

Dell™ High Availability Clusters Configuration Support Matrix

PowerEdge™ Cluster with Dell EqualLogic PS Series iSCSI Storage
Array running Microsoft® Windows® Failover Cluster



Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series 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	Storage System:		
	Storage Systems	PS4000E/X/XV, PS5000 E/X/XV, PS5500 E, PS6000 E/X/S/XV/XVS, PS6500 E/X, PS6010 E/X/S/XV/XVS, PS6510 E/X, PS4100 E/X/XV, PS6100 E/X/S/XS/XV, PS4110 E/X/XV, and PS6110 E/X/S/XS/XV	
	Firmware version	5.1.0 or later	
Server Components Up to 16 homogeneous nodes	Dell Servers:		
	Supported servers (Rack):	PowerEdge PE2970, R510, R610, R710, R715, R810, R815, R910, R620, R720, R720xd, and R820	
	Supported servers (Blade):	PowerEdge M610, M610x, M710, M710HD, M910, M915, and M620	
	Supported servers (Tower):	PowerEdge T610, and T710	
	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		
iSCSI Components	Host Integration Tools Kit (HIT):		
	HIT	4.0 or later	
	iSCSI Initiator:		
	Microsoft iSCSI Software Initiator	RTM or later	
iSCSI Interconnects	iSNS:		
	Microsoft iSNS Server	3.0	
	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 and 10Gb Ethernet switch and Ethernet switch modules supported by EqualLogic. Please refer to EqualLogic support matrix for more details.			

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series 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	Storage System:		
	Storage Systems	PS4000E/X/XV, PS5000 E/X/XV, PS5500 E, PS6000 E/X/S/XV/XVS, PS6500 E/X, PS6010 E/X/S/XV/XVS, PS6510 E/X, PS4100 E/X/XV, PS6100 E/X/S/XS/XV, PS4110 E/X/XV, and PS6110 E/X/S/XS/XV	
	Firmware version	5.1.0 or later	
Server Components Up to 16 homogeneous nodes	Dell Servers:		
	Supported servers (Rack):	PowerEdge PE2970, R510, R610, R710, R715, R810, R815, R910, R620, R720, and R720xd	
	Supported servers (Blade):	PowerEdge M610, M610x, M710, M710HD, M910, M915, and M620	
	Supported servers (Tower):	PowerEdge T610, and T710	
	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		
iSCSI Components	Host Integration Tools Kit (HIT):		
	HIT	4.0 or later	
	iSCSI Initiator:		
iSCSI Interconnects	Microsoft iSCSI Software Initiator	RTM or later	
	iSNS:		
	Microsoft iSNS Server	3.0	
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):		
iSCSI Interconnects	Any Gigabit and 10Gb Ethernet switch and Ethernet switch modules supported by EqualLogic. Please refer to EqualLogic support matrix for more details.		

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: August, 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 Microsoft 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	Storage System:		
	Storage Systems	PS4000E/X/XV, PS5000 E/X/XV, PS5500 E, PS6000 E/X/S/XV/XVS, PS6500 E/X, PS6010 E/X/S/XV/XVS, PS6510 E/X, PS4100 E/X/XV, and PS6100 E/X/S/XV	
	Firmware version	5.1.0 or later	
Server Components Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit and Windows Server 2008 R2 x64bit	Dell Servers:		
	Supported servers (Rack):	PowerEdge PE1950III, PE2950III, PE2970, R805, R900, R905, R610, R710, R715†, R810†, R815†, R910†, and R510†	
	Supported servers (Blade):	PowerEdge M600, M605, M805, M905, M610, M710, M910†, M610xt, M710HD†, and M915†	
	Supported servers (Tower):	PowerEdge PE2900III, T610, and T710	
	†: These PowerEdge Servers are only supported in Windows Server 2008 SP2 and R2 SP1 x64 editions		
	Operating Systems:		
	Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64) †† Microsoft Windows Server 2003, R2 Enterprise Edition SP2 (x86 and x64) †† Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2 Microsoft Windows Server 2008, R2 Enterprise x64 Edition with Service Pack 1		
	††: The following Windows Server 2003 Hotfix is also required: KB943545		
iSCSI Components	Host Integration Tools Kit (HIT):		
	HIT	3.5.1 or later	
	iSCSI Initiator:		
	Microsoft iSCSI Software Initiator	2.08 or later	
	iSNS:		
	Microsoft iSNS Server	3.0 or later	
iSCSI Interconnects	NICs (dedicated for iSCSI):		NIC Driver version
	All supported non-blade servers	Intel PRO1000PT Single and Dual Port 1GbE NICs	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
	M600, M605, M805, and M905	Broadcom 5708 1GbE NIC	16.2.0_A01 or later
	M805, M905, M610, M710, M910, M610x, M710HD, and M915	Broadcom 5709 1GbE NIC	16.2.0_A01 or later
	M805, M905, M610, M710, M910, M610x, M710HD, and M915	Broadcom 57110 10GbE Ethernet NIC	16.2.0_A01 or later
	Switches (dedicated for iSCSI):		
	Any Gigabit and 10Gb Ethernet switch and Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.		

