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## HP Cluster Configuration Support Matrix

### For Microsoft Windows 2000 Advanced Server & Windows Server 2003, X86 Editions & HP StorageWorks EVA 8x00, EVA 6x00, EVA 4x00

Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
<p>#1</p> <p>Windows Server 2003, EE R2 SP2</p> <p>&amp;</p> <p>Windows 2000 Advanced Server, SP4</p>	<p>Max supported nodes = 8</p> <p>ProLiant</p> <ul style="list-style-type: none"> <li>• BL20p G2^</li> <li>• BL20p G3^^</li> <li>• BL40p</li> <li>• BL30p^^</li> <li>• BL35p^^</li> <li>• BL25p^^^^</li> <li>• BL45p^^^^</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>• ML530, ML530 G2</li> <li>• ML570 G3, ML570 G4</li> <li>• BL460c</li> <li>• BL480c</li> <li>• BL465c</li> <li>• BL685c</li> </ul> <p>*Note: Servers can be used homogeneously or heterogeneously within a cluster.</p> <p>Maximum supported nodes for BL30p in a SCSIport config = 2</p> <p>^^Note: Supports the FC Mezzanine card only.</p> <p>^^Note: Supports the FC Balcony card only.</p> <p>^^^Note: Supports the FC Adapter Card BL20p G3</p> <p>^^^^Note: Supports the HPBALCF 105</p> <p><b>Server Software:</b>  <a href="#">SmartStart</a>            Ver: 7.70            (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p>	<p><b>HBA Family 1</b>  <b>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 1.91a5  <b>BIOS:</b> 1.71a0</p> <p><b>StorPort Driver:</b> 5-1.20a7  <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>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 1.91a5  <b>BIOS :</b> 1.71a0</p> <p><b>StorPort Driver:</b> 5-1.20a7  <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> ^^</li> <li>• <a href="#">E-FC Adapter Card</a> ^^^</li> </ul> <p>^^For the BL25p, BL30p, BL35p, &amp; BL45p use E-FC Balcony Card.</p> <p>^^^For the BL20p G3 use E-FC Adapter Card.</p> <p><b>HBA Family 3</b>  <b>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 3.93a0  <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 3.93a0  <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"> <li>• <a href="#">FCA2101</a></li> <li>• <a href="#">FCA2355</a></li> </ul> <p><b>HBA Family 4</b>  <b>SCSIport Driver:</b> 9.1.3.11  <b>FW:</b> Loaded from Driver  <b>BIOS FC Balcony:</b> 1.48  <b>BIOS:</b> 1.45</p> <p><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> ^</li> </ul> <p>^For the BL20p G3 use:  <b>BIOS:</b> 1.45 bl20p G3</p> <p><b>HBA Family 5</b>  <b>SCSIport Driver:</b> 9.1.3.11  <b>FW:</b> NA  <b>BIOS:</b> 1.48</p> <p><b>StorPort Driver:</b> 9.1.3.16  <b>FW:</b> NA  <b>BIOS:</b> 1.48</p> <p><a href="#">HPBALCF105</a> for BL25p and BL45p</p> <p><b>HBA Family 6</b>  <b>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 2.70a5  <b>BIOS:</b> 1.71a0</p> <p><b>StorPort Driver:</b> 5-1.20a7  <b>FW:</b> 2.70a5  <b>BIOS:</b> 1.71a0</p>	<p><a href="#">Windows MPIO DSM for EVA</a>  <b>Ver: 2.01.00</b></p>	<p><a href="#">StorageWorks 8x00 Enterprise Virtual Array</a>  <b>Array Controller Firmware 6.100</b></p> <p><a href="#">StorageWorks 6x00 Enterprise Virtual Array</a>  <b>Array Controller Firmware 6.100</b></p> <p><a href="#">StorageWorks 4x00 Enterprise Virtual Array</a>  <b>Array Controller Firmware 6.100</b></p> <p><a href="#">CLX EVA for Windows</a>    1.01.01</p> <p><a href="#">Continuous Access EVA Software</a>    Version 2.1</p> <p><a href="#">Command View Supported:</a>    V6.0.x</p>	<p><b>B-Series</b>  <b>StorageWorks SAN Switches</b> (8/16 ports 2GB)  <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><b>StorageWorks SAN Switches</b> (&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><b>StorageWorks SAN Switches</b> (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>  <b>StorageWorks Director and Edge Switches</b>  <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>  <b>Cisco Switches</b>  <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>^^Note: Not supported with BL server line.</p> <p>*Note: 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>

		<ul style="list-style-type: none"> <li>• <a href="#">FC2142</a></li> <li>• <a href="#">FC2242</a></li> </ul> <p><b>HBA Family 7</b>  <b>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 2.70a5  <b>BIOS:</b> 1.71a0</p> <p><b>StorPort Driver:</b> 5-1.20a7  <b>FW:</b> 2.70a5  <b>BIOS:</b> 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2143</a></li> <li>• <a href="#">FC2243</a></li> </ul> <p><b>HBA Family 8</b>  <b>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 2.70a5  <b>BIOS:</b> 3.00a4</p> <p><b>StorPort Driver:</b> 5-1.20a7  <b>FW:</b> 2.70a5  <b>BIOS:</b> 3.00a4</p> <ul style="list-style-type: none"> <li>• <a href="#">LPe1105</a></li> </ul> <p><b>HBA Family 9</b>  <b>SCSIport Driver:</b> 9.1.3.11  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <p><b>StorPort Driver:</b> 9.1.3.16  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <ul style="list-style-type: none"> <li>• <a href="#">FC1143</a></li> <li>• <a href="#">FC1243</a></li> </ul> <p><b>HBA Family 10</b>  <b>SCSIport