



HP Cluster Configuration Support Matrix

For Microsoft Windows 2000 Advanced Server & HP StorageWorks EVA 5000, EVA 3000

Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
<p>#1</p> <p>Windows 2000 Advanced Server</p> <p>Service Pack 4</p>	<p>Max supported nodes = 2</p> <p>ProLiant 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>^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>Server Software: SmartStart Ver: 7.4 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.4)</p>	<p>HBA Family 1 SCSIport Driver: 5-5.20a9 FW: 1.91a1 BIOS: 1.70a3</p> <p>•FCA2408</p> <p>HBA Family 2 SCSIport Driver: 5-5.20a9 FW: 1.91a1 BIOS: 1.70a3</p> <p>•A7387A •A7388A •A7560A •FCA2404 •FCA2404DC •E-FC Balcony Card ^{^^} •E-FC Adapter Card ^{^^^}</p> <p>^^For the BL25p, BL30p, BL35p, & BL45p use E-FC Balcony Card.</p> <p>^^^For the BL20p G3 use E-FC Adapter Card.</p> <p>HBA Family 3 SCSIport Driver: 5-5.20a9 FW: 3.93a0 BIOS: 1.70a3</p> <p>•FCA2101 •FCA2355</p> <p>HBA Family 4 SCSIport Driver: 9.0.2.11 FW: n/a BIOS: 1.45</p> <p>•FCA2214 •FCA2214DC •FC Balcony card •FC Mezz card [^]</p> <p>^For the BL20 p G3 use: BIOS: 1.45 BL20p G3</p> <p>HBA Family 5 SCSIport Driver: 9.0.2.11 FW: n/a BIOS: 1.48</p> <p>•HPBALCF 105 for BL25p, BL45p</p> <p>HBA Family 6 SCSIport Driver: 5-5.20a9 FW: 2.50a2 BIOS: 1.70a3</p> <p>•FC2142 •FC2242</p> <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>Secure Path Ver: 4.0c SP2-1 Raidisk.sys ver: 3.7.2.540</p>	<p>StorageWorks Enterprise Virtual Array 5000 Virtual Controller Software (VCS) FW: V3.028</p> <p>StorageWorks Enterprise Virtual Array 3000 Virtual Controller Software (VCS) FW: V3.028</p> <p>HP OpenView Storage Operations Manager Version 1.2</p> <p>Continuous Access EVA Software v2.1 User Interface for use with VCS FW 3.028</p> <p>CLX EVA for Windows 1.01.00</p> <p>Command View V4.1</p>	<p>B-Series StorageWorks SAN Switches (8/16 ports 2GB) FW: 5.01b</p> <p>•SAN Switch 2/8V •SAN Switch 2/16 •SAN Switch 2/16V •SAN Switch 2/16N FF</p> <p>StorageWorks SAN Switches (>32 ports) FW: 5.01b</p> <p>•SAN Switch 2/32 •Core Switch 2/64 •SAN Director 2/128</p> <p>M-Series StorageWorks Director and Edge Switches FW: 07.01.02-4</p> <p>•Director 2/64 •Director 2/140 •Edge Switch 2/12 •Edge Switch 2/24 •Edge Switch 2/32</p> <p>C-Series Cisco Switches FW: 2.1(2b)</p> <p>•MDS 9120 •MDS 9140 •MDS 9216 •MDS 9506 •MDS 9509</p> <p>*Note: BL30p server supported with B-Series switches & M-Series Edge Switch 2/12, 2/24 only</p>	<p>Product Page</p> <p>Supporting Documentation</p> <p>MSCS Support Matrix - archive</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 2000 Advanced Server</p> <p>Service Pack 4</p>	<p>Max supported nodes = 2</p> <p>ProLiant 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>^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>Server Software: SmartStart Ver: 7.3 