For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: April, 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

Storage System:

Storage Systems	PS4000E/X/XV, PS5000 E/X/XV, PS5500 E, PS6000 S/E/X/XV/XVS, PS6500 E/X, PS6010 E/X/S/XV/XVS, and PS6510 E/X
Firmware version	5.0.0 or later

Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit and Windows Server 2008 R2 x64bit

Dell Servers:

Supported servers (Rack):	PowerEdge PE1950III, PE2950III, PE2970, R805, R900, R905, R610, R710, R715†, R810†, R815†, R910†, and R510†
Supported servers (Blade):	PowerEdge M600, M605, M805, M905, M610, M710, M910†, M610x†, and M710HD†
Supported servers (Tower):	PowerEdge PE2900III, T610, and T710

†: These PowerEdge Servers are only supported in Windows Server 2008 SP2 and R2 SP1 x64 editions

Operating Systems:

Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64) ††
 Microsoft Windows Server 2003, R2 Enterprise Edition SP2 (x86 and x64) ††
 Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2
 Microsoft Windows Server 2008, R2 Enterprise x64 Edition with Service Pack 1

††: The following Windows Server 2003 Hotfix is also required: KB943545

Host Integration Tools Kit (HIT):

HIT	3.4
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iSCSI Components

iSCSI Initiator:

Microsoft iSCSI Software Initiator	2.08
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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 PRO1000PT Single and Dual Port 1GbE NICs	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 with TOE	16.2.0_A01 or later
	Broadcom 5709 Quad Port 1GbE NIC with TOE	16.2.0_A01 or later
	Broadcom 57710 Single Port 10GbE NIC with TOE	16.2.0_A01 or later
	Broadcom 57711 Dual Port 10GbE NIC with TOE	16.2.0_A01 or later
M600, M605, M805, and M905	Broadcom 5708 1GbE NIC with TOE	16.2.0_A01 or later
M805, M905, M610, M710, M910, M610x, and M710HD	Broadcom 5709 1GbE NIC with TOE	16.2.0_A01 or later
M805, M905, M610, M710, M910, M610x, and M710HD	Broadcom 57110 10GbE Ethernet NIC with TOE	16.2.0_A01 or later

Switches (dedicated for iSCSI):

Any Gigabit and 10Gb Ethernet switch and Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: October, 2010

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

Storage System:		
Storage Systems	PS4000E/X/XV, PS5000 E/X/XV, PS5500 E, PS6000 S/E/X/XV/XVS, PS6500 E/X, PS6010 E/X/S/XV/XVS, and PS6510 E/X	
Firmware version	5.0.0 or later	

Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit and Windows Server 2008 R2 x64bit

Dell Servers:		
Supported servers (Rack):	PowerEdge PE1950III, PE2950III, PE2970, R805, R900, R905, R610, R710, R715†, R810†, R815†, R910†, and R510†	
Supported servers (Blade):	PowerEdge M600, M605, M805, M905, M610, M710, M910†, M610x†, and M710HD†	
Supported servers (Tower):	PowerEdge PE2900III, T610, and T710	
†: These PowerEdge Servers are only supported in Windows Server 2008 SP2 and R2 x64 editions		
Operating Systems:		
Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64) ††		
Microsoft Windows Server 2003, R2 Enterprise Edition SP2 (x86 and x64) ††		
Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2		
Microsoft Windows Server 2008, R2 Enterprise x64 Edition		
††: The following Windows Server 2003 Hotfix is also required: KB943545		
Host Integration Tools Kit (HIT):		
HIT	3.4	

iSCSI Components

iSCSI Initiator:		
Microsoft iSCSI Software Initiator	2.08	
iSNS:		
Microsoft iSNS Server	3.0	

