



## HP Cluster Configuration Support Matrix For Microsoft Windows Server 2003, Enterprise Edition for Itanium-2 & HP StorageWorks MSA1000

Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
#1  Windows Server 2003, Enterprise Edition for Itanium-2 based Servers (64-bit) with Service Pack 1	Max supported nodes = 8  Integrity <ul style="list-style-type: none"> <li>• sx1000</li> <li>• sx2000</li> <li>• rx8640</li> <li>• rx8620</li> <li>• rx7640</li> <li>• rx7620</li> <li>• rx6600</li> <li>• rx4640</li> <li>• rx3600</li> <li>• rx2660</li> <li>• rx2620</li> <li>• rx1620</li> </ul> * Note: Servers can be used homogeneously or heterogeneously within a cluster.	<a href="#">SmartSetup</a> <b>Ver:</b> 4.6 and above	<a href="#">AD167A &amp; AD168A</a> <b>SCSI Port Driver:</b> 6-5.30a2 <b>FW:</b> 2.10a10 <b>StorPort Driver:</b> 6-1.20a7 <b>FW:</b> 2.10a10  <a href="#">A8002A &amp; A8003A</a> <b>StorPort Driver:</b> 6-1.20a7 <b>FW:</b> 2.50a6  <a href="#">AB232A</a> <b>ScsiPort Driver:</b> 6-5.30a2 <b>FW:</b> 1.91a5 <b>StorPort Driver:</b> 6-1.20a7 <b>FW:</b> 1.91a5  <a href="#">AB466A &amp; AB467A</a> <b>ScsiPort Driver:</b> 6-5.30a2 <b>FW:</b> 1.91a5 <b>StorPort Driver:</b> 6-1.20a7 <b>FW:</b> 1.91a5  <a href="#">AB429A &amp; AB379A/B</a> <b>StorPort Driver:</b> 9.1.0.18 <b>FW:</b> 4.00.70  <a href="#">AD300A &amp; AE311A</a> <b>StorPort Driver:</b> 9.1.0.18 <b>FW:</b> 4.00.70  Note1 : HBAs must be used homogeneously within a cluster.  Note2: Some HBAs may not be supported on specific Servers.	<a href="#">Secure Path</a> <b>Ver:</b> 4.0c SP1 <b>Raidisk.sys ver:</b> 3.7.2.240  <a href="#">Secure Path</a> <b>Ver:</b> 4.0c SP2 <b>Raidisk.sys ver:</b> 3.7.5.540	<a href="#">StorageWorks Modular SAN Array 1000 Controller</a> <b>Software FW:</b> 4.48	<b>B-Series</b> StorageWorks SAN Switches <b>FW:</b> 5.1.0  • <a href="#">SAN Switch 4/32</a> • <a href="#">SAN Director 2/128</a> • <a href="#">4/8 SAN Switch</a> • <a href="#">4/16 SAN Switch</a> • <a href="#">4/256 SAN Director</a>  <b>B-Series</b> StorageWorks SAN Switches <b>FW:</b> 5.0.3b  • <a href="#">Core Switch 2/64</a>  <b>M-Series</b> StorageWorks Director and Edge Switches <b>FW:</b> 08.01.01  • <a href="#">HP StorageWorks Director 2/64, 2/140</a> • <a href="#">HP StorageWorks Edge Switch 2/12, 2/16, 2/24, 2/32</a> • <a href="#">HP Surestore Director FC-64</a>  <b>C-Series</b> Cisco Switches <b>FW:</b> 3.0(1)  • <a href="#">Cisco MDS 9120</a> • <a href="#">Cisco MDS 9140</a> • <a href="#">Cisco MDS 9216A</a> • <a href="#">Cisco MDS 9216I</a> • <a href="#">Cisco MDS 9506</a> • <a href="#">Cisco MDS 9509</a> • <a href="#">Cisco MDS 9513</a>	<a href="#">Product Page</a>  <a href="#">Supporting Documentation</a>

