Linux SAN rules

This section describes the SAN rules for Linux.

For current storage system support, see the SPOCK website at http://www.hp.com/storage/spock. You must sign up for an HP Passport to enable access.

Table 106 (page 197) describes SAN rules for Red Hat Linux and SUSE Linux.

Table 106 Linux SAN configuration rules

Storage systems[1]	Linux SAN rules
All supported	• Supports multipathing high-availability configuration in multiple fabrics or in a single fabric with zoned paths.
P2000 G3 FC MSA2000fc G2 (MSA2300fc) MSA2000fc	• Zoning is required when Linux is used in a heterogeneous SAN with other operating systems. • For HBA parameter settings, see "MSA2000fc G2 and MSA2000fc storage system rules" (page 209). • Supports boot from SAN, except for MSA2000fc with the latest versions of RHEL. • Supports Device Mapper.
MSA1000	• Single controller and dual controller with active/active failover
MSA1500	• Single controller and dual controller with active/active failover
XP128 XP12000 XP1024 XP20000 XP10000 XP24000	• Zoning is required when Linux is used in a heterogeneous SAN with other operating systems. • Provides single-path support only. • Supports clusters (32-bit/64-bit). • Supports active/active or active/passives failover mode. • Supports boot from SAN. For more information, see "P9000/XP SAN boot support" (page 237).
EVA4000 EVA8000 EVA4100 EVA8100 EVA4400 EVA8400 EVA6000 P6300 EVA EVA6100 P6350 EVA EVA6400 P6500 EVA P6550 EVA	• Zoning is required when Linux is used in a heterogeneous SAN with other operating systems. • Supports connection of single HBA servers. • Supports boot from SAN. For more information, see "P6000/EVA SAN boot support" (page 228). • For HP P6000 Continuous Access configuration information, see "HP P6000 Continuous Access SAN integration" (page 227).
SVSP	• Zoning • Active/Passive support only (no device mapper support for Active/Passive array) • Supports boot from SAN. For more information, see "SVSP SAN boot support" (page 247).
SVSP 3.0	• For information about supported Fibre Channel components, see the SPOCK website at http://www.hp.com/storage/spock. You must sign up for an HP Passport to enable access. • Supports boot from SAN. For more information, see "P6000/EVA SAN boot support" (page 228). • Direct connect not supported. • Requires a QLogic failover driver. • For information about zoning of host initiator ports, DPM target ports, DPM initiator ports, VSM ports, and storage target ports, see SVSP requirements.
P10000 3PAR V-Class; 3PAR F-Class, T-Class	• Zoning by HBA is required when used in a heterogeneous SAN, including other operating systems and other storage system families or types. • All hosts must have the appropriate Host Operating System type parameter set (Host Persona) and the required host settings described in the *3PAR Linux Implementation Guide*.

[1] Unlisted but supported storage systems have no additional SAN configuration restrictions. For the latest support information, contact an HP storage representative.

Linux multipath software coexistence support

All HP FC storage systems supported with Linux are supported for coexistence on the same server and HBA when using Device-Mapper Multipath software. The multipathing parameter settings for each storage system are managed by Device Mapper.

Table 107 Linux storage system, HBA, and multipath software coexistence support[1]

		P2000 G3 MSA2000fc G2 (MSA2300fc)	P63xx/P65xx EVA EVA 4000/4100/4400/ 6000/6100/ 8000/ 8100 4400 6400/8400	P9500 XP10000/12000/ 20000/24000	3PAR
		Device-Mapper Multipath			
P2000 G3 MSA2000fc G2 (MSA2300fc)	Device-Mapper Multipath	S	S	S	S
P63xx/P65xx EVA EVA 4000/4100/4400/ 6000/6100/8000/8100/ 4400/6400/8400		S	S	S	S
P9500 XP10000/12000/20000/24000		S	S	S	S
3PAR		S	S	S	S

[1] **Legend:** D = same server and different HBA; S = same server and HBA; — = not supported

Microsoft Windows SAN rules

This section describes the SAN rules for Microsoft Windows.

For current storage system support, see the SPOCK website at http://www.hp.com/storage/spock. You must sign up for an HP Passport to enable access.

Table 108 (page 199) describes the SAN configuration rules for Microsoft Windows.
Table 109 (page 200) describes support for Microsoft Windows storage, HBA, and multipathing coexistence.