Driver:</b> 9.1.3.11  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <p><b>StorPort Driver:</b> 9.1.3.16  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <ul style="list-style-type: none"> <li>• <a href="#">FC1142</a></li> <li>• <a href="#">FC1242</a></li> </ul> <p><b>HBA Family 11</b>  <b>SCSIport Driver:</b> 9.1.3.11  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.26</p> <p><b>StorPort Driver:</b> 9.1.3.16  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.26</p> <ul style="list-style-type: none"> <li>• <a href="#">QMH2462</a></li> </ul> <p>*Note 1: 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>*Note 2: Refer to Server QuickSpecs for confirmation on supported HBAs</p> <p>*Note 3: StorPort Driver only supported on Windows Server 2003 Operating Systems.</p> <p>*Note 4: For additional information on StorPort drivers, search the Microsoft's website for the latest StorPort QFE.</p>				
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<p>Max supported nodes = 8</p> <p>ProLiant</p> <ul style="list-style-type: none"> <li>• BL20p G2^</li> <li>• BL20p G3^^</li> <li>• BL40p</li> <li>• BL30p^^</li> <li>• BL35p^^</li> <li>• BL25p^^^^</li> <li>• BL45p^^^^</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>• ML530, ML530 G2</li> <li>• ML570 G3, ML570 G4</li> <li>• BL460c</li> <li>• BL480c</li> <li>• BL465c</li> <li>• BL685c</li> </ul> <p>*Note: Servers can be used homogeneously or heterogeneously within a cluster. Maximum supported nodes for BL30p in a SCSIport config = 2</p> <p>^Note: Supports the FC Mezzanine card only.</p> <p>^^Note: Supports the FC Balcony card only.</p> <p>^^^Note: Supports the FC Adapter Card BL20p G3</p> <p>^^^^Note: Supports the HPBALCF 105</p> <p><b>Server Software:</b> <a href="#">SmartStart</a> Ver: 7.70 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p> <p>#1</p> <p>Windows Server 2003, EE R2 &amp; Windows 2000 Advanced Server, SP4</p>	<p><b>HBA Family 1</b> SCSIPort Driver: 5-5.30a2 FW: 1.91a5 BIOS: 1.71a0</p> <p>StorPort Driver: 5-1.20a7 FW: 1.91a5 BIOS: 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> SCSIPort Driver: 5-5.30a2 FW: 1.91a5 BIOS: 1.71a0</p> <p>StorPort Driver: 5-1.20a7 FW: 1.91a5 BIOS: 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">E-FC Balcony Card</a> ^^</li> <li>• <a href="#">E-FC Adapter Card</a> ^^</li> </ul> <p>^^For the BL25p, BL30p, BL35p, &amp; BL45p use E-FC Balcony Card.</p> <p>^^^For the BL20p G3 use E-FC Adapter Card.</p> <p><b>HBA Family 3</b> SCSIPort Driver: 5-5.20a10 FW: 3.93a0 BIOS: 1.70a3</p> <p>StorPort Driver: 5-1.11x1 FW: 3.93a0 BIOS: 1.70a3</p> <ul style="list-style-type: none"> <li>• <a href="#">FCA2101</a></li> <li>• <a href="#">FCA2355</a></li> </ul> <p><b>HBA Family 4</b> SCSIPort Driver: 9.1.3.11 FW: Loaded from Driver BIOS FC Balcony: 1.48 BIOS: 1.45</p> <p>StorPort Driver: 9.1.3.16 FW: Loaded from Driver BIOS FC Balcony: 1.48 BIOS: 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> ^</li> </ul> <p>^For the BL20p G3 use: BIOS: 1.45 bl20p G3</p> <p><b>HBA Family 5</b> SCSIport Driver: 9.1.3.11 FW: NA BIOS: 1.48</p> <p>StorPort Driver: 9.1.3.16 FW: NA BIOS: 1.48</p> <p><a href="#">HPBALCF105</a> for BL25p and BL45p</p> <p><b>HBA Family 6</b> SCSIport Driver: 5-5.30a2 FW: <b>2.50a6</b> BIOS: 1.71a0</p> <p>StorPort Driver: 5-1.20a7 FW: <b>2.50a6</b> BIOS: 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2142</a></li> <li>• <a href="#">FC2242</a></li> </ul> <p><b>HBA Family 7</b> SCSIport Driver: 5-5.30a2 FW: 2.10a10 BIOS: 1.71a0</p> <p>StorPort Driver: 5-1.20a7 FW: 2.10a10 BIOS: 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2143</a></li> <li>• <a href="#">FC2243</a></li> </ul>	<p><b>Windows MPIO DSM for EVA</b> Ver: <b>2.01.00</b></p>	<p><b>StorageWorks 8x00 Enterprise Virtual Array</b> Array Controller Firmware 6.100</p> <p><b>StorageWorks 6x00 Enterprise Virtual Array</b> Array Controller Firmware 6.100</p> <p><b>StorageWorks 4x00 Enterprise Virtual Array</b> Array Controller Firmware 6.100</p> <p><b>CLX EVA for Windows</b> 1.01.01</p> <p><b>Continuous Access EVA Software</b> Version 2.1</p> <p><b>Command View</b> Supported: V6.0.x</p>	<p><b>B-Series</b> StorageWorks SAN Switches (8/16 ports 2GB) FW: 5.2.1b</p> <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 2/32</a></li> <li>• <a href="#">SAN Switch 2/8V</a></li> <li>• <a href="#">SAN Switch 2/16V</a></li> <li>• <a href="#">SAN Switch 2/16N FF</a></li> <li>• <a href="#">SAN Director 2/128</a></li> </ul> <p>StorageWorks SAN Switches (&gt;32 ports ) FW: 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 ) FW: 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 FW: 09.02.00</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: 3.1(2a)</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>^^Note: Not supported with BL server line.</p> <p>*Note: 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>May 2007</p>
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Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