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#2  Windows Server 2003, Enterprise Edition for Itanium-2 based Servers (64-bit) with Service Pack 1	<p>Max supported nodes = 8</p> <p>Integrity</p> <ul style="list-style-type: none"> <li>• sx1000</li> <li>• sx2000</li> <li>• rx8640</li> <li>• rx8620</li> <li>• rx7640</li> <li>• rx7620</li> <li>• rx4640</li> <li>• rx2620</li> <li>• rx2600</li> <li>• rx1620</li> </ul> <p>* Note: Servers can be used homogeneously or heterogeneously within a cluster.</p>	<p><a href="#">SmartSetup</a> Ver: 4.0 and above</p>	<p><a href="#">FC2143 &amp; FC2243</a> <b>ScsiPort</b> Driver: 6-5.20a9 <b>FW:</b> 2.10a7</p> <p><b>Or StorPort</b> Driver: 6-1.11x1 <b>FW:</b> 2.10a7</p> <p><a href="#">AB232A</a> <b>ScsiPort</b> Driver: 6-5.20a9 <b>FW:</b> 1.91a1</p> <p><b>Or StorPort</b> Driver: 6-1.10.a4 <b>FW:</b> 1.91a1</p> <p><a href="#">AB466A &amp; AB467A</a> <b>ScsiPort</b> Driver: 6-5.20a9 <b>FW:</b> 1.91a1</p> <p><b>Or StorPort</b> Driver: 6-1.10.a4 <b>FW:</b> 1.91a1</p> <p>* Note: HBAs must be used homogeneously within a cluster.</p>	<p><a href="#">Secure Path</a> Ver: 4.0c SP1 <b>Raidisk.sys</b> ver: 3.7.2.240</p> <p><a href="#">Secure Path</a> Ver: 4.0c SP2 <b>Raidisk.sys</b> ver: 3.7.5.540</p>	<p><a href="#">StorageWorks Modular SAN Array 1000</a> <b>Controller Software FW:</b> 4.48</p>	<p><b>B-Series</b> StorageWorks SAN Switches <b>FW:</b> 5.1.0</p> <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 4/32</a></li> <li>• <a href="#">SAN Director 2/128</a></li> <li>• <a href="#">4/8 SAN Switch</a></li> <li>• <a href="#">4/16 SAN Switch</a></li> <li>• <a href="#">4/256 SAN Director</a></li> </ul> <p><b>B-Series</b> StorageWorks SAN Switches <b>FW:</b> 5.0.3b</p> <ul style="list-style-type: none"> <li>• <a href="#">Core Switch 2/64</a></li> </ul> <p><b>M-Series</b> StorageWorks Director and Edge Switches <b>FW:</b> 08.01.01</p> <ul style="list-style-type: none"> <li>• <a href="#">HP StorageWorks Director 2/64, 2/140</a></li> <li>• <a href="#">HP StorageWorks Edge Switch 2/12, 2/16, 2/24, 2/32</a></li> <li>• <a href="#">HP Surestore Director FC-64</a></li> </ul> <p><b>C-Series</b> Cisco Switches <b>FW:</b> 3.0(1)</p> <ul style="list-style-type: none"> <li>• <a href="#">Cisco MDS 9120</a></li> <li>• <a href="#">Cisco MDS 9140</a></li> <li>• <a href="#">Cisco MDS 9216A</a></li> <li>• <a href="#">Cisco MDS 9216i</a></li> <li>• <a href="#">Cisco MDS 9506</a></li> <li>• <a href="#">Cisco MDS 9509</a></li> <li>• <a href="#">Cisco MDS 9513</a></li> </ul>	<p><a href="#">Product Page</a></p> <p><a href="#">Supporting Documentation</a></p>