iSCSI Interconnects

NICs (dedicated for iSCSI):		NIC Driver version
All supported non-blade servers	Intel PRO1000PT Single and Dual Port 1GbE NICs	12.0_A01 or later
	Intel 10 Gigabit AT Server Single Port NIC	12.0_A01 or later
	Intel 10 Gigabit XF SR Server Adapter - Single Port	12.0_A01 or later
	Intel 10 Gigabit AF Direct Attach Server - Dual Port	12.0_A01 or later
	Broadcom 5708 or 5709 Single Port 1GbE NIC with TOE	14.2.0_A03 or later
	Broadcom 5709 Quad Port 1GbE NIC with TOE	14.2.0_A03 or later
	Broadcom 57710 Single Port 10GbE NIC with TOE	14.2.0_A03 or later
	Broadcom 57711 Dual Port 10GbE NIC with TOE	14.2.0_A03 or later
M600, M605, M805, and M905	Broadcom 5708 1GbE NIC with TOE	14.2.0_A03 or later
M805, M905, M610, M710, M910, M610x, and M710HD	Broadcom 5709 1GbE NIC with TOE	14.2.0_A03 or later
M805, M905, M610, M710, M910, M610x, and M710HD	Broadcom 57110 10GbE Ethernet NIC with TOE	14.2.0_A03 or later
Switches (dedicated for iSCSI):		
Any Gigabit and 10Gb Ethernet switch and Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.		

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: April, 2010

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

Storage System:

Storage Systems	PS4000E/X/XV, PS5000 E/X/XV, PS5500 E, PS6000 S/E/X/XV, PS6500 E/X, PS6010 E/X/S/XV, and PS6510 E/X
Firmware version	4.3.2 or later

Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit and Windows Server 2008 R2 x64bit

Dell Servers:

Supported servers (Rack):	PowerEdge PE1950III, PE2950III, PE2970, R805, R900, R905, R610, R710, R810†, R815†, and R910†
Supported servers (Blade):	PowerEdge M600, M605, M805, M905, M610, M710, and M910†
Supported servers (Tower):	PowerEdge PE2900III, T610, and T710

†: These PowerEdge Servers are only supported in Windows Server 2008 SP2 and R2 x64 editions

Operating Systems:

Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64) ††
 Microsoft Windows Server 2003, R2 Enterprise Edition SP2 (x86 and x64) ††
 Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2
 Microsoft Windows Server 2008, R2 Enterprise x64 Edition

††: The following Windows Server 2003 Hotfix is also required: KB943545

Host Integration Tools Kit (HIT):

HIT	3.3.1
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iSCSI Components

iSCSI Initiator:

Microsoft iSCSI Software Initiator	2.08
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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 PRO1000PT Single and Dual Port 1GbE NICs	11.7_A00 or later
	Intel 10 Gigabit AT Server Single Port NIC	11.7_A00 or later
	Intel 10 Gigabit XF SR Server Adapter - Single Port	11.7_A00 or later
	Intel 10 Gigabit AF Direct Attach Server - Dual Port	11.7_A00 or later
	Broadcom 5708 or 5709 Single Port 1GbE NIC with TOE	14.2.0_A01 or later
	Broadcom 5709 Quad Port 1GbE NIC with TOE	14.2.0_A01 or later
	Broadcom 57710 Single Port 10GbE NIC with TOE	14.2.0_A01 or later
	Broadcom 57711 Dual Port 10GbE NIC with TOE	14.2.0_A01 or later
M600, M605, M805, and M905	Broadcom 5708 1GbE NIC with TOE	14.2.0_A01 or later
M805, M905, M610, M710, and M910	Broadcom 5709 1GbE NIC with TOE	14.2.0_A01 or later
M805, M905, M610, M710, and M910	Broadcom 57110 10GbE Ethernet NIC with TOE	14.2.0_A01 or later

Switches (dedicated for iSCSI):

Any Gigabit and 10Gb Ethernet switch and Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: January, 2010

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

Storage System:

Storage Systems	PS4000E/X/XV, PS5000 E/X/XV, PS5500 E, PS6000 S/E/X/XV, PS6500 E/X
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Firmware version	4.3.2 or later
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Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit and Windows Server 2008 R2 x64bit

Dell Servers:

Supported servers (Rack):	PowerEdge PE1950III, PE2950III, PE2970, R805, R900, R905, R610, and R710
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Supported servers (Blade):	PowerEdge M600, M605, M805, M905, M610, and M710
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Supported servers (Tower):	PowerEdge PE2900III, T610, and T710
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Operating Systems:

Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64)
Microsoft Windows Server 2003, R2 Enterprise Edition SP2 (x86 and x64)
Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2
Microsoft Windows Server 2008, R2 Enterprise x64 Edition

Host Integration Tools Kit (HIT):

HIT	3.3.1
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iSCSI Components

iSCSI Initiator:

