



## HP Cluster Configuration Support Matrix For Microsoft Windows 2003 Server, Enterprise Edition for Itanium-2 & HP StorageWorks Disk Array XP512 & XP48

Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
<p>#1</p> <p>Microsoft Windows Server 2003, Enterprise Edition for Itanium-2 based Servers (64-bit) With Service Pack 1</p>	<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>• rx6600</li> <li>• rx4640</li> <li>• rx3600</li> <li>• rx2660</li> <li>• rx2620</li> <li>• rx1620</li> </ul> <p>* Note: Servers can be used homogeneously or heterogeneously within a cluster.</p>	<p><a href="#">SmartSetup</a> Ver: 4.6 and above</p>	<p><a href="#">FC2143 &amp; FC2243</a> <b>ScsiPort</b> Driver: 6-5.20a9 FW: 2.10a7</p> <p>Or <b>StorPort</b> Driver: 6-1.11x1 FW: 2.10a7</p> <p><a href="#">AB232A</a> <b>ScsiPort</b> Driver: 6-5.20a9 FW: 1.91a1</p> <p>Or <b>StorPort</b> Driver: 6-1.10.a4 FW: 1.91a1</p> <p><a href="#">AB466A &amp; AB467A</a> <b>ScsiPort</b> Driver: 6-5.20a9 FW: 1.91a1</p> <p>Or <b>StorPort</b> Driver: 6-1.10.a4 FW: 1.91a1</p> <p>* Note: HBAs must be used homogeneously within a cluster.</p>	<p><a href="#">Secure Path</a> Ver: 4.0c SP2 Hpap.sys ver: 3.2.130.0</p> <p><a href="#">Secure Path</a> Ver: 4.0c SP1 Hpap.sys ver: 3.1.130.0</p>	<p><a href="#">HP StorageWorks Disk Array XP512</a> <b>Controller Firmware:</b> 01.19.51.00/00</p> <p><a href="#">HP StorageWorks Disk Array XP48</a> <b>Controller Firmware:</b> 01.19.51.00/00</p> <p><a href="#">HP StorageWorks Cluster Extension XP</a> version 2.05.01</p>	<p><b>B-Series</b> StorageWorks SAN Switches FW: 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 FW: 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 FW: 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 FW: 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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#2  Microsoft 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> <b>Ver:</b> 3.4 and above	<a href="#">AB232A ScsiPort Driver:</a> 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 ScsiPort Driver:</a> 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 Ver:</a> 4.0c SP2 <b>Hpap.sys ver:</b> 3.2.130.0  <a href="#">Secure Path Ver:</a> 4.0c SP1 <b>Hpap.sys ver:</b> 3.1.130.0	<a href="#">HP StorageWorks Disk Array XP512 Controller Firmware:</a> 01.19.51.00/00  <a href="#">HP StorageWorks Disk Array XP48 Controller Firmware:</a> 01.19.51.00/00  <a href="#">HP StorageWorks Cluster Extension XP</a> version 2.05.01	<b>B-Series StorageWorks SAN Switches</b> <b>FW:</b> 5.1.0  <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> <b>B-Series StorageWorks SAN Switches</b> <b>FW:</b> 5.0.3b  <ul style="list-style-type: none"> <li>• <a href="#">Core Switch 2/64</a></li> </ul> <b>M-Series StorageWorks Director and Edge Switches</b> <b>FW:</b> 08.01.01  <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> <b>C-Series Cisco Switches</b> <b>FW:</b> 3.0(1)  <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>	<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
#3  Microsoft 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>	SmartSetup Ver: 3.0 and above	<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="#">Auto Path</a> Version: 4.0c SP1 Hpap.sys ver: 3.1.130.0</p>	<p><a href="#">HP StorageWorks Disk Array XP512</a> Controller Firmware: 01.19.51.00/00</p> <p><a href="#">HP StorageWorks Disk Array XP48</a> Controller Firmware: 01.19.51.00/00</p> <p><a href="#">HP StorageWorks Cluster Extension XP</a> version 2.05.01</p>	<p><b>B-Series</b> StorageWorks SAN Switches (8/16 ports 2GB) 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>StorageWorks SAN Switches (&gt;32 ports ) 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> StorageWorks Director and Edge Switches 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> Cisco Switches 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> <p>January 2005</p>