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.3)</p>	<p>HBA Family 1 SCSIport Driver: 5-5.10a10 FW: 1.81a2 BIOS: 1.70a1</p> <p>•FCA2408</p> <p>HBA Family 2 SCSIport Driver: 5-5.10a10 FW: 1.90a4 BIOS: 1.70a1</p> <p>•A7387A •A7388A •A7560A •FCA2404 •FCA2404DC</p> <p>HBA Family 3 SCSIport Driver: 5-5.10a10 FW: 3.92a2 BIOS: 1.70a1</p> <p>•FCA2101 •FCA2355</p> <p>HBA Family 4 SCSIport Driver: 9.0.2.11 FW: n/a BIOS: 1.45</p> <p>•FCA2214 •FCA2214DC •FC Balcony card •FC Mezz card ^</p> <p>^For the BL20 p G3 use: BIOS: 1.45 BL20p G3</p> <p>HBA Family 5 SCSIport Driver: 9.0.2.11 FW: n/a BIOS: 1.48</p> <p>•HPBALCF 105 for BL25p</p> <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>Secure Path Ver: 4.0c SP1 Raidisk.sys ver: 3.7.2.460</p> <p>Secure Path Ver: 4.0c SP2 Raidisk.sys ver: 3.7.2.540</p>	<p>StorageWorks Enterprise Virtual Array 5000 Virtual Controller Software (VCS) FW: V3.025</p> <p>StorageWorks Enterprise Virtual Array 3000 Virtual Controller Software (VCS) FW: V3.025</p> <p>HP OpenView Storage Operations Manager Version 1.2</p> <p>Continuous Access EVA Software v1.2 User Interface for use with VCS FW 3.025</p> <p>CLX EVA for Windows 1.0</p>	<p>B-Series StorageWorks SAN Switches (8/16 ports 2GB) FW: 3.2.0</p> <ul style="list-style-type: none"> •SAN Switch 2/8V •SAN Switch 2/16 •SAN Switch 2/16V •SAN Switch 2/16N FF <p>StorageWorks SAN Switches (>32 ports) FW: 4.4.0b</p> <ul style="list-style-type: none"> •SAN Switch 2/32 •Core Switch 2/64 •SAN Director 2/128 <p>M-Series StorageWorks Director and Edge Switches FW: 07.00.00-84</p> <ul style="list-style-type: none"> •Director 2/64 •Director 2/140 •Edge Switch 2/12 •Edge Switch 2/24 •Edge Switch 2/32 <p>C-Series Cisco Switches FW: 2.0.1b</p> <ul style="list-style-type: none"> •MDS 9120 •MDS 9140 •MDS 9216 •MDS 9506 •MDS 9509 <p>*Note: BL30p server supported with B-Series switches & M-Series Edge Switch 2/12, 2/24 only</p>	<p>Product Page</p> <p>Supporting Documentation</p> <p>MSCS Support Matrix - archive</p> <p>June 2005</p>

Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
<p>#3</p> <p>Windows 2000 Advanced Server</p> <p>Service Pack 4</p>	<p>Max supported nodes = 2</p> <p>ProLiant BL20p G2^ BL20p G3^^ BL25p^^^ BL30p^^ BL35p^^ BL40p BL45p^^^ DL360 G3, DL360 G4 DL360 G4p DL380 G3, DL380 G4 DL385 DL580 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>^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>Server Software: SmartStart Ver: 7.3 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.3)</p>	<p>HBA Family 1 SCSIport Driver: 5-5.10a10 FW: 1.81a2 BIOS: 1.70a1</p> <p>•FCA2408</p> <p>HBA Family 2 SCSIport Driver: 5-5.10a10 FW: 1.90a4 BIOS: 1.70a1</p> <p>•A7387A •A7388A •A7560A •FCA2404 •FCA2404DC</p> <p>HBA Family 3 SCSIport Driver: 5-5.10a10 FW: 3.92a2 BIOS: 1.70a1</p> <p>•FCA2101 •FCA2355</p> <p>HBA Family 4 SCSIport Driver: 9.0.2.11 FW: n/a BIOS: 1.45</p> <p>•FCA2214 •FCA2214DC •FC Balcony card •FC Mezz card ^</p> <p>^For the BL20 p G3 use: BIOS: 1.45 BL20p G3</p> <p>HBA Family 5 SCSIport Driver: 9.0.2.11 FW: n/a BIOS: 1.48</p> <p>•HPBALCF 105 for BL25p</p> <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>Secure Path Ver: 4.0c SP1 Raidisk.sys ver: 3.7.2.460</p>	<p>StorageWorks Enterprise Virtual Array 5000 Virtual Controller Software (VCS) FW: V3.025</p> <p>StorageWorks Enterprise Virtual Array 3000 Virtual Controller Software (VCS) FW: V3.025</p> <p>HP OpenView Storage Operations Manager Version 1.2</p> <p>Continuous Access EVA Software v1.2 User Interface for use with VCS FW 3.025</p> <p>CLX EVA for Windows 1.0</p>	<p>B-Series StorageWorks SAN Switches (8/16 ports 2GB) FW: 3.2.0</p> <ul style="list-style-type: none"> •SAN Switch 2/8V •SAN Switch 2/16 •SAN Switch 2/16V •SAN Switch 2/16N FF <p>StorageWorks SAN Switches (>32 ports) FW: 4.4.0b</p> <ul style="list-style-type: none"> •SAN Switch 2/32 •Core Switch 2/64 •SAN Director 2/128 <p>M-Series StorageWorks Director and Edge Switches FW: 07.00.00-84</p> <ul style="list-style-type: none"> •Director 2/64 •Director 2/140 •Edge Switch 2/12 •Edge Switch 2/24 •Edge Switch 2/32 <p>C-Series Cisco Switches FW: 2.0.1b</p> <ul style="list-style-type: none"> •MDS 9120 •MDS 9140 •MDS 9216 •MDS 9506 •MDS 9509 <p>*Note: BL30p server supported with B-Series switches & M-Series Edge Switch 2/12, 2/24 only</p>	<p>Product Page</p> <p>Supporting Documentation</p> <p>MSCS Support Matrix - archive</p> <p>May 2005</p>

Config	Supported Servers*	Host Bus Adapters (HBAs)*	Multi Path Software	Storage Information	Interconnects (Switches)*	Other
<p>#4</p> <p>Windows 2000 Advanced Server</p> <p>Service Pack 4</p>	<p>Max supported nodes = 2</p> <p>ProLiant</p> <ul style="list-style-type: none"> • BL20p G2^, BL20p G3^ • BL40p • BL30p^^ • DL360 G3, DL360 G4 • DL380 G3, DL380 G4 • DL560 • DL580, DL580 G2 • DL585 • DL740 • DL760, DL760 G2 • ML370 G3, ML370 G4 • ML530, ML530 G2 • ML570, ML570 G2 • ML750 <p>*Note: Servers can be used homogeneously or heterogeneously within a cluster.</p> <p>^Note: Supports the FC Mezzanine card only.</p> <p>^^Note: Supports the FC Balcony card only. Maximum supported nodes = 2.</p> <p>Server Software: SmartStart Ver: 7.1 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.1)</p>	<p>HBA Family 1 SCSIport Driver: 5-5.10a10 FW: 1.81a2 BIOS: 1.70a1</p> <ul style="list-style-type: none"> • FCA2408 • FCA2404 • FCA2404DC <p>HBA Family 2 SCSIport Driver: 5-5.10a10 FW: 1.81a3 BIOS: 1.70a1</p> <ul style="list-style-type: none"> • A7387A • A7388A <p>HBA Family 3 SCSIport Driver: 5-5.10a10 FW: 3.92a2 BIOS: 1.70a1</p> <ul style="list-style-type: none"> • FCA2101 • FCA2355 <p>HBA Family 4 SCSIport Driver: 9.0.0.13 FW: n/a BIOS: 1.34</p> <ul style="list-style-type: none"> • FCA2214 • FCA2214DC • FC Mezz card ^ <p>^For the BL20p G3 use: SCSIport Driver: 