#1 Windows Server 2003, EE R2 & Windows 2000 Advanced Server, SP4	Max supported nodes = 8  ProLiant <ul style="list-style-type: none"> <li>• BL20p G2^</li> <li>• BL20p G3^^^</li> <li>• BL40p</li> <li>• BL30p^^</li> <li>• BL35p^^</li> <li>• BL25p^^^^</li> <li>• BL45p^^^^</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>• ML530, ML530 G2</li> <li>• ML570 G3, ML570 G4</li> <li>• BL460c</li> <li>• BL480c</li> <li>• BL465c</li> <li>• BL685c</li> </ul>	<p><b><u>HBA Family 1</u></b>  <b>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 1.91a5  <b>BIOS:</b> 1.71a0</p> <p><b>StorPort Driver:</b> 5-1.20a7  <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><u>HBA Family 2</u></b>  <b>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 1.91a5  <b>BIOS :</b> 1.71a0</p> <p><b>StorPort Driver:</b> 5-1.20a7  <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> ^^</li> <li>• <a href="#">E-FC Adapter Card</a> ^^</li> </ul>	<p><a href="#">Windows MPIO DSM for EVA</a>  <b>Ver: 2.01.00</b></p>	<p><a href="#">StorageWorks 8000 Enterprise Virtual Array</a>  <b>Array Controller</b>  <b>Firmware 6.100</b></p> <p><a href="#">StorageWorks 6000 Enterprise Virtual Array</a>  <b>Array Controller</b>  <b>Firmware 6.100</b></p> <p><a href="#">StorageWorks 4000 Enterprise Virtual Array</a>  <b>Array Controller</b>  <b>Firmware 6.100</b></p> <p><a href="#">CLX EVA for Windows</a>  1.01.01</p> <p><a href="#">Continuous Access EVA Software</a>  Version 2.1</p> <p><a href="#">Command View</a>  <b>Supported:</b>  <b>V6.0.x</b></p>	<p><b><u>B-Series</u></b>  StorageWorks SAN Switches (8/16 ports 2GB)  <b>FW:</b> 5.2.1b</p> <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 2/32</a></li> <li>• <a href="#">SAN Switch 2/8V</a></li> <li>• <a href="#">SAN Switch 2/16V</a></li> <li>• <a href="#">SAN Switch 2/16N FF</a></li> <li>• <a href="#">SAN Director 2/128</a></li> </ul> <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><a href="#">Product Page</a></p> <p><a href="#">Supporting Documentation</a></p> <p><a href="#">MSCS Support Matrix - archive</a></p>

	<p>*<b>Note:</b> Servers can be used homogeneously or heterogeneously within a cluster. Maximum supported nodes for BL30p in a SCSIport config = 2</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</a> Ver: 7.70 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p>	<p><b>For the BL25p, BL30p, 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> SCSIport Driver: 5-5.20a10 FW: 3.93a0 BIOS: 1.70a3</p> <p>StorPort Driver: 5-1.11x1 FW: 3.93a0 BIOS: 1.70a3</p> <ul style="list-style-type: none"> <li>• <a href="#">FCA2101</a></li> <li>• <a href="#">FCA2355</a></li> </ul> <p><b>HBA Family 4</b> SCSIport Driver: 9.1.3.11 FW: Loaded from Driver BIOS FC Balcony: 1.48 BIOS: 1.45</p> <p>StorPort Driver: 9.1.3.16 FW: Loaded from Driver BIOS FC Balcony: 1.48 BIOS: 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> ^</li> </ul> <p><b>For the BL20p G3 use:</b> BIOS: 1.45 bl20p G3</p> <p><b>HBA Family 5</b> SCSIport Driver: 9.1.3.11 FW: NA BIOS: 1.48</p> <p>StorPort Driver: 9.1.3.16 FW: NA BIOS: 1.48</p> <p><a href="#">HPBALCF105</a> for BL25p and BL45p</p> <p><b>HBA Family 6</b> SCSIport Driver: 5-5.30a2 FW: <a href="#">2.50a6</a> BIOS: 1.71a0</p> <p>StorPort Driver: 5-1.20a7 FW: <a href="#">2.50a6</a> BIOS: 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2142</a></li> <li>• <a href="#">FC2242</a></li> </ul> <p><b>HBA Family 7</b> SCSIport Driver: 5-5.30a2 FW: 2.10a10 BIOS: 1.71a0</p> <p>StorPort Driver: 5-1.20a7 FW: 2.10a10 BIOS: 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2143</a></li> <li>• <a href="#">FC2243</a></li> </ul> <p><b>HBA Family 8</b> SCSIport Driver: 5-5.30a2 FW: 2.50a8 BIOS: 3.00a4</p> <p>StorPort Driver: 5-1.20a7 FW: 2.50a8 BIOS: 3.00a4</p> <ul style="list-style-type: none"> <li>• <a href="#">LPe1105</a></li> </ul> <p><b>HBA Family 9</b> SCSIport Driver: 9.1.3.11 FW: Loaded from driver BIOS: 1.16</p> <p>StorPort Driver: 9.1.3.16 FW: Loaded from driver BIOS: 1.16</p> <ul style="list-style-type: none"> <li>• <a href="#">FC1143</a></li> <li>• <a href="#">FC1243</a></li> </ul> <p><b>HBA Family 10</b> SCSIport Driver: 9.1.3.11</p>		<p><b>M-Series</b> StorageWorks Director and Edge Switches FW: 09.02.00</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: 3.1(2a)</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>May 2007</p>
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	<p><b>FW:</b> Loaded from driver <b>BIOS:</b> 1.16</p> <p><b>StorPort Driver:</b> 9.1.3.16 <b>FW:</b> Loaded from driver <b>BIOS:</b> 1.16</p> <ul style="list-style-type: none"> <li>• <a href="#">FC1142</a></li> <li>• <a href="#">FC1242</a></li> </ul> <p><b><u>HBA Family 11</u></b> <b>SCSIport Driver:</b> 9.1.3.11 <b>FW:</b> Loaded from driver <b>BIOS:</b> 1.26</p> <p><b>StorPort Driver:</b> 9.1.3.16 <b>FW:</b> Loaded from driver <b>BIOS:</b> 1.26</p> <ul style="list-style-type: none"> <li>• <a href="#">QMH2462</a></li> </ul> <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> StorPort Driver only supported on Windows Server 2003 Operating Systems.</p> <p><b>*Note 4:</b> For additional information on StorPort drivers, search the Microsoft's website for the latest StorPort QFE.</p>				
