, 5100, 5300			