9.0.0.13 FW: n/a BIOS: 1.43</p> <p>HBA Family 5 SCSIport Driver: 9.0.0.14 FW: n/a BIOS: 1.43</p> <ul style="list-style-type: none"> • FC Balcony card <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>Secure Path Ver: 4.0c SP1 Raidisk.sys ver: 3.7.2.460</p>	<p>StorageWorks Enterprise Virtual Array 5000 Virtual Controller Software (VCS) FW: V3.020</p> <p>StorageWorks Enterprise Virtual Array 3000 Virtual Controller Software (VCS) FW: V3.020</p> <p>OpenView Storage Management Appliance: OSM v2.1</p> <p>CommandView EVA: Version 3.20</p> <p>Continuous Access EVA Software: v1.2 User Interface for use with VCS FW 3.020</p>	<p>B-Series StorageWorks SAN Switches (8/16 ports 2GB) FW: 3.1.2</p> <ul style="list-style-type: none"> • SAN Switch 2/8V • SAN Switch 2/16 • SAN Switch 2/16V • SAN Switch 2/16N FF <p>StorageWorks SAN Switches (>32 ports) FW: 4.2.0b</p> <ul style="list-style-type: none"> • SAN Switch 2/32 • Core Switch 2/64 • SAN Director 2/128 <p>M-Series StorageWorks Director and Edge Switches FW: 06.02.00-22 or 06.01.00-18</p> <ul style="list-style-type: none"> • Director 2/64 • Director 2/140 • Edge Switch 2/12 • Edge Switch 2/24 • Edge Switch 2/32 <p>C-Series Cisco Switches FW: 1.3.4a</p> <ul style="list-style-type: none"> • MDS 9120 • MDS 9140 • MDS 9216 • MDS 9506 • MDS 9509 <p>*Note: BL30p server supported with B-Series switches & M-Series Edge Switch 2/12, 2/24 only</p>	<p>Product Page</p> <p>Supporting Documentation</p> <p>MSCS Support Matrix - archive</p> <p>Nov 2004</p>

Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
<p>#5</p> <p>Windows 2000 Advanced Server</p> <p>Service Pack 4</p>	<p>Max supported nodes = 2</p> <p>ProLiant</p> <ul style="list-style-type: none"> • BL20p G2^ • BL40p • DL360, DL360 G2, DL360 G3 • DL380, DL380 G2, DL380 G3 • DL560 • DL580, DL580 G2 • DL585^^ • DL740 • DL760, DL760 G2 • ML370 G3 • ML530, ML530 G2 • ML570, ML570 G2 • ML750 <p>* Note: Servers can be used homogeneously or heterogeneously within a cluster.</p> <p>^ Note: Supports the FC Mezzanine card only.</p> <p>^^ Note: To configure the DL585 use the supplemental and Smart Start 7.0 CD that ships with the server. Server is not supported w/ HBA Family 1.</p>	<p>SmartStart Ver: 7.0 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 7.0)</p>	<p>HBA Family 1 Driver: 5-4.82.a16 FW: 3.91a1 BIOS: 1.63a1</p> <ul style="list-style-type: none"> •FCA2101 •FCA2355 <p>HBA Family 2 Driver: 5-4.82.a16 FW: 1.01a2 BIOS: 1.63a1</p> <ul style="list-style-type: none"> •FCA2408 •FCA2404 •FCA2404DC <p>HBA Family 3 Driver: 8.2.0.73 FW: NA BIOS: 1.34</p> <ul style="list-style-type: none"> •FCA2214 •FCA2214DC •FC Mezz card <p>** Note: 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>Secure Path Ver: 4.0c RAIDisk.sys ver: 3.7.2.240</p>	<p>StorageWorks Enterprise Virtual Array 5000 Virtual Controller Software (VCS) FW: V3.014</p> <p>StorageWorks