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Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
<p>#1</p> <p>Windows Server 2003, EE R2 &amp;</p> <p>Windows 2000 Advanced Server, SP4</p>	<p>Max supported nodes = 8</p> <p>ProLiant</p> <ul style="list-style-type: none"> <li>• BL20p G2^</li> <li>• BL20p G3^^</li> <li>• BL40p</li> <li>• BL30p^^</li> <li>• BL35p^^</li> <li>• BL25p^^^</li> <li>• BL45p^^^</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>• ML530, ML530 G2</li> <li>• ML570 G3, ML570 G4</li> <li>• BL460c</li> <li>• BL480c</li> <li>• BL465c</li> <li>• BL685c</li> </ul> <p>*Note: Servers can be used homogeneously or heterogeneously within a cluster. Maximum supported nodes for BL30p in a SCSIport config = 2</p> <p>^Note: Supports the FC Mezzanine card only.</p> <p>^^Note: Supports the FC Balcony card only.</p> <p>^^^Note: Supports the FC Adapter Card BL20p G3</p> <p>^^^^Note: Supports the HPBALCF 105</p> <p><b>Server Software:</b>  <a href="#">SmartStart</a>  Ver: 7.60  (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p>	<p><b>HBA Family 1</b>  SCSIport Driver: 5-5.30a2  FW: 1.91a5  BIOS: 1.71a0</p> <p>StorPort Driver: 5-1.20a7  FW: 1.91a5  BIOS: 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>  SCSIport Driver: 9.1.3.11  FW: 1.91a5  BIOS for 25p/45p: 1.48  BIOS for 20p/30p/35p: 1.45</p> <p>StorPort Driver: 9.1.3.16  FW: 1.91a5  BIOS for 25p/45p: 1.48  BIOS for 20p/30p/35p: 1.45</p> <ul style="list-style-type: none"> <li>• <a href="#">E-FC Balcony Card</a> ^^</li> <li>• <a href="#">E-FC Adapter Card</a> ^^</li> </ul> <p>^^For the BL25p, BL30p, BL35p, &amp; BL45p use E-FC Balcony Card.</p> <p>^^^For the BL20p G3 use E-FC Adapter Card.</p> <p><b>HBA Family 3</b>  SCSIport Driver: 5-5.20a10  FW: 3.93a0  BIOS: 1.70a3</p> <p>StorPort Driver: 5-1.11x1  FW: 3.93a0  BIOS: 1.70a3</p> <ul style="list-style-type: none"> <li>• <a href="#">FCA2101</a></li> <li>• <a href="#">FCA2355</a></li> </ul> <p><b>HBA Family 4</b>  SCSIport Driver: 9.1.3.11  FW: NA  BIOS: 1.45</p> <p>StorPort Driver: 9.1.3.16  FW: NA  BIOS: 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> ^</li> </ul> <p>^For the BL20p G3 use:  BIOS: 1.45 bl20p G3</p> <p><b>HBA Family 5</b>  SCSIport Driver: 9.1.3.11  FW: NA  BIOS: 1.48</p> <p>StorPort Driver: 9.1.3.16  FW: NA  BIOS: 1.48</p> <p><a href="#">HPBALCF105</a> for BL25p and BL45p</p> <p><b>HBA Family 6</b>  SCSIport Driver: 5-5.30a2  FW: 2.50a6  BIOS: 1.71a0</p> <p>StorPort Driver: 5-1.20a7  FW: 2.50a6  BIOS: 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2142</a></li> <li>• <a href="#">FC2242</a></li> </ul> <p><b>HBA Family 7</b>  SCSIport Driver: 5-5.30a2  FW: 2.10a10  BIOS: 1.71a0</p>	<p>Windows MPIO DSM for EVA  Ver: 2.00.02</p>	<p><b>StorageWorks 8000 Enterprise Virtual Array</b>  Array Controller  Firmware 6.000</p> <p><b>StorageWorks 6000 Enterprise Virtual Array</b>  Array Controller  Firmware 6.000</p> <p><b>StorageWorks 4000 Enterprise Virtual Array</b>  Array Controller  Firmware 6.000</p> <p><a href="#">CLX EVA for Windows</a>  1.01.01</p> <p><a href="#">Continuous Access EVA Software</a>  Version 2.1</p> <p><a href="#">Command View Supported:</a>  V6.0</p> <p><b>Recommended:</b>  V6.1</p>	<p><b>B-Series</b>  StorageWorks SAN Switches (8/16 ports 2GB)  FW: 3.2.1b</p> <ul style="list-style-type: none"> <li>• <a href="#">MSA SAN Switch 2/8^</a></li> <li>• <a href="#">SAN Switch 2/16</a></li> </ul> <p>FW: 5.2.0</p> <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 2/32</a></li> <li>• <a href="#">SAN Switch 2/8V</a></li> <li>• <a href="#">SAN Switch 2/16V</a></li> <li>• <a href="#">SAN Switch 2/16N FF</a></li> <li>• <a href="#">SAN Director 2/128</a></li> </ul> <p>StorageWorks SAN Switches (&gt;32 ports )  FW: 5.2.0</p> <ul style="list-style-type: none"> <li>• <a href="#">Core Switch 2/64</a></li> </ul> <p>StorageWorks SAN Switches (4GB )  FW: 5.2.0</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  FW: 09.00.00</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: 3.0(3)</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>^^Note: Not supported with BL server line.</p> <p>*Note: 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>January 2007</p>