Microsoft iSCSI Software Initiator	2.08
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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 PRO1000PT Single and Dual Port 1GbE NICs (for Windows Server 2008, R2 x64 Edition)	11.6_A00 or later
	Intel PRO1000PT Single and Dual Port 1GbE NICs	11.6_A00 or later
	Broadcom 5708 Single Port 1GbE NIC with TOE	14.1.5_A00 or later
	Broadcom 5709 Single Port 1GbE NIC with TOE	14.1.5_A00 or later
M600, M605, M805, and M905	Broadcom 5708 1GbE NIC with TOE	14.1.5_A00 or later
M805, M905, M610, and M710	Broadcom 5709 1GbE NIC with TOE	14.1.5_A00 or later

Switches (dedicated for iSCSI):

Any Gigabit Ethernet switch and Gigabit Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: October, 2009

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

Storage System:

Storage Systems	PS4000E/X/XV, PS5000 E/X/XV, PS5500 E, PS6000 S/E/X/XV, PS6500 E/X
Firmware version	4.2.0 or later

Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit and Windows Server 2008 R2 x64bit

Dell Servers:

Supported servers (Rack):	PowerEdge PE1950III, PE2950III, PE2970, R805, R900, R905, R610, and R710
Supported servers (Blade):	PowerEdge M600, M605, M805, M905, M610, and M710
Supported servers (Tower):	PowerEdge PE2900III, T610, and T710

Operating Systems:

Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64)
 Microsoft Windows Server 2003, R2 Enterprise Edition SP2 (x86 and x64)
 Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2
 Microsoft Windows Server 2008, R2 Enterprise x64 Edition

Host Integration Tools Kit (HIT):

HIT	3.3
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iSCSI Components

iSCSI Initiator:

Microsoft iSCSI Software Initiator	2.08
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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 PRO1000PT Single and Dual Port 1GbE NICs (for Windows Server 2008, R2 x64 Edition)	11.5_A04 or later
	Intel PRO1000PT Single and Dual Port 1GbE NICs	11.5_A03 or later
	Broadcom 5708 Single Port 1GbE NIC with TOE	14.1.1_A03 or later
	Broadcom 5709 Single Port 1GbE NIC with TOE	14.1.1_A03 or later
M600, M605, M805, M905, M610, and M710	Broadcom 5708 1GbE NIC with TOE	14.1.1_A03 or later
	Broadcom 5709 1GbE NIC with TOE	14.1.1_A03 or later

Switches (dedicated for iSCSI):

Any Gigabit Ethernet switch and Gigabit Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: July, 2009

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

Storage System:		
Storage Systems	PS5000 E/X/XV, PS5500 E ,PS6000 E/X/XV, PS6000 S/E	
Firmware version	4.1.3 or later	

Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit

Dell Servers:		
Supported servers (Rack):	PowerEdge PE1950III, PE2950III, PE2970, R805, R900, R905, R610, and R710	
Supported servers (Blade):	PowerEdge M600, M605, M805, M905, M610, and M710	
Supported servers (Tower):	PowerEdge PE2900III, T610, and T710	
Operating Systems:		
Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64)		
Microsoft Windows Server 2003 R2, Enterprise Edition SP2 (x86 and x64)		
Microsoft Windows Server 2008, Enterprise x64 Edition with Service Pack 2		
Host Integration Tools Kit (HIT):		
HIT	3.2	

iSCSI Components

iSCSI Initiator:		
Microsoft iSCSI Software Initiator	2.08	
iSNS:		
Microsoft iSNS Server	3.0	

iSCSI Interconnects

NICs (dedicated for iSCSI):		NIC Driver version
All supported non-blade servers	Broadcom 5708 Single Port 1GbE NIC with TOE	12.8.0_A01 or later
	Broadcom 5709 Single Port 1GbE NIC with TOE	12.8.0_A01 or later
	Intel PRO1000PT Single and Dual Port 1GbE NICs	11.0_A00 or later
M600, M605, M805, M905, M610, and M710	Broadcom 5708 1GbE NIC with TOE	12.8.0_A01 or later
	Broadcom 5709 1GbE NIC with TOE	12.8.0_A01 or later
Switches (dedicated for iSCSI):		
Any Gigabit Ethernet switch and Gigabit Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.		

