

hp Restricted

All components listed in this stream are supported with each other, except as denoted in compatibility matrices.

HP-UX 11.11 (11i) to MSA1000 Fibre Channel Connectivity (Revision: 12)
(Status: Published)
(Last updated: May 25 2005 5:29PM)

OS

HP: HP-UX(11.11) OS Patch: PHKL_26938 OS Patch: PHKL_28659 OS Patch: PHKL_28984 OS Patch: PHKL_29468 Patch Bundle: HWE 11.11.0312.4 Patch Bundle: MC B.11.11.0312 Patch Bundle: Online Diag B.11.11.13.14 - With vPars support; Single Controller Only; The PHKL_xxxxx patches (or later) are required for the A6826A abd A9782A

Host

[A-Class](#)

HP: A180	HP: A180C
HP: A400	HP: A500
HP: rp2400	HP: rp2430
HP: rp2450	HP: rp2470

[K-Class](#)
(64-bit only)

HP: Kx60	HP: Kx70
HP: Kx80	

[L-Class](#)

HP: rp5400	HP: rp5430
HP: rp5450	HP: rp5470

[N-Class](#)

HP: rp3410	HP: rp3440_1
HP: rp4440_1	HP: rp7400
HP: rp7410	HP: rp7420_1
HP: rp8400	HP: rp8420_1

[SuperDome](#)
(16, 32, 64-way, PA-RISC processor versions only)

HP: SD16000	HP: SD-32/64/128
HP: SD32000	HP: SD64000

Host SW

[Cluster Management](#)

HP: MC/Service Guard

ILM

[Disaster Recovery](#)

HP: Data Protector

Enterprise Backup Solution

Data Protection

HP: EBS

HBA

See: <http://www.hp.com> for specific HBA/Host/OS support details. Until further notice, host port topology PriNL is supported ONLY as DC

HP: A5158A - HP: A5158A Driver: Native	HP: A6685A - HP: A6685A Driver: Native
HP: A6795A - HP: A6795A Driver: Native - Driver: Native EFI: v1.16(0x1.10)	HP: A6826A EFI: 1.42 FW: 3.3.150 - HP: A6826A Driver: Native - Recommended FW: PA_Risc 3.003.150 EFI: 1.42
HP: A9782A EFI: 1.42 FW: 3.3.150 - HP: A9782A Driver: Native - Recommended FW: PA_Risc 3.003.150 EFI: 1.42	HP: A9784A EFI: 1.42 FW: 3.3.150 - HP: A9784A Driver: Native - Recommended FW: PA_Risc 3.003.150 EFI: 1.42

Switch FC

[See compatibility matrices below](#)

Refer to SAN Design Guide document on SPOCK for supported SAN topologies and 2Gbps switch speed constraints.

B-Series

BCD: Brocade 2400 FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b	BCD: Brocade 2800 FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b
CPQ: SAN Switch 16 FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b	CPQ: SAN Switch 16-EL FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b
CPQ: SAN Switch 2/16 FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0	CPQ: SAN Switch 2/16-EL FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0
CPQ: SAN Switch 2/8-EL FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0	CPQ: SAN Switch 8 FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b
CPQ: SAN Switch 8-EL FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b	CPQ: SAN Switch Integrated/32 FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b
CPQ: SAN Switch Integrated/64 FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b	HP: Brocade 4Gb Switch for p-Class BladeSystem, Base FW: 5.0.0 - Recommended FW: 5.0.0; Minimum FW: 5.0.0
HP: Brocade 4Gb Switch for p-Class BladeSystem, FF FW: 5.0.0 - Recommended FW: 5.0.0; Minimum FW: 5.0.0	HP: Brocade 4Gb Switch for p-Class BladeSystem, PP FW: 5.0.0 - Recommended FW: 5.0.0; Minimum FW: 5.0.0
HP: Core Switch 2/64 FW: 4.4.0b FW: 4.4.0c - Recommended FW: 4.4.0c Minimum FW: 4.4.0b	HP: Core Switch 2/64 Power Pack FW: 4.4.0b FW: 4.4.0c - Recommended FW: 4.4.0c Minimum FW: 4.4.0b
HP: FC 16B FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0	HP: FC 8B FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0
HP: FC Entry Switch 8B FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0	HP: FC Switch 6164-32 FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b
HP: FC Switch 6164-64 FW: 2.6.2b FW: 2.6.2c - Recommended FW: 2.6.2c; Minimum FW: 2.6.2b	HP: MSA SAN Switch 2/8 FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0
HP: SAN Director 2/128 FW: 4.4.0b FW: 4.4.0c - Recommended FW: 4.4.0c Minimum FW: 4.4.0b	HP: SAN Director 2/128 Power Pack FW: 4.4.0b FW: 4.4.0c - Recommended FW: 4.4.0c Minimum FW: 4.4.0b
HP: SAN Switch 2/16 FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0	HP: SAN Switch 2/16 Power Pack FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0
HP: SAN Switch 2/16-EL FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0	HP: SAN Switch 2/32 FW: 4.4.0b FW: 4.4.0c - Recommended FW: 4.4.0c Minimum FW: 4.4.0b
HP: SAN Switch 2/32 Power Pack FW: 4.4.0b FW: 4.4.0c - Recommended FW: 4.4.0c Minimum FW: 4.4.0b	HP: SAN Switch 2/8 Power Pack FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0
HP: SAN Switch 2/8-EL FW: 3.2.0 FW: 3.2.0a - Recommended FW: 3.2.0a; Minimum FW: 3.2.0	HP: SAN Switch 2/8V GSA/TAA FW: 4.4.0b FW: 4.4.0c - Recommended FW: 4.4.0c Minimum FW: 4.4.0b
HP: SAN Switch 2/8V GSA/TAA Power Pack FW: 4.4.0b FW: 4.4.0c - Recommended FW: 4.4.0c Minimum FW: 4.4.0b	