		<p><b>StorPort Driver:</b> 5-1.20a7  <b>FW:</b> 2.10a10  <b>BIOS:</b> 1.71a0</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2143</a></li> <li>• <a href="#">FC2243</a></li> </ul> <p><b>HBA Family 8</b>  <b>SCSIport Driver:</b> 5-5.30a2  <b>FW:</b> 2.50a8  <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 2.50a8  <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"> <li>• <a href="#">LPe1105</a></li> </ul> <p><b>HBA Family 9</b>  <b>SCSIport Driver:</b> 9.1.3.11  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <p><b>StorPort Driver:</b> 9.1.3.16  <b>FW:</b> 2.50a2  <b>BIOS:</b> 1.16</p> <ul style="list-style-type: none"> <li>• <a href="#">FC1143</a></li> <li>• <a href="#">FC1243</a></li> </ul> <p><b>HBA Family 10</b>  <b>SCSIport Driver:</b> 9.1.3.11  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <p><b>StorPort Driver:</b> 9.1.3.16  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <ul style="list-style-type: none"> <li>• <a href="#">FC1142</a></li> <li>• <a href="#">FC1242</a></li> </ul> <p><b>HBA Family 10</b>  <b>SCSIport Driver:</b> 9.10.13  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <p><b>StorPort Driver:</b> 9.1.0.18  <b>FW:</b> Loaded from driver  <b>BIOS:</b> 1.16</p> <ul style="list-style-type: none"> <li>• <a href="#">QMH2462</a></li> </ul> <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> StorPort Driver only supported on Windows Server 2003 Operating Systems.</p> <p><b>*Note 4:</b> For additional information on StorPort drivers, search the Microsoft's website for the latest StorPort QFE.</p>				
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Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
<p>#2</p> <p>Windows Server 2003, EE w/ Service Pack 1 (x86)</p> <p>And</p> <p>Windows 2000 Advanced Server w/ Service Pack 4 (x86)</p>	<p>Max supported nodes = 8</p> <p>ProLiant</p> <ul style="list-style-type: none"> <li>• BL20p G2^</li> <li>• BL20p G3^^^</li> <li>• BL40p</li> <li>• BL30p^^</li> <li>• BL35p^^</li> <li>• BL25p^^^^</li> <li>• BL45p^^^^</li> <li>• DL360 G3, DL360 G4, DL360 G5</li> <li>• DL360 G4p</li> <li>• DL380 G3, DL380 G4, DL380 G5</li> <li>• DL560</li> <li>• DL580G2, DL580 G3, DL580 G4</li> <li>• DL585</li> <li>• DL385</li> <li>• DL740</li> <li>• DL760, DL760 G2</li> <li>• ML370 G3, ML370 G4, ML370 G5</li> <li>• ML530, ML530 G2</li> <li>• ML570G2, ML570 G3, ML570 G4</li> <li>• BL460c</li> <li>• BL480c</li> </ul> <p>*Note: Servers can be used homogeneously or heterogeneously within a cluster.</p> <p>Maximum supported nodes for BL30p in a SCSIport config = 2</p> <p>^Note: Supports the FC Mezzanine card only.</p> <p>^^Note: Supports the FC Balcony card only.</p> <p>^^^Note: Supports the FC Adapter Card BL20p G3</p> <p>^^^^Note: Supports the HPBALCF105</p> <p><b>Server Software:</b>  <b>SmartStart</b>  <b>Ver:</b> 7.51  (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p>	<p><b>HBA Family 1</b>  <b>SCSIPort Driver:</b> 5-5.20a10  <b>FW:</b> 1.91a1  <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 1.91a1  <b>BIOS:</b> 1.70a3</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>SCSIport Driver:</b> 5-5.20a10  <b>FW:</b> 1.90a4  <b>BIOS:</b> 1.70a1</p> <p><b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 1.90a4  <b>BIOS:</b> 1.70a1</p> <ul style="list-style-type: none"> <li>• <a href="#">A7560A(1050EX)</a></li> </ul> <p><b>HBA Family 3</b>  <b>SCSIPort Driver:</b> 5-5.20a10  <b>FW:</b> 1.91a2  <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 1.91a2  <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"> <li>• <a href="#">E-FC Balcony Card</a> ^^</li> <li>• <a href="#">E-FC Adapter Card</a> ^^^</li> </ul> <p>^^For the BL25p, BL30p, BL35p, &amp; BL45p use E-FC Balcony Card.</p> <p>^^^For the BL20p G3 use E-FC Adapter Card.</p> <p><b>HBA Family 4</b>  <b>SCSIPort Driver:</b> 5-5.20a10  <b>FW:</b> 3.93a0  <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 3.93a0  <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"> <li>• <a href="#">FCA2101</a></li> <li>• <a href="#">FCA2355</a></li> </ul> <p><b>HBA Family 5</b>  <b>SCSIport Driver:</b> 9.1.0.13  <b>FW:</b> NA  <b>BIOS:</b> 1.45</p> <p><b>StorPort Driver:</b> 9.1.0.18  <b>FW:</b> NA  <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> ^</li> </ul> <p>^For the BL20p G3 use:  <b>BIOS:</b> 1.45 b120p G3</p> <p><b>HBA Family 6</b>  <b>SCSIport Driver:</b> 9.1.0.13  <b>FW:</b> NA  <b>BIOS:</b> 1.48</p> <p><b>StorPort Driver:</b> 9.1.0.18  <b>FW:</b> NA  <b>BIOS:</b> 1.48</p> <p><a href="#">HPBALCF105</a> for BL25p and BL45p</p> <p><b>HBA Family 7</b>  <b>SCSIport Driver:</b> 5-5.20a10  <b>FW:</b> 2.50a2  <b>BIOS:</b> NA</p> <p><b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 2.50a2</p>	<p><a href="#">Windows MPIO DSM for EVA</a>  <b>Ver:</b> 2.00.00</p> <p><a href="#">Windows MPIO DSM for EVA</a>  <b>Ver:</b> 1.00.02</p>	<p><a href="#">StorageWorks 8000 Enterprise Virtual Array Array Controller</a>  <b>Firmware 6.000</b></p> <p><a href="#">StorageWorks 6000 Enterprise Virtual Array Array Controller</a>  <b>Firmware 6.000</b></p> <p><a href="#">StorageWorks 4000 Enterprise Virtual Array Array Controller</a>  <b>Firmware 6.000</b></p> <p><a href="#">HP OpenView Storage Operations Manager</a>  Version 1.2</p> <p><a href="#">Continuous Access EVA Software</a>  Version 2.1</p> <p><a href="#">Command View</a>  V5.0</p>	<p><b>B-Series</b>  StorageWorks SAN Switches (8/16 ports 2GB)  <b>FW:</b> 3.2.1</p> <ul style="list-style-type: none"> <li>• <a href="#">MSA SAN Switch 2/8^</a></li> <li>• <a href="#">SAN Switch 2/16</a></li> </ul> <p><b>FW:</b> 