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## HP Cluster Configuration Support Matrix for Microsoft Windows Server 2003, x64 Editions & HP StorageWorks MSA1500cs/MSA1000

Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
Windows Server 2003, x64 Editions SP2	<p>Max supported nodes = 8</p> <p>ProLiant</p> <ul style="list-style-type: none"> <li>• BL20p G3<sup>^^</sup></li> <li>• BL35p<sup>^^</sup></li> <li>• BL25p<sup>^^^</sup></li> <li>• BL45p<sup>^^^</sup></li> <li>• DL360 G4, DL360 G5</li> <li>• DL360 G4p</li> <li>• DL365</li> <li>• DL380 G4, DL380 G5</li> <li>• DL580 G3, DL580 G4</li> <li>• DL585, DL585 G2</li> <li>• DL385, DL385 G2</li> <li>• ML370 G4, ML370 G5</li> <li>• ML570 G3, ML570 G4</li> <li>• BL460c</li> <li>• BL480c</li> <li>• BL465c</li> <li>• BL685c</li> </ul> <p><b>*Note:</b> Servers can be used homogeneously or heterogeneously within a cluster.</p> <p><b>^Note:</b> Supports the FC Mezzanine card only.</p> <p><b>^^Note:</b> Supports the FC Balcony card only.</p> <p><b>^^^Note:</b> Supports the FC Adapter Card BL20p G3</p> <p><b>^^^Note:</b> Supports the HPBALCF 105</p> <p><b>Server Software:</b> <a href="#">SmartStart Ver: 7.70</a> (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p>	<p><b>HBA Family 1</b> <b>StorPort Driver:</b> 7-1.20a7 <b>FW:</b> 1.91a5 <b>BIOS:</b> 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">FCA2404</a></li> <li>• <a href="#">FCA2404DC</a></li> <li>• <a href="#">A7387A</a></li> <li>• <a href="#">A7388A</a></li> </ul> <p><b>HBA Family 2</b> <b>StorPort Driver:</b> 7-1.20a7 <b>FW:</b> 1.91a5 <b>BIOS:</b> 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">E-FC Balcony Card</a> <sup>^^</sup></li> <li>• <a href="#">E-FC Adapter Card</a> <sup>^^^</sup></li> </ul> <p><b>^^For the BL25p, BL35p, &amp; BL45p use E-FC Balcony Card.</b></p> <p><b>^^^For the BL20p G3 use E-FC Adapter Card</b></p> <p><b>HBA Family 3</b> <b>StorPort Driver:</b> 9.1.3.16 <b>FW:</b> Loaded from Driver <b>BIOS FC Balcony:</b> 1.48 <b>BIOS:</b> 1.45</p> <ul style="list-style-type: none"> <li>• <a href="#">FCA2214</a></li> <li>• <a href="#">FCA2214DC</a></li> <li>• <a href="#">FC Balcony card</a></li> <li>• <a href="#">FC Mezz card</a> <sup>^</sup></li> </ul> <p><b>^For the BL20p G3 use:</b> <b>BIOS:</b> 1.45 bl20p G3</p> <p><b>HBA Family 4</b> <b>StorPort Driver:</b> 9.1.3.16 <b>FW:</b> N/A <b>BIOS:</b> 1.48</p> <ul style="list-style-type: none"> <li>• <a href="#">HPBALCF105</a> for BL25p, BL45p</li> </ul> <p><b>HBA Family 5</b> <b>StorPort Driver:</b> 7-1.20a7 <b>FW:</b> 2.70a5 <b>BIOS:</b> 1.71a0</p> <p><a href="#">FC2142</a> <a href="#">FC2242</a></p> <p><b>HBA Family 6</b> <b>StorPort Driver:</b> 7-1.20a7 <b>FW:</b> 2.70a5 <b>BIOS:</b> 1.71a0</p> <p><a href="#">FC2143</a> <a href="#">FC2243</a></p> <p><b>HBA Family 7</b> <b>StorPort Driver:</b> 7-1.20a7 <b>FW:</b> 2.70a5 <b>BIOS:</b> 3.00a4</p>	<p><a href="#">HP Full Featured MPIO</a> V1.00.01</p>	<p><a href="#">StorageWorks MSA1500</a> <b>Storage Controller FW:</b> v7.00</p> <p><a href="#">StorageWorks MSA1000</a> <b>Storage Controller FW:</b> v7.00</p> <p><a href="#">MSA20 SATA Disk Enclosure:</a> 2.02*</p> <p><b>*MSA20 SATA Disk Enclosure only attached to MSA1500</b></p>	<p><b>B-Series</b> StorageWorks SAN Switches (8/16 ports 2GB) <b>FW:</b> 3.2.1c</p> <p><a href="#">MSA SAN Switch 2/8^</a> <a href="#">SAN Switch 2/16</a></p> <p><b>FW:</b> 5.2.1b</p> <p><a href="#">SAN Switch 2/32</a> <a href="#">SAN Switch 2/8V</a> <a href="#">SAN Switch 2/16V</a> <a href="#">SAN Switch 2/16N FF</a> <a href="#">SAN Director 2/128</a></p> <p>StorageWorks SAN Switches (&gt;32 ports ) <b>FW:</b> 5.0.5c</p> <ul style="list-style-type: none"> <li>• <a href="#">Core Switch 2/64</a></li> </ul> <p>StorageWorks SAN Switches (4GB ) <b>FW:</b> 5.2.1b</p> <ul style="list-style-type: none"> <li>• <a href="#">4/8 SAN Switch</a></li> <li>• <a href="#">4/16 SAN Switch</a></li> <li>• <a href="#">4/32 SAN Switch</a></li> <li>• <a href="#">4/256 SAN Director</a></li> </ul> <p><b>M-Series</b> StorageWorks Director and Edge Switches <b>FW:</b> 09.03.00</p> <p><a href="#">Director 2/64</a> <a href="#">Director 2/140</a> <a href="#">Edge Switch 2/12</a> <a href="#">Edge Switch 2/24</a> <a href="#">Edge Switch 2/32</a></p> <p><b>C-Series</b> Cisco Switches <b>FW:</b> 3.1(3a)</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><b>^^Note:</b> Not supported with BL server line.</p> <p><b>*Note:</b> BL30p server supported with B-series switches only.</p>	<p><a href="#">Product Page</a></p> <p><a href="#">Supporting Documentation</a></p> <p><a href="#">MSCS Support Matrix - archive</a></p> <p style="text-align: right;">August 2007</p>

		<p><a href="#">LPe1105</a></p> <p><b>HBA Family 8</b> <b>StorPort Driver:</b> 9.1.3.16 <b>FW:</b> Loaded from driver <b>BIOS:</b> 1.16</p> <p><a href="#">FC1143</a> <a href="#">FC1243</a></p> <p><b>HBA Family 9</b> <b>StorPort Driver:</b> 9.1.3.16 <b>FW:</b> Loaded from driver <b>BIOS:</b> 1.26</p> <p><a href="#">QMH2426</a></p> <p><b>HBA Family 10</b> <b>StorPort Driver:</b> 9.1.3.16 <b>FW:</b> Loaded from driver <b>BIOS:</b> 1.16</p> <p><a href="#">FC1142</a> <a href="#">FC1242</a></p> <p><b>*Note 1:</b> HBAs must be used homogeneously within a cluster; but can be mixed if they are from the same HBA family as identified above.</p> <p><b>*Note 2:</b> Refer to Server QuickSpecs for confirmation on supported HBAs.</p> <p><b>*Note 3:</b> Check Microsoft site for hotfixes.</p>				
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