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Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
#3  Windows Server 2003, Enterprise Edition for Itanium-2 based Servers (64-bit) with Service Pack 1	Max supported nodes = 8  Integrity  rx8620 rx7620 rx5670 rx4640 rx2620 rx2600 rx1620  * Note: Servers can be used homogeneously or heterogeneously within a cluster.	<a href="#">SmartSetup</a> Ver: 3.4 and above	<a href="#">AB232A</a> <b>ScsiPort Driver:</b> 6-5.20a9 <b>FW:</b> 1.91a1  <b>Or StorPort Driver:</b> 6-1.10.a4 <b>FW:</b> 1.91a1  <a href="#">AB466A &amp; AB467A</a> <b>ScsiPort Driver:</b> 6-5.20a9 <b>FW:</b> 1.91a1  <b>Or StorPort Driver:</b> 6-1.10.a4 <b>FW:</b> 1.91a1  ** Note: HBAs must be used homogeneously within a cluster.	<a href="#">Secure Path</a> <b>Ver:</b> 4.0c SP1 <b>Raidisk.sys ver:</b> 3.7.2.240  <a href="#">Secure Path</a> <b>Ver:</b> 4.0c SP2 <b>Raidisk.sys ver:</b> 3.7.5.540	<a href="#">StorageWorks Modular SAN Array 1000</a> <b>Controller Software FW:</b> 4.48	<b>B-Series</b> StorageWorks SAN Switches (8/16 ports 2GB) <b>FW:</b> 3.2  <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 2/8V</a></li> <li>• <a href="#">MSA SAN Switch 2/8 ++</a></li> <li>• <a href="#">SAN Switch 2/16</a></li> <li>• <a href="#">SAN Switch 2/16V</a></li> <li>• <a href="#">SAN Switch 2/16N FF</a></li> </ul> StorageWorks SAN Switches (>32 ports ) <b>FW:</b> 4.4.0b  <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 2/32</a></li> <li>• <a href="#">Core Switch 2/64</a></li> <li>• <a href="#">SAN Director 2/128</a></li> </ul> <b>M-Series</b> StorageWorks Director and Edge Switches <b>FW:</b> 07.00.00-84  <ul style="list-style-type: none"> <li>• <a href="#">Director 2/64</a></li> <li>• <a href="#">Director 2/140</a></li> <li>• <a href="#">Edge Switch 2/12</a></li> <li>• <a href="#">Edge Switch 2/24</a></li> <li>• <a href="#">Edge Switch 2/32</a></li> </ul> <b>C-Series</b> Cisco Switches <b>FW:</b> 2.01b  <ul style="list-style-type: none"> <li>• <a href="#">MDS 9120</a></li> <li>• <a href="#">MDS 9140</a></li> <li>• <a href="#">MDS 9216</a></li> <li>• <a href="#">MDS 9506</a></li> <li>• <a href="#">MDS 9509</a></li> </ul>	<a href="#">Product Page</a>  <a href="#">Supporting Documentation</a>

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Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
#4 Windows Server 2003, Enterprise Edition for Itanium-2 based Servers (64-bit)	<p>Max supported nodes = 8</p> <p>Integrity</p> <ul style="list-style-type: none"> <li>rx8620</li> <li>rx7620</li> <li>rx5670</li> <li>rx4640</li> <li>rx2620</li> <li>rx2600</li> <li>rx1620</li> </ul> <p>* Note: Servers can be used homogeneously or heterogeneously within a cluster.</p>	<p><a href="#">SmartSetup</a> Ver: 3.0 and above</p>	<p><a href="#">AB232A</a> Driver: 6-5.10a9 FW: 1.81a2</p> <p>or</p> <p>Driver: 6-5.10a10 FW: 1.81a2</p> <p><a href="#">AB466A &amp; AB467A</a> Driver: 6-5.10a9 FW: 1.81a3</p> <p>or</p> <p>Driver: 6-5.10a10 FW: 1.81a3</p> <p>** Note: HBAs must be used homogeneously within a cluster.</p>	<p><a href="#">Secure Path</a> Ver: 4.0c SP1 <a href="#">Raidisk.sys</a> ver: 3.7.4.460</p>	<p><a href="#">StorageWorks Modular SAN Array 1000</a> Controller Software FW: 4.32</p>	<p><b>B-Series</b> <a href="#">StorageWorks SAN Switches (8/16 ports 2GB)</a> FW: 3.1.3a or 3.1.3</p> <ul style="list-style-type: none"> <li><a href="#">SAN Switch 2/8V</a></li> <li><a href="#">MSA SAN Switch 2/8</a> ++</li> <li><a href="#">SAN Switch 2/16</a></li> <li><a href="#">SAN Switch 2/16V</a></li> <li><a href="#">SAN Switch 2/16N FF</a></li> </ul> <p><a href="#">StorageWorks SAN Switches (&gt;32 ports)</a> FW: 4.2.2a or 4.2.2</p> <ul style="list-style-type: none"> <li><a href="#">SAN Switch 2/32</a></li> <li><a href="#">Core Switch 2/64</a></li> <li><a href="#">SAN Director 2/128</a></li> </ul> <p><b>M-Series</b> <a href="#">StorageWorks Director and Edge Switches</a> FW: 06.02.00-22 or 06.01.00-18</p> <ul style="list-style-type: none"> <li><a href="#">Director 2/64</a></li> <li><a href="#">Director 2/140</a></li> <li><a href="#">Edge Switch 2/12</a></li> <li><a href="#">Edge Switch 2/24</a></li> <li><a href="#">Edge Switch 2/32</a></li> </ul> <p><b>C-Series</b> <a href="#">Cisco Switches</a> FW: 1.3.4a</p> <ul style="list-style-type: none"> <li><a href="#">MDS 9120</a></li> <li><a href="#">MDS 9140</a></li> <li><a href="#">MDS 9216</a></li> <li><a href="#">MDS 9506</a></li> <li><a href="#">MDS 9509</a></li> </ul>	<p><a href="#">Product Page</a></p> <p><a href="#">Supporting Documentation</a></p>