5.1.0</p> <ul style="list-style-type: none"> <li>• <a href="#">SAN Switch 2/32</a></li> <li>• <a href="#">SAN Switch 2/8V</a></li> <li>• <a href="#">SAN Switch 2/16V</a></li> <li>• <a href="#">SAN Switch 2/16N FF</a></li> <li>• <a href="#">SAN Director 2/128</a></li> </ul> <p>StorageWorks SAN Switches (&gt;32 ports )  <b>FW:</b> 5.03b</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> 5.1.0</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> 08.01.01</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  <b>FW:</b> 3.0(1)</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>Other Switches and Hubs</b></p> <p><a href="#">MSA Hub 2/3^^</a></p> <p>^Note: Fibre Channel switch included in the ProLiant DL380 G3 &amp; G4 Packaged Cluster for MSA1000 product.</p> <p>^^Note: Not supported with BL server line.</p> <p>*Note: BL30p server supported with B-series switches only.</p>	<p><a href="#">Product Page</a></p> <p>June 2006</p>

		<p>BIOS: NA</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2142</a></li> <li>• <a href="#">FC2242</a></li> </ul> <p><b>HBA Family 8</b>  <b>SCSIport Driver:</b> 5-5.20a10  <b>FW:</b> 2.50a2  <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 2.50a2  <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"> <li>• <a href="#">FC2143</a></li> <li>• <a href="#">FC2243</a></li> </ul> <p><b>HBA Family 9</b>  <b>StorPort Driver:</b> 5-1.11x1  <b>FW:</b> 2.50a8</p> <ul style="list-style-type: none"> <li>• <a href="#">LPe1105</a></li> <li>• <a href="#">QMH2462</a></li> </ul> <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> Fibre Channel HBA included in the ProLiant DL380 G3 Packaged Cluster with MSA1000 product</p> <p><b>*Note 4:</b> StorPort Driver only supported on Windows Server 2003 Operating Systems.</p> <p><b>*Note 5:</b> For additional information on StorPort drivers, search the Microsoft's website for the latest StorPort QFE.</p>				
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<b>Config</b>	<b>Supported Servers*</b>	<b>Host Bus Adapters (HBAs)*</b>	<b>Multi Path Software</b>	<b>Storage Information</b>	<b>Interconnects (Switches)*</b>	<b>Other</b>
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<p>#3</p> <p>Windows Server 2003, EE w/ Service Pack 1 (x86)</p> <p>And</p> <p>Windows 2000 Advanced Server w/ Service Pack 4 (x86)</p>	<p><b>Windows 2003</b> Max supported nodes = 8</p> <p><b>Windows 2000</b> Max supported nodes = 2</p> <p><b>ProLiant Servers</b> BL20p G2^ BL20p G3^^ BL25p^^^ BL30p^^ BL35p^^ BL40p BL45p^^^ DL360 G3, DL360 G4 DL360 G4p DL380 G3, DL380 G4 DL385 DL560 DL580 G2, DL580 G3 DL585 DL740 DL760, DL760 G2 ML370 G3, ML370 G4 ML530, ML530 G2 ML570 G2, ML570 G3 ML750</p> <p>*Note: Servers can be used homogeneously or heterogeneously within a cluster.</p> <p><b>Maximum supported nodes for BL30p in a SCSIport config = 2</b></p> <p>^Note: Supports the FC Mezzanine card only.</p> <p>^^Note: Supports the FC Balcony card only.</p> <p>^^^Note: Supports the FC Adapter Card BL20p G3.</p> <p>^^^^Note: Supports the HPBALCF 105</p> <p><b>Server Software:</b> <b>SmartStart</b> Ver: 7.4 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p>	<p><b>HBA Family 1</b> <b>SCSIport Driver:</b> 5-5.20a10 <b>FW:</b> 1.91a1 <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1 <b>FW:</b> 1.91a1 <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"> <li>•<a href="#">FCA2408</a></li> <li>•<a href="#">A7387A</a></li> <li>•<a href="#">A7388A</a></li> <li>•<a href="#">A7560A(1050EX)</a></li> <li>•<a href="#">FCA2404</a></li> <li>•<a href="#">FCA2404DC</a></li> </ul> <p><b>HBA Family 2</b> <b>SCSIport Driver:</b> 5-5.20a10 <b>FW:</b> 1.91a2 <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1 <b>FW:</b> 1.91a2 <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"> <li>•<a href="#">E-FC Balcony Card</a> ^^</li> <li>•<a href="#">E-FC Adapter Card</a> ^^</li> </ul> <p>^^For the BL25p, BL30p, BL35p, &amp; BL45p use E-FC Balcony Card.</p> <p>^^^For the BL20p G3 use E-FC Adapter Card.</p> <p><b>HBA Family 3</b> <b>SCSIport Driver:</b> 9.1.0.13 <b>FW:</b> n/a <b>BIOS:</b> 1.45</p> <p><b>StorPort Driver:</b> 9.1.0.18 <b>FW:</b> n/a <b>BIOS:</b> 1.45</p> <ul style="list-style-type: none"> <li>•<a href="#">FCA2214</a></li> <li>•<a href="#">FCA2214DC</a></li> </ul> <p><b>HBA Family 3</b> <b>SCSIport Driver:</b> 9.0.2.11 <b>FW:</b> n/a <b>BIOS:</b> 1.45</p> <p><b>StorPort Driver:</b> 9.0.2.16 <b>FW:</b> n/a <b>BIOS:</b> 1.45</p> <ul style="list-style-type: none"> <li>•<a href="#">FC Balcony card</a></li> <li>•<a href="#">FC Mezz card</a> ^</li> </ul> <p><b>HBA Family 4</b> <b>SCSIport Driver:</b> 9.0.2.11 <b>FW:</b> n/a <b>BIOS:</b> 1.48</p> <p><b>StorPort Driver:</b> 9.0.2.16 <b>FW:</b> n/a <b>BIOS:</b> 1.48</p> <ul style="list-style-type: none"> <li>•<a href="#">HPBALCF 105</a> for BL25p, BL45p</li> </ul> <p><b>HBA Family 5</b> <b>SCSIport Driver:</b> 5-5.20a10 <b>FW:</b> 2.50a2 <b>BIOS:</b> 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11x1 <b>FW:</b> 2.50a2 <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"> <li>•<a href="#">FC2142SR</a></li> <li>•<a href="#">FC2242SR DC</a></li> </ul> <p><b>HBA Family 6</b> <b>SCSIport Driver:</b> 9.1.0.13^^^ <b>FW:</b> n/a <b>BIOS:</b> 1.06</p> <p><b>StorPort Driver:</b> 9.1.0.18 <b>FW:</b> n/a <b>BIOS:</b> 1.06</p> <ul style="list-style-type: none"> <li>•<a href="#">FC1142SR</a></li> <li>•<a href="#">FC1242SR DC</a></li> </ul> <p><b>HBA Family 7</b> <b>SCSIport Driver:</b> 5-5.20a10 <b>FW:</b> 2.10a7 <b>BIOS:</b> 1.70a3</p>	<p><a href="#">Windows MPIO DSM for EVA</a> Ver: 2.00.00</p> <p><a href="#">Windows MPIO DSM for EVA</a> Ver: 1.00.02</p>	<p><b>StorageWorks 8000 Enterprise Virtual Array</b> Array Controller Firmware 5.100</p> <p><b>StorageWorks 6000 Enterprise Virtual Array</b> Array Controller Firmware 5.100</p> <p><b>StorageWorks 4000 Enterprise Virtual Array</b> Array Controller Firmware 5.100</p> <p><b>HP OpenView Storage Operations Manager</b> Version 1.2</p> <p><b>Continuous Access EVA Software</b> Version 2.1</p> <p><b>Command View</b> V5.0</p>	<p><b>B-Series</b> StorageWorks SAN Switches (8/16 ports 2GB) <b>FW:</b> 3.2.1</p> <p><a href="#">SAN Switch 2/16</a></p> <p>StorageWorks SAN Switches (&gt;32 ports ) <b>FW:</b> 5.0.3</p> <p><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 Switch 2/32</a> <a href="#">Core Switch 2/64</a> <a href="#">SAN Director 2/128</a></p> <p>StorageWorks SAN Switches (4GB ) <b>FW:</b> 5.0.3</p> <p><a href="#">4/8 SAN Switch</a> <a href="#">4/16 SAN Switch</a> <a href="#">4/32 SAN Switch</a> <a href="#">4/256 SAN Director</a></p> <p><b>M-Series</b> StorageWorks Director and Edge Switches <b>FW:</b> 08.01.01</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> 2.1(2b)</p> <p><a href="#">MDS 9120</a> <a href="#">MDS 9140</a> <a href="#">MDS 9216</a> <a href="#">MDS 9506</a> <a href="#">MDS 9509</a></p> <p>*Note: BL30p server supported with B-Series switches &amp; M-Series Edge Switch 2/12, 2/24 only</p>	<p><a href="#">Product Page</a></p> <p>March 2006</p>
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		<p><b>StorPort Driver:</b> 5-1.11x1 <b>FW:</b> 2.10a7 <b>BIOS:</b> 1.70a3</p> <ul style="list-style-type: none"><li>•<a href="#">FC2143</a></li><li>•<a href="#">FC2243 DC</a></li></ul> <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> StorPort Driver only supported on Windows Server 2003 Operating Systems.</p> <p><b>*Note 4:</b> For additional information on StorPort drivers, search the Microsoft's website for the latest StorPort QFE.</p>				
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Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
<p>#4</p> <p>Windows Server 2003, EE w/ Service Pack 1 (x86)</p> <p>And</p> <p>Windows 2000 Advanced Server w/ Service Pack 4 (x86)</p>	<p><b>Windows 2003</b> Max supported nodes = 8</p> <p><b>Windows 2000</b> Max supported nodes = 2</p> <p><b>ProLiant Servers</b> BL20p G2^ BL20p G3^^ BL25p^^^ BL30p^^ BL35p^^ BL40p BL45p^^^ DL360 G3, DL360 G4 DL360 G4p DL380 G3, DL380 G4 DL385 DL560 DL580 G2, DL580 G3 DL585 DL740 DL760, DL760 G2 ML370 G3, ML370 G4 ML530, ML530 G2 ML570 G2, ML570 G3 ML750</p> <p>*Note: Servers can be used homogeneously or heterogeneously within a cluster.</p> <p><b>Maximum supported nodes for BL30p in a SCSIport config = 2</b></p> <p>^Note: Supports the FC Mezzanine card only.</p> <p>^^Note: Supports the FC Balcony card only.</p> <p>^^^Note: Supports the FC Adapter Card BL20p G3.</p> <p>^^^^Note: Supports the HPBALCF 105</p> <p><b>Server Software:</b> <a href="#">SmartStart</a> Ver: 7.4 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p>	<p><b>HBA Family 1</b> SCSIport Driver: 5-5.20a9 FW: 1.91a1 BIOS: 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11a0 FW: 1.91a1 BIOS: 1.70a3</p> <ul style="list-style-type: none"> <li>•<a href="#">FCA2408</a></li> <li>•<a href="#">A7387A</a></li> <li>•<a href="#">A7388A</a></li> <li>•<a href="#">A7560A</a></li> <li>•<a href="#">FCA2404</a></li> <li>•<a href="#">FCA2404DC</a></li> </ul> <p><b>HBA Family 2</b> SCSIport Driver: 5-5.20a9 FW: 1.91a2 BIOS: 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11a0 FW: 1.91a2 BIOS: 1.70a3</p> <ul style="list-style-type: none"> <li>•<a href="#">E-FC Balcony Card</a> ^^</li> <li>•<a href="#">E-FC Adapter Card</a> ^^</li> </ul> <p>^^For the BL25p, BL30p, BL35p, &amp; BL45p use E-FC Balcony Card.</p> <p>^^^For the BL20p G3 use E-FC Adapter Card.</p> <p><b>HBA Family 3</b> SCSIport Driver: 9.0.2.11 FW: n/a BIOS: 1.45</p> <p><b>StorPort Driver:</b> 9.0.2.16 FW: n/a BIOS: 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> ^</li> </ul> <p><b>HBA Family 4</b> SCSIport Driver: 9.0.2.11 FW: n/a BIOS: 1.48</p> <p><b>StorPort Driver:</b> 9.0.2.16 FW: n/a BIOS: 1.48</p> <ul style="list-style-type: none"> <li>•<a href="#">HPBALCF 105</a> for BL25p, BL45p</li> </ul> <p><b>HBA Family 5</b> SCSIport Driver: 5-5.20a9 FW: 2.50a2 BIOS: 1.70a3</p> <p><b>StorPort Driver:</b> 5-1.11a0 FW: 2.50a2 BIOS: 1.70a3</p> <ul style="list-style-type: none"> <li>•<a href="#">FC2142</a></li> <li>•<a href="#">FC2242</a></li> </ul> <p>*Note 1: 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>*Note 2: Refer to Server QuickSpecs for confirmation on supported HBAs.