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: April, 2009

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

Storage System:		
Storage Systems	PS5000E/PS5000X/PS5000XV/PS5500E/PS6000E/PS6000X/PS6000XV/PS6000S/PS6500E	
Firmware version	4.1.3 or later	

Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit

Dell Servers:	
Supported servers	Dell PowerEdge PE1950III, PE2900III, PE2950III, PE2970, R805, R900, R905, R610, R710, M600, M605, M805, M905, M610, and M710
Operating Systems:	
Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64)	
Microsoft Windows Server 2003 R2, Enterprise Edition SP2 (x86 and x64)	
Microsoft Windows Server 2008, Enterprise x64 Edition	

iSCSI Components

Host Integration Tools Kit (HIT):		
HIT	3.2	
iSCSI Initiator:		
Microsoft iSCSI Software Initiator	2.08	
iSNS:		
Microsoft iSNS Server	3.0	

iSCSI Interconnects

NICs (dedicated for iSCSI):		NIC Driver version
All supported non-blade servers	Broadcom 5708 Single Port 1GbE NIC with TOE	12.6.0_A03 or later
	Broadcom 5709 Single Port 1GbE NIC with TOE	12.6.0_A03 or later
	Intel PRO1000PT Single and Dual Port 1GbE NICs	11.0_A00 or later
M600, M605, M805, M905, M610, and M710	Broadcom 5708 1GbE NIC with TOE	11.0_A00 or later
	Broadcom 5709 1GbE NIC with TOE	12.6.0_A03 or later

Switches (dedicated for iSCSI):	
Any Gigabit Ethernet switch and Gigabit Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.	

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: January, 2009

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

Storage System:

Storage Systems	PS5000E/PS5000X/PS5000XV/PS5500E
Firmware version	4.1

Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit

Dell Servers:

Supported servers	Dell PowerEdge PE1950III, PE2900III, PE2950III, PE2970, R805, R900, R905, M600, M605, M805, and M905
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Operating Systems:

Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64)
Microsoft Windows Server 2003 R2, Enterprise Edition SP2 (x86 and x64)
Microsoft Windows Server 2008, Enterprise x64 Edition

Host Integration Tools Kit (HIT):

HIT	3.1.1	
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iSCSI Components

iSCSI Initiator:

Microsoft iSCSI Software Initiator	2.07	
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iSNS:

Microsoft iSNS Server	3.0	
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iSCSI Interconnects

NICs (dedicated for iSCSI):

All supported non-blade servers	NIC Driver version	
	Broadcom 5708 Single Port 1GbE NIC with TOE	10.51.01 or later
	Broadcom 5709 Single Port 1GbE NIC with TOE	4.4.0 or later
M600, M605, M805, and M905	Intel PRO1000PT Single and Dual Port 1GbE NICs	10.0 or later
	Broadcom 5708 1GbE NIC with TOE	10.51.01 or later
	Broadcom 5709 1GbE NIC with TOE	4.4.0 or later

Switches (dedicated for iSCSI):

Any Gigabit Ethernet switch and Gigabit Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays](#)

Dell Cluster Configuration Support Matrix

PowerEdge Cluster with Dell EqualLogic PS Series Arrays

Release Date: September, 2008

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

Storage System:	
Storage Systems	PS5000E/PS5000X/PS5000XV/PS5500E
Firmware version	4.0

Server Components

Up to 8 homogeneous nodes for Windows Server 2003 and up to 16 homogeneous nodes for Windows Server 2008 x64bit

Dell Servers:	
Supported servers	Dell PowerEdge PE1950III, PE2900III, PE2950III, PE2970, R805, R900, R905, M600, M605, M805, and M905
Operating Systems:	
Microsoft Windows Server 2003 Enterprise Edition, SP2 (x86 and x64)	
Microsoft Windows Server 2003 R2, Enterprise Edition SP2 (x86 and x64)	
Microsoft Windows Server 2008, Enterprise x64 Edition	

iSCSI Components

Host Integration Tools Kit (HIT):		
HIT	3.1.1	
iSCSI Initiator:		
Microsoft iSCSI Software Initiator	2.07	
iSNS:		
Microsoft iSNS Server	3.0	

iSCSI Interconnects

NICs (dedicated for iSCSI):		NIC Driver version
All supported non-blade servers	Broadcom 5708 Single Port 1GbE NIC with TOE	10.51.01 or later
	Broadcom 5709 Single Port 1GbE NIC with TOE	4.4.0 or later
	Intel PRO1000PT Single and Dual Port 1GbE NICs	10.0 or later
M600, M605, M805, and M905	Broadcom 5708 1GbE NIC with TOE	10.51.01 or later
	Broadcom 5709 1GbE NIC with TOE	4.4.0 or later

Switches (dedicated for iSCSI):	
Any Gigabit Ethernet switch and Gigabit Ethernet switch modules supported by EqualLogic. Please refer EqualLogic support matrix for more details.	

[For detailed information, please refer to the online documentation of PowerEdge Cluster with Dell EqualLogic PS Series Arrays](#)