

Dell™ High Availability Cluster Configuration Support Matrix

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



Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Compellent Storage Center iSCSI Storage Array

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 System:

Compellent Storage Center	Compellent Storage Center 40-Series
Firmware version	6.0 or later

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

MPIO Software:

Microsoft MPIO/DSM		
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iSCSI Components

iSCSI Initiator:

Microsoft iSCSI Software Initiator	RTM or later
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iSNS:

Microsoft iSNS Server	3.0
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iSCSI Interconnects

NICs (dedicated for iSCSI):

Any Gigabit or 10Gb on-board or add-on Ethernet Adapters (NICs) supported by the server and storage systems

Switches (dedicated for iSCSI):

Any Gigabit or 10Gb Ethernet switch, including Ethernet switch I/O modules supported in the Dell PowerEdge blade enclosures

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Compellent Storage Center iSCSI Storage Array](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Compellent Storage Center iSCSI Storage Array

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 System:

Compellent Storage Center	Compellent Storage Center 40-Series
Firmware version	5.5.3 or later

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

MPIO Software:

Microsoft MPIO/DSM		
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iSCSI Components

iSCSI Initiator:

Microsoft iSCSI Software Initiator	RTM or later
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iSNS:

Microsoft iSNS Server	3.0
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iSCSI Interconnects

NICs (dedicated for iSCSI):

Any Gigabit or 10Gb on-board or add-on Ethernet Adapters (NICs) supported by the server and storage systems

Switches (dedicated for iSCSI):

Any Gigabit or 10Gb Ethernet switch, including Ethernet switch I/O modules supported in the Dell PowerEdge blade enclosures

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Compellent Storage Center iSCSI Storage Array](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Compellent Storage Center iSCSI Storage Array

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

Dell Storage System:

Compellent Storage Center	Compellent Storage Center	
Firmware version	5.4.3 or later	

Server Components

Up to 16 homogeneous nodes

Dell Servers:

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

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

MPIO Software:

Microsoft MPIO/DSM

iSCSI Components

iSCSI Initiator:

Microsoft iSCSI Software Initiator	
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iSNS:

Microsoft iSNS Server	3.0	
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iSCSI Interconnects

NICs (dedicated for iSCSI):		NIC Driver version
All supported non-blade servers	Intel PRO/1000 PT Single and Dual Port 1GbE NIC	12.5.2_A00 or later
	Intel 10 Gigabit AT Server Single Port NIC	12.5.2_A00 or later
	Intel 10 Gigabit XF SR Server Adapter - Single Port	12.5.2_A00 or later
	Intel 10 Gigabit AF Direct Attach Server - Dual Port	12.5.2_A00 or later
	Broadcom 5708 or 5709 Single Port 1GbE NIC	16.2.0_A01 or later
	Broadcom 5709 Quad Port 1GbE NIC	16.2.0_A01 or later
	Broadcom 57710 Single Port 10GbE NIC	16.2.0_A01 or later
	Broadcom 57711 Dual Port 10GbE NIC	16.2.0_A01 or later
M610, M610x, M710, M710HD, M910 and M915	Broadcom 5709 1GbE Ethernet NIC	16.2.0_A01 or later
M610, M610x, M710, M710HD, M910 and M915	Broadcom 57110 10GbE Ethernet NIC	16.2.0_A01 or later

Switches (dedicated for iSCSI):

Any Gigabit or 10Gb Ethernet switch, including Ethernet switch I/O modules supported in the Dell PowerEdge blade enclosure
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