</p> <p>*Note 3: StorPort Driver only supported on Windows Server 2003 Operating Systems.</p> <p>*Note 4: For additional information on StorPort drivers, search the Microsoft's website for the latest StorPort QFE.</p>	<p><a href="#">Windows MPIO DSM for EVA</a> Ver: 1.00.02</p>	<p><b>StorageWorks 8000 Enterprise Virtual Array</b> Array Controller Firmware 5.030</p> <p><b>StorageWorks 6000 Enterprise Virtual Array</b> Array Controller Firmware 5.030</p> <p><b>StorageWorks 4000 Enterprise Virtual Array</b> Array Controller Firmware 5.030</p> <p><b>HP OpenView Storage Operations Manager</b> Version 1.2</p> <p><b>Continuous Access EVA Software</b> Version 2.1</p> <p><b>Command View</b> V4.1</p>	<p><b>B-Series</b> StorageWorks SAN Switches (8/16 ports 2GB) FW: 3.2.0a</p> <p><a href="#">SAN Switch 2/16</a></p> <p>StorageWorks SAN Switches (&gt;32 ports ) FW: 5.01b</p> <p><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 Switch 2/32</a> <a href="#">Core Switch 2/64</a> <a href="#">SAN Director 2/128</a></p> <p><b>M-Series</b> StorageWorks Director and Edge Switches FW: 07.01.02-4</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 FW: 2.1(2b)</p> <p><a href="#">MDS 9120</a> <a href="#">MDS 9140</a> <a href="#">MDS 9216</a> <a href="#">MDS 9506</a> <a href="#">MDS 9509</a></p> <p>*Note: BL30p server supported with B-Series switches &amp; M-Series Edge Switch 2/12, 2/24 only</p>	<p><a href="#">Product Page</a></p> <p>October 2005</p>

Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
<p>#5</p> <p>Windows Server 2003, EE w/ Service Pack 1 (x86)</p> <p>And</p> <p>Windows 2000 Advanced Server w/ Service Pack 4 (x86)</p>	<p><b>Windows 2003</b> Max supported nodes = 8</p> <p><b>Windows 2000</b> Max supported nodes = 2</p> <p><b>ProLiant Servers</b> BL20p G2^ BL20p G3^^ BL25p^^^ BL30p^^ BL35p^^ BL40p BL45p^^^ DL360 G3, DL360 G4 DL360 G4p DL380 G3, DL380 G4 DL385 DL560 DL580 G2, DL580 G3 DL585 DL740 DL760, DL760 G2 ML370 G3, ML370 G4 ML530, ML530 G2 ML570 G2, ML570 G3 ML750</p> <p><b>*Note:</b> Servers can be used homogeneously or heterogeneously within a cluster.</p> <p><b>Maximum supported nodes for BL30p in a SCSIport config = 2</b></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</a> Ver: 7.3 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.3)</p>	<p><b>HBA Family 1</b> <b>StorPort Driver:</b> 5-1.02a7 <b>FW:</b> 1.81a2 <b>BIOS:</b> 1.70a1</p> <p>•<a href="#">FCA2408</a></p> <p><b>HBA Family 2</b> <b>StorPort Driver:</b> 5-1.02a7 <b>FW:</b> 1.90a4 <b>BIOS:</b> 1.70a1</p> <p>•<a href="#">A7387A</a> •<a href="#">A7388A</a> •<a href="#">A7560A</a> •<a href="#">FCA2404</a> •<a href="#">FCA2404DC</a></p> <p><b>HBA Family 3</b> <b>SCSIport Driver:</b> 9.0.2.11 <b>FW:</b> n/a <b>BIOS:</b> 1.45</p> <p><b>StorPort Driver:</b> 9.0.2.16 <b>FW:</b> n/a <b>BIOS:</b> 1.45</p> <p>•<a href="#">FCA2214</a> •<a href="#">FCA2214DC</a> •<a href="#">FC Balcony card</a> •<a href="#">FC Mezz card</a> ^</p> <p><b>*For the BL20 p G3 use:</b> <b>BIOS: 1.45 BL20p G3</b></p> <p><b>HBA Family 4</b> <b>SCSIport Driver:</b> 9.0.2.11 <b>FW:</b> n/a <b>BIOS:</b> 1.48</p> <p><b>StorPort Driver:</b> 9.0.2.16 <b>FW:</b> n/a <b>BIOS:</b> 1.48</p> <p>•<a href="#">HPBALCF 105</a> for BL25p, BL45p</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> StorPort Driver only supported on Windows Server 2003 Operating Systems.</p> <p><b>*Note 4:</b> For additional information on StorPort drivers, search the Microsoft's website for the latest StorPort QFE.</p>	<p><a href="#">Windows MPIO DSM for EVA</a> Ver: 1.0</p>	<p><a href="#">StorageWorks 8000 Enterprise Virtual Array</a> Array Controller Firmware 5.020</p> <p><a href="#">StorageWorks 6000 Enterprise Virtual Array</a> Array Controller Firmware 5.020</p> <p><a href="#">StorageWorks 4000 Enterprise Virtual Array</a> Array Controller Firmware 5.020</p> <p><a href="#">HP OpenView Storage Operations Manager</a> Version 1.2</p> <p><a href="#">Continuous Access EVA Software</a> Version 2.1</p>	<p><b>B-Series</b> StorageWorks SAN Switches (8/16 ports 2GB) <b>FW:</b> 3.2.0</p> <p><a href="#">SAN Switch 2/16</a></p> <p>StorageWorks SAN Switches (&gt;32 ports ) <b>FW:</b> 4.4.0c</p> <p><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 Switch 2/32</a> <a href="#">Core Switch 2/64</a> <a href="#">SAN Director 2/128</a></p> <p><b>M-Series</b> StorageWorks Director and Edge Switches <b>FW:</b> 07.00.00-84</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> 2.0.1b</p> <p><a href="#">MDS 9120</a> <a href="#">MDS 9140</a> <a href="#">MDS 9216</a> <a href="#">MDS 9506</a> <a href="#">MDS 9509</a></p> <p><b>*Note:</b> BL30p server supported with B-Series switches &amp; M-Series Edge Switch 2/12, 2/24 only</p>	<p><a href="#">Product Page</a></p>
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