C-Series

Recommended FW: 1.3.4a. Refer to C-Series MDS IP Services Module iSCSI/FCIP Stream.

CSC: MDS 9120 FirmwareSet1 FW: 2.0.1b FW: 2.1.1a - Recommended FW: 2.1.1a, minimum FW: 2.0.1b	CSC: MDS 9140 FirmwareSet1 FW: 2.0.1b FW: 2.1.1a - Recommended FW: 2.1.1a, minimum FW: 2.0.1b
CSC: MDS 9216 FirmwareSet1 FW: 2.0.1b FW: 2.1.1a - Recommended FW: 2.1.1a, minimum FW: 2.0.1b	CSC: MDS 9506 FirmwareSet1 FW: 2.0.1b FW: 2.1.1a - Recommended FW: 2.1.1a, minimum FW: 2.0.1b
CSC: MDS 9509 FirmwareSet1 FW: 2.0.1b FW: 2.1.1a - Recommended FW: 2.1.1a, minimum FW: 2.0.1b	

M-Series

Mixing switch firmware versions in the fabric is permitted only during upgrades. Do not enable new features until the upgrade is completed.

CPQ: SAN Director 64 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22	HP: Director 2/140 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22
HP: Director 2/64 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22	HP: Director FC-64 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22
HP: Edge Switch 2/12 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22	HP: Edge Switch 2/16 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22
HP: Edge Switch 2/24 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22	HP: Edge Switch 2/32 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22
MCD:McDATA ED-5000 FW:04.01.00-16 FW:04.01.01-02 - Recommended: FW 04.01.01-02; Minimum: FW 04.01.00-16	MCD:McDATA ES-3016 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22
MCD:McDATA ES-3032 FW:06.02.00-22 FW:07.00.00-84 - Recommended FW:07.00.00-84; Minimum FW: 06.02.00-22	

Switch Software

[See compatibility matrices below](#)

Fabric Management

CSC: Fabric Manager(2.1.1a) - Recommended: 2.1.1a Minimum 2.0.1b	HP: Fabric Manager (4.2)
HP: HAFM(04.02.00-40) - Minimum version for McData ED-5000	HP: HAFM(07.01.00-09) - Minimum version (Notebook HAFM Server only)
HP: HAFM(07.02.00-09) - Minimum version (1U HAFM Server only)	HP: HAFM(08.06.00)

SAN Extension

Multi Protocol Device

HP: MP Router FW: 7.3.0b - HP: MP Router FW: 7.3.0b - Refer to the SAN Design Reference Guide for supported Multi-protocol Router configuration rules. Refer to the Multi-protocol Router stream document for FCIP support.

Disk Array

HP: MSA1000 FW: 4.44 OS Parameter: HP-UX - Minimum FW: 4.44

Corresponding compatibility matrices:

Stream Name: HP-UX 11.11 (11i) to MSA1000 Fibre Channel Connectivity
 Compatibility matrix: Switch FC x Switch Software
 Revision: 12
 Status: Published
 Last Updated: 25 May 2005 - 17:29

Switch FC	Switch Software	CSC: Fabric Manager(2.1.1a)	HP: Fabric Manager (4.2)	HP: HAFM (04.02.00-40)	HP: HAFM (07.01.00-09)	HP: HAFM (07.02.00-09)
BCD: Brocade 2400		N	N	N	N	N
BCD: Brocade 2800		N	N	N	N	N
CPQ: SAN Director 64		N	N	N	N	N
CPQ: SAN Switch 16		N	N	N	N	N
CPQ: SAN Switch 16-EL		N	N	N	N	N
CPQ: SAN Switch 2/16		N	N	N	N	N
CPQ: SAN Switch 2/16-EL		N	N	N	N	N