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#5  Windows Server 2003, Enterprise Edition for Itanium-2 based Servers (64-bit)	Max supported nodes = 8  Integrity <ul style="list-style-type: none"> <li>• rx8620</li> <li>• rx7620</li> <li>• rx5670</li> <li>• rx4640</li> <li>• rx2600</li> </ul> * Note: Servers can be used homogeneously or heterogeneously within a cluster.	<a href="#">SmartSetup</a> Ver: 2.0 and above	<a href="#">AB232A</a> Driver: 6-5.10a9 FW: 1.81a2  Driver: 6-5.10a10 FW: 1.81a2  <a href="#">AB466A &amp; AB467A</a> Driver: 6-5.10a9 FW: 1.81a3  Driver: 6-5.10a10 FW: 1.81a3  ** Note: HBAs must be used homogeneously within a cluster.	<a href="#">Secure Path</a> Ver: 4.0c SP1 <b>Raidisk.sys</b> ver: 3.7.4.460	<a href="#">StorageWorks Modular SAN Array 1000</a> <b>Controller Software FW: 4.32</b>	HP 1GB SAN Switches FW: 2.6.2 or 2.6.1c  • <a href="#">SAN Switch 16-EL</a> • <a href="#">SAN Switch 8-EL</a> • <a href="#">SAN Switch 8 &amp; 16</a> • <a href="#">SAN Switch Integrated 32</a> • <a href="#">SAN Switch Integrated 64</a>  HP 2GB SAN Switches 8/16 ports FW: 3.1.2 or 3.1.1c  • <a href="#">SAN Switch 2/8 EL</a> • <a href="#">SAN Switch 2/16 EL</a> • <a href="#">SAN Switch 2/16</a>  HP 2GB SAN Switches >32 ports FW: 4.2.0b  • <a href="#">SAN Switch 2/32</a> • <a href="#">Core Switch 2/64</a>  HP Director and Edge Switches FW: 05.05.00-13  • <a href="#">Director 2/64</a> • <a href="#">Director 2/140</a> • <a href="#">Edge Switch 2/16</a> • <a href="#">Edge Switch 2/24</a> • <a href="#">Edge Switch 2/32</a> • <a href="#">Edge Switch 2/12</a>  HP C-Series Switches FW: 1.2.1a and 1.2.1b » <a href="#">Cisco MDS 9506</a> » <a href="#">Cisco MDS 9509</a> » <a href="#">Cisco MDS 9216</a> » <a href="#">Cisco MDS 9120</a> » <a href="#">Cisco MDS 9140</a>	<a href="#">Product Page</a>  <a href="#">Supporting Documentation</a>

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