Enterprise Virtual Array 3000 Virtual Controller Software (VCS) FW: V3.014</p> <p>OpenView Storage Management Appliance: OSM v2.1</p> <p>CommandView EVA: Version 3.10 Build 21</p>	<p>StorageWorks SAN Switches (1GB) FW: 2.6.2</p> <ul style="list-style-type: none"> •SAN Switch 16-EL •SAN Switch 8-EL •SAN Switch 8 & 16 •SAN Switch Integrated 32 •SAN Switch Integrated 64 <p>StorageWorks SAN Switches (8/16 ports 2GB) FW: 3.1.2</p> <ul style="list-style-type: none"> •SAN Switch 2/8 EL •SAN Switch 2/16 EL •SAN Switch 2/16 <p>StorageWorks SAN Switches (>32 ports) FW: 4.2.0b</p> <ul style="list-style-type: none"> •SAN Switch 2/32 •Core Switch 2/64 <p>StorageWorks Director and Edge Switches FW: 05.02.00-13</p> <ul style="list-style-type: none"> •Director 2/64 •Director 2/140 •Edge Switch 2/16 •Edge Switch 2/24 •Edge Switch 2/32 <p>Cisco Switches FW: 1.2.1b</p> <ul style="list-style-type: none"> •MDS 9120 •MDS 9140 •MDS 9216 •MDS 9506 •MDS 9509 	<p>Product Page</p> <p>Supporting Documentation</p> <p>MSCS Support Matrix - archive</p>

Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
#6 Windows 2000 Advanced Server Service Pack 4	<p>Max supported nodes = 2</p> <p>ProLiant</p> <ul style="list-style-type: none"> • BL20p G2^ • BL40p • DL360, DL360 G2, DL360 G3 • DL380, DL380 G2, DL380 G3 • DL560 • DL580, DL580 G2 • DL740 • DL760, DL760 G2 • ML370 G3 • ML530, ML530 G2 • ML570, ML570 G2 • ML750 <p>* Note: Servers can be used homogeneously or heterogeneously within a cluster.</p> <p>^ Note: Supports the FC Mezzanine card only.</p>	<p>SmartStart Ver: 6.4 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 6.4)</p>	<p>HBA Family 1 Driver: 5-4.82.a16 FW: 3.91a1 BIOS: 1.63a1</p> <ul style="list-style-type: none"> •FCA2101 •FCA2355 <p>HBA Family 2 Driver: 5-4.82.a16 FW: 1.01a2 BIOS: 1.63a1</p> <ul style="list-style-type: none"> •FCA2408 •FCA2404 •FCA2404DC <p>HBA Family 3 Driver: 8.2.0.73 FW: NA BIOS: 1.34</p> <ul style="list-style-type: none"> •FCA2214 •FCA2214DC •FC Mezz card <p>HBA Family 4 Driver: 5-4.82.a16 FW: 3.91a1 BIOS: 1.63a1</p> <ul style="list-style-type: none"> •64-bit/33-MHz PCI-to-FC HBA (DS-KGPSA-CB) <p>** Note: 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>Secure Path Ver: 4.0c Raidisk.sys ver: 3.7.2.240</p>	<p>StorageWorks Enterprise Virtual Array 5000 Virtual Controller Software (VCS) FW: V3.010</p> <p>StorageWorks Enterprise Virtual Array 3000 Virtual Controller Software (VCS) FW: V3.010</p> <p>OpenView Storage Management Appliance: OSM v2.1</p> <p>CommandView EVA: Version 3.10 Build 21</p> <p>Continuous Access EVA Software: v1.1 User Interface for use with VCS FW 3.010</p>	<p>HP 1GB SAN Switches FW: 2.6.1</p> <ul style="list-style-type: none"> •SAN Switch 16-EL •SAN Switch 8-EL •SAN Switch 8 & 16 •SAN Switch Integrated 32 •SAN Switch Integrated 64 <p>HP 2GB SAN Switches 8/16 ports FW: 3.1.1</p> <ul style="list-style-type: none"> •SAN Switch 2/8 EL •SAN Switch 2/16 EL •SAN Switch 2/16 <p>HP 2GB SAN Switches >32 ports FW: 4.1.1 or 4.1.2b</p> <ul style="list-style-type: none"> •SAN Switch 2/32 •Core Switch 2/64 <p>HP Director and Edge Switches FW: 05.01.00-24</p> <ul style="list-style-type: none"> •Director 2/64 •Director 2/140 •Edge Switch 2/16 •Edge Switch 2/24 •Edge Switch 2/32 	<p>Product Page</p> <p>Supporting Documentation</p> <p>MSCS Support Matrix - archive</p>

February 2004

Config	Supported Servers*	Server Software	Host Bus Adapters (HBAs)**	Multi Path Software	Storage Information	Interconnects (Switches)	Other
#7 Windows 2000 Advanced Server Service Pack 3 & 4	<p>Max supported nodes = 2</p> <p>ProLiant:</p> <ul style="list-style-type: none"> • BL20p G2 • BL40p • DL360 G3, DL360 G2, DL360 • DL380 G3, DL380 G2, DL380 • DL560 • DL580 G2, DL580 • DL740 • DL760 G2, DL760 • ML370 G3 • ML530 G2, ML530 • ML570 G2, ML570 • ML750 <p>* Note: Servers can be used homogeneously or heterogeneously within a cluster.</p>	<p>SmartStart Ver: 6.4 (Install non-RBSU servers using SmartStart 5.5 and then apply PSP 6.4)</p>	<p>FCA2101 Driver: 5-4.82.a16 FW: 3.91a1 BIOS: 1.63a1</p> <p>FCA2404 Driver: 5-4.82.a16 FW: 1.01a2 BIOS: 1.63a1</p> <p>FC Mezzanine card Driver: 8.2.0.72 FW: NA BIOS: 1.33</p> <p>64-bit/33-MHz PCI to FC HBA Driver: 5-4.82.a16 FW: 3.91a1 BIOS: 1.63a1</p> <p>** Note: HBAs must be used homogeneously within a cluster</p>	<p>Secure Path Ver: 4.0b RAIDisk.sys ver: 3.6.2.673</p>	<p>StorageWorks Enterprise Virtual Array 5000 Virtual Controller Software (VCS) FW: v2.006 & v3.001</p> <p>StorageWorks Enterprise Virtual Array 3000 Virtual Controller Software (VCS) FW: v2.006 & v3.001</p> <p>OpenView Storage Management Appliance: OSM v2.0 Service Pack 1a</p> <p>CommandView EVA: v2.1 build 264 with VCS FW v2.006 and v3.0 build 368 with VCS FW v3.001</p> <p>Continuous Access EVA Software: v1.0 User Interface for use with FW v3.001</p>	<p>HP 1GB SAN Switches FW: 2.6.0h</p> <ul style="list-style-type: none"> • SAN Switch 8-EL • SAN Switch 16-EL • SAN Switch 8 & 16 • SAN Switch Integrated 32 • SAN Switch Integrated 64 <p>HP 2GB SAN Switches 8/16 ports FW: 3.0.2k</p> <ul style="list-style-type: none"> • SAN Switch 2/8 EL • SAN Switch 2/16 EL • SAN Switch 2/16 <p>HP 2GB SAN Switches >32 ports FW: 4.0.2b</p> <ul style="list-style-type: none"> • SAN Switch 2/32 EL • Core Switch 2/64 <p>HP Director and Edge Switches FW: 04.01.02-4</p> <ul style="list-style-type: none"> • Director 2/64 • Director 2/140 • Edge Switch 2/16 • Edge Switch 2/24 • Edge Switch 2/32 <p>*** Note: For the 2GB SAN Switch, FW 3.0.2.k_1 is required for Continuous Access and should not be mixed with 3.0.2.k; upgrade all switches within the same SAN if VCS FW v3.001 is attached.</p>	<p>Product Page</p> <p>Supporting Documentation</p> <p>MSCS Support Matrix - archive</p> <p>June 2003</p>