CPQ:SAN Switch 2/8-EL	N	N	N	N	N
CPQ:SAN Switch 8	N	N	N	N	N
CPQ:SAN Switch 8-EL	N	N	N	N	N
CPQ:SAN Switch Integrated/32	N	N	N	N	N
CPQ:SAN Switch Integrated/64	N	N	N	N	N
CSC:MDS 9120 FirmwareSet1	N	N	N	N	N
CSC:MDS 9140 FirmwareSet1	N	N	N	N	N
CSC:MDS 9216 FirmwareSet1	N	N	N	N	N
CSC:MDS 9506 FirmwareSet1	N	N	N	N	N
CSC:MDS 9509 FirmwareSet1	N	N	N	N	N
HP:Brocade 4Gb Switch for p-Class BladeSystem, Base	N	N	N	N	N
HP:Brocade 4Gb Switch for p-Class BladeSystem, FF	N	N	N	N	N
HP:Brocade 4Gb Switch for p-Class BladeSystem, PP	N	N	N	N	N
HP:Core Switch 2/64	N	N	N	N	N
HP:Core Switch 2/64 Power Pack	N	N	N	N	N
HP:Director 2/140	N	N	N	N	N
HP:Director 2/64	N	N	N	N	N
HP:Director FC-64	N	N	N	N	N
HP:Edge Switch 2/12	N	N	N	N	N
HP:Edge Switch 2/16	N	N	N	N	N
HP:Edge Switch 2/24	N	N	N	N	N
HP:Edge Switch 2/32	N	N	N	N	N
HP:FC 16B	N	N	N	N	N
HP:FC 8B	N	N	N	N	N
HP:FC Entry Switch 8B	N	N	N	N	N
HP:FC Switch 6164-32	N	N	N	N	N
HP:FC Switch 6164-64	N	N	N	N	N
HP:MSA SAN Switch 2/8	N	N	N	N	N
HP:SAN Director 2/128	N	N	N	N	N
HP:SAN Director 2/128 Power Pack	N	N	N	N	N
HP:SAN Switch 2/16	N	N	N	N	N
HP:SAN Switch 2/16 Power Pack	N	N	N	N	N
HP:SAN Switch 2/16-EL	N	N	N	N	N
HP:SAN Switch 2/32	N	N	N	N	N
HP:SAN Switch 2/32 Power Pack	N	N	N	N	N
HP:SAN Switch 2/8 Power Pack	N	N	N	N	N
HP:SAN Switch 2/8-EL	N	N	N	N	N
HP:SAN Switch 2/8V GSA/TAA	N	N	N	N	N
HP:SAN Switch 2/8V GSA/TAA Power Pack	N	N	N	N	N
MCD:McDATA ED-5000	N	N	N	N	N
MCD:McDATA ES-3016	N	N	N	N	N
MCD:McDATA ES-3032	N	N	N	N	N

Switch Software	HP:HAFM (08.06.00)
Switch FC	
BCD:Brocade 2400	N
BCD:Brocade 2800	N
CPQ:SAN Director 64	N
CPQ:SAN Switch 16	N
CPQ:SAN Switch 16-EL	N
CPQ:SAN Switch 2/16	N
CPQ:SAN Switch 2/16-EL	N
CPQ:SAN Switch 2/8-EL	N
CPQ:SAN Switch 8	N
CPQ:SAN Switch 8-EL	N
CPQ:SAN Switch Integrated/32	N
CPQ:SAN Switch Integrated/64	N
CSC:MDS 9120 FirmwareSet1	N
CSC:MDS 9140 FirmwareSet1	N
CSC:MDS 9216 FirmwareSet1	N

CSC:MDS 9506 FirmwareSet1	N
CSC:MDS 9509 FirmwareSet1	N
HP:Brocade 4Gb Switch for p-Class BladeSystem, Base	N
HP:Brocade 4Gb Switch for p-Class BladeSystem, FF	N
HP:Brocade 4Gb Switch for p-Class BladeSystem, PP	N
HP:Core Switch 2/64	N
HP:Core Switch 2/64 Power Pack	N
HP:Director 2/140	N
HP:Director 2/64	N
HP:Director FC-64	N
HP:Edge Switch 2/12	N
HP:Edge Switch 2/16	N
HP:Edge Switch 2/24	N
HP:Edge Switch 2/32	N
HP:FC 16B	N
HP:FC 8B	N
HP:FC Entry Switch 8B	N
HP:FC Switch 6164-32	N
HP:FC Switch 6164-64	N
HP:MSA SAN Switch 2/8	N
HP:SAN Director 2/128	N
HP:SAN Director 2/128 Power Pack	N
HP:SAN Switch 2/16	N
HP:SAN Switch 2/16 Power Pack	N
HP:SAN Switch 2/16-EL	N
HP:SAN Switch 2/32	N
HP:SAN Switch 2/32 Power Pack	N
HP:SAN Switch 2/8 Power Pack	N
HP:SAN Switch 2/8-EL	N
HP:SAN Switch 2/8V	N
GSA/TAA	N
HP:SAN Switch 2/8V	N
GSA/TAA Power Pack	N
MCD:McDATA ED-5000	N
MCD:McDATA ES-3016	N
MCD:McDATA ES-3032	N

N: Not supported or not tested on this topology
Y: Supported and tested on this topology
B: Supported, tested and bootable on this topology