



## HP Cluster Configuration Support Matrix For Microsoft Windows 2003 Server, Datacenter Edition for Itanium-2 & HP StorageWorks EVA3000 and EVA5000

Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
<p>#1</p> <p>Windows Server 2003, Datacenter 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> </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="#">AD167A &amp; AD168A</a> SCSI Port Driver: 6-5.30a2 FW: 2.10a10 StorPort Driver: 6-1.20a7 FW: 2.10a10</p> <p><a href="#">A8002A &amp; A8003A</a> StorPort Driver: 6-1.20a7 FW: 2.50a6</p> <p><a href="#">AB232A</a> ScsiPort Driver: 6-5.30a2 FW: 1.91a5 StorPort Driver: 6-1.20a7 FW: 1.91a5</p> <p><a href="#">AB466A &amp; AB467A</a> ScsiPort Driver: 6-5.30a2 FW: 1.91a5 StorPort Driver: 6-1.20a7 FW: 1.91a5</p> <p><a href="#">AB429A &amp; AB379A/B</a> StorPort Driver: 9.1.0.18 FW: 4.00.70</p> <p><a href="#">AD300A &amp; AE311A</a> StorPort Driver: 9.1.0.18 FW: 4.00.70</p> <p>Note1 : HBAs must be used homogeneously within a cluster.</p> <p>Note2: Some HBAs may not be supported on specific Servers.</p>	<p><a href="#">Windows MPIO Full Featured DSM for EVA:</a> V2.01.00</p> <p><a href="#">Secure Path</a> Ver: 4.0c SP1 Raidisk.sys ver: 3.7.2.240</p> <p><a href="#">Secure Path</a> Ver: 4.0c SP2 Raidisk.sys ver: 3.7.5.540</p>	<p><a href="#">StorageWorks Enterprise Virtual Array 5000</a> Virtual Controller Software (VCS) FW: V4.004</p> <p><a href="#">StorageWorks Enterprise Virtual Array 3000</a> Virtual Controller Software (VCS) FW: V4.004</p>	<p><a href="#">B-Series</a> 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><a href="#">B-Series</a> 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><a href="#">M-Series</a> 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><a href="#">C-Series</a> 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  Windows Server 2003, Datacenter 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> </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 Driver:</b> 6-5.20a9 <b>FW:</b> 2.10a7</p> <p><b>Or StorPort Driver:</b> 6-1.11x1 <b>FW:</b> 2.10a7</p> <p><a href="#">AB232A</a> <b>ScsiPort Driver:</b> 6-5.20a9 <b>FW:</b> 1.91a1</p> <p><b>Or StorPort Driver:</b> 6-1.10.a4 <b>FW:</b> 1.91a1</p> <p><a href="#">AB466A &amp; AB467A</a> <b>ScsiPort Driver:</b> 6-5.20a9 <b>FW:</b> 1.91a1</p> <p><b>Or StorPort Driver:</b> 6-1.10.a4 <b>FW:</b> 1.91a1</p> <p>* Note: HBAs must be used homogeneously within a cluster.</p>	<p><a href="#">Windows MPIO Full Featured DSM for EVA:</a> V1.00.00</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 Enterprise Virtual Array 5000</a> <b>Virtual Controller Software (VCS) FW:</b> V4.001</p> <p><a href="#">StorageWorks Enterprise Virtual Array 3000</a> <b>Virtual Controller Software (VCS) FW:</b> V4.001</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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## HP Cluster Configuration Support Matrix For Microsoft Windows 2003 Server, Datacenter Edition for Itanium-2 & HP StorageWorks EVA3000 and EVA5000

Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
#3 Windows Server 2003, Datacenter Edition for Itanium-2 based Servers (64-bit) With Service Pack 1	<p>Max supported nodes = 8</p> <p>Integrity</p> <p>Superdome rx8620 rx7620</p> <p>* Note: Servers can be used homogeneously or heterogeneously within a cluster.</p>	<p><a href="#">SmartSetup</a> Ver: 3.4 and above</p>	<p><a href="#">AB232A</a> <b>ScsiPort Driver:</b> 6-5.20a9 <b>FW:</b> 1.91a1</p> <p><b>Or StorPort Driver:</b> 6-1.10.a4 <b>FW:</b> 1.91a1</p> <p><a href="#">AB466A &amp; AB467A</a> <b>ScsiPort Driver:</b> 6-5.20a9 <b>FW:</b> 1.91a1</p> <p><b>Or StorPort Driver:</b> 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 ver:</b> 3.7.2.240</p> <p><a href="#">Secure Path</a> Ver: 4.0c SP2 <b>Raidisk.sys ver:</b> 3.7.5.540</p>	<p><a href="#">StorageWorks Enterprise Virtual Array 5000</a> <b>Virtual Controller Software (VCS) FW:</b> V3.025</p> <p><a href="#">StorageWorks Enterprise Virtual Array 3000</a> <b>Virtual Controller Software (VCS) FW:</b> V3.025</p>	<p><b>B-Series</b> StorageWorks SAN Switches <b>FW:</b> 5.10</p> <ul style="list-style-type: none"> <li>•SAN Switch 2/32</li> <li>•Core Switch 2/64</li> <li>•SAN Director 2/128</li> <li>•4/8 SAN Switch</li> <li>•4/16 SAN Switch</li> <li>•4/256 SAN Director</li> </ul> <p><b>M-Series</b> StorageWorks Director and Edge Switches <b>FW:</b> 07.00.00-84</p> <ul style="list-style-type: none"> <li>• HP StorageWorks Director 2/64, 2/140</li> <li>• HP StorageWorks Edge Switch 2/12, 2/16, 2/24, 2/32</li> <li>• HP Surestore Director FC-64</li> <li>• CPQ StorageWorks SAN Director 64</li> </ul> <p><b>C-Series</b> Cisco Switches <b>FW:</b> 3.0(1)</p> <ul style="list-style-type: none"> <li>•Cisco MDS 9120</li> <li>•Cisco MDS 9140</li> <li>•Cisco MDS 9216</li> <li>•Cisco MDS 9216A</li> <li>•Cisco MDS 9216i</li> <li>•Cisco MDS 9506</li> <li>•Cisco MDS 9509</li> <li>•Cisco MDS 9513</li> </ul>	<p><a href="#">Product Page</a></p> <p><a href="#">Supporting Documentation</a></p> <p>September 2005</p>

Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
#4 Windows Server 2003, Datacenter Edition for Itanium-2 based Servers (64-bit)	<p>Max supported nodes = 8</p> <p>Integrity</p> <ul style="list-style-type: none"> <li>Superdome</li> <li>rx8620</li> <li>rx7620</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: 3.7.2.240</p>	<p><a href="#">StorageWorks Enterprise Virtual Array 5000</a> Virtual Controller Software (VCS) FW: V3.020</p> <p><a href="#">StorageWorks Enterprise Virtual Array 3000</a> Virtual Controller Software (VCS) FW: V3.020</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>

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Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
<p>#5</p> <p>Windows Server 2003, Datacenter Edition for Itanium-2 based Servers (64-bit)</p>	<p>Max supported nodes = 8</p> <p>Integrity</p> <ul style="list-style-type: none"> <li>• Superdome</li> <li>• rx8620</li> <li>• rx7620</li> </ul> <p>* Note: Servers can be used homogeneously or heterogeneously within a cluster.</p>	<p><a href="#">SmartSetup</a> Ver: 2.0 and above</p>	<p><a href="#">AB232A</a> Driver: 6-5.10a9 FW: 1.81a2</p> <p><a href="#">AB466A &amp; AB4667A</a> Driver: 6-5.10a9 FW: 1.81a2</p> <p>** Note: HBAs must be used homogeneously within a cluster.</p>	<p><a href="#">Secure Path</a> Ver: 4.0c <a href="#">Raidisk.sys</a> ver: 3.7.2.240</p>	<p><a href="#">StorageWorks Enterprise Virtual Array 5000</a> Virtual Controller Software (VCS) FW: V3.010 &amp; V3.014</p> <p><a href="#">StorageWorks Enterprise Virtual Array 3000</a> Virtual Controller Software (VCS) FW: V3.010 &amp; V3.014</p>	<p>HP 1GB SAN Switches FW: 2.6.2 or 2.6.1c</p> <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 16-EL</a></li> <li>• <a href="#">SAN Switch 8-EL</a></li> <li>• <a href="#">SAN Switch 8 &amp; 16</a></li> <li>• <a href="#">SAN Switch Integrated 32</a></li> <li>• <a href="#">SAN Switch Integrated 64</a></li> </ul> <p>HP 2GB SAN Switches 8/16 ports FW: 3.1.2 or 3.1.1c</p> <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 2/8 EL</a></li> <li>• <a href="#">SAN Switch 2/16 EL</a></li> <li>• <a href="#">SAN Switch 2/16</a></li> </ul> <p>HP 2GB SAN Switches &gt;32 ports FW: 4.2.0b</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> </ul> <p>HP Director and Edge Switches FW: 05.02.00-13</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 2/16</a></li> <li>• <a href="#">Edge Switch 2/24</a></li> <li>• <a href="#">Edge Switch 2/32</a></li> <li>• <a href="#">Edge Switch 2/12</a></li> </ul> <p>HP C-Series Switches FW: 1.2.1a and 1.2.1b</p> <ul style="list-style-type: none"> <li>» <a href="#">Cisco MDS 9506</a></li> <li>» <a href="#">Cisco MDS 9509</a></li> <li>» <a href="#">Cisco MDS 9216</a></li> <li>» <a href="#">Cisco MDS 9120</a></li> <li>» <a href="#">Cisco MDS 9140</a></li> </ul>	<p><a href="#">Product Page</a></p> <p><a href="#">Supporting Documentation</a></p> <p>April 2004</p>