

# Dell™ High Availability Cluster Configuration Support Matrix

PowerEdge™ Cluster with PowerVault™ MD3600f/MD3620f Fibre Channel  
Storage Array running Microsoft® Windows® Failover Cluster



# Dell Cluster Configuration Support Matrix

## PowerEdge Cluster with PowerVault MD3600f/MD3620f 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	Dell Storage Systems:				
	Dell PowerVault	MD3600f/MD3620f		MD1200/MD1220	
	Enclosure Firmware:	07.80.41.60		1.01	
	NVRAM Revision	N26X0-780890-901			
Fibre Channel Switches 8 Gb/s Fibre Channel Switches					
Fibre Channel Switches (Embedded) 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, R910, R620, R720, R720xd, and R820			
	Supported servers (Blade):	PowerEdge M610, M610x, M710, M710HD, M910, M915, and M620			
	Operating Systems:				
	Microsoft Windows Server 2008, R2 Enterprise x64 Edition with Service Pack 1				
	PowerVault Modular Disk Storage Manager Software:				
	Dell MDSM version	10.80.G6.47			
Fibre Channel Interconnects 8 Gb/s Fibre Channel HBAs	Qlogic QLE2560/2562	HBA BIOS:	2.10		
Emulex LPe12000/12002		HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):		9.1.8.25
		Supported Servers:	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, R720xd, and R820		
		Supported Switches:	Brocade Silkworm 300, 5100, 5300		
	Qlogic QME2572	HBA Firmware:	1.11A5	HBA BIOS: 5.03a7(package)	
HBA Driver:		Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):		2.40.005	
Supported Servers:		PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, R720xd, and R820			
Supported Switches:		Brocade Silkworm 300, 5100, 5300			
Brocade BR825/815	HBA BIOS:	2.10			
	HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):		9.1.8.25	
	Supported Servers:	PowerEdge blades M610, M610x, M710, M710HD, M910, M915, and M620			
	Supported Switches:	Brocade Silkworm M5424			
Emulex LPe1205-M	HBA BIOS:	2.3.0.1			
	HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):		2.3.0.0	
	Supported Servers:	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, R720xd, and R820			
	Supported Switches:	Brocade Silkworm 300, 5100, 5300			
	HBA Firmware:	1.11A5	HBA BIOS: 5.03a7(package)		
	HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):		2.40.005	
	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 PowerVault MD3600f Storage Array](#)

# Dell Cluster Configuration Support Matrix

## PowerEdge Cluster with PowerVault MD3600f/MD3620f 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	Dell Storage Systems:			
	Dell PowerVault	MD3600f/MD3620f		MD1200/MD1220
	Enclosure Firmware:	07.80.41.60		1.01
	NVRAM Revision	N26X0-780890-901		
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:	6.4.1a		
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, R2 Enterprise x64 Edition with Service Pack 1			
	PowerVault Modular Disk Storage Manager Software:			
	Dell MDSM version	10.80.G6.47		
Fibre Channel Interconnects 8 Gb/s Fibre Channel HBAs	Qlogic QLE2560/2562	HBA BIOS:	2.10	
		HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):	
		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:	1.11A5	HBA BIOS: 5.03a7(package)
		HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):	
		Supported Servers:	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, and R720xd	
		Supported Switches:	Brocade Silkworm 300, 5100, 5300	
	Qlogic QME2572	HBA BIOS:	2.10	
		HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):	
		Supported Servers:	PowerEdge blades M610, M610x, M710, M710HD, M910, M915, and M620	
		Supported Switches:	Brocade Silworm M5424	
	Brocade BR825/815	HBA BIOS:	2.3.0.1	
		HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):	
		Supported Servers:	PowerEdge R610, R710, R715, R810, R815, R910, R620, R720, and R720xd	
		Supported Switches:	Brocade Silkworm 300, 5100, 5300	
	Emulex LPe1205-M	HBA Firmware:	1.11A5	HBA BIOS: 5.03a7(package)
		HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):	
		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 PowerVault MD3600f Storage Array](#)

# Dell Cluster Configuration Support Matrix

## PowerEdge Cluster with PowerVault MD3600f/MD3620f Fibre Channel Storage Arrays



Release Date: October, 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

Up to 4 storage systems per cluster

#### Dell Storage Systems:

Dell PowerVault	MD3600f/MD3620f	MD1200/MD1220	
Enclosure Firmware:	07.80.41.60	1.01	
NVRAM Revision	N26X0-780890-901		

### 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, R2 Enterprise x64 Edition with Service Pack 1

#### PowerVault Modular Disk Storage Manager Software:

Dell MDSM version	10.80.G6.47	
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### 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 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 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			
Brocade BR825/815	HBA BIOS:	2.3.0.1			
	HBA Driver:	Windows Server 2008 R2 SP1 Enterprise x64 Edition (STORport miniport):			2.3.0.0
	Supported Servers:	PowerEdge R610, R710, R715, R810, R815, and R910			
	Supported Switches:	Brocade Silkworm 300, 5100, 5300			

[For detailed information, please refer to the online documentation of PowerEdge Cluster with PowerVault MD3600f Fibre Channel Storage Array](#)

# Dell Cluster Configuration Support Matrix

## PowerEdge Cluster with PowerVault MD3600f/MD3620f 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

Up to 4 storage systems per cluster

#### Dell Storage Systems:

Dell PowerVault	MD3600f/MD3620f	MD1200/MD1220	
Enclosure Firmware:	07.75.20.62	1.01	
NVRAM Revision	N26X0-775890-009		

### 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, R2 Enterprise x64 Edition with Service Pack 1

#### PowerVault Modular Disk Storage Manager Software:

Dell MDSM version	10.75.36.24	
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### 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 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 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			
Brocade BR825/815	HBA BIOS:	2.3.0.1			
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	Supported Servers:	PowerEdge R610, R710, R715, R810, R815, and R910			
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[For detailed information, please refer to the online documentation of PowerEdge Cluster with PowerVault MD3600f Fibre Channel Storage Array](#)