

**StorNext 3.5.1 File System and Storage Manager
Supported Operating Systems and Platforms**

Operating System	Kernel or Release	Platform	MDC Server	File System SAN Client	Distributed LAN Server	File System LAN Client	Storage Manager / SNAPi
Windows Server 2003	R2 SP2**	x86 32-bit	✓	✓	✓*	✓	
		x86 64-bit	✓	✓	✓*	✓	
Windows XP	SP2 SP3	x86 32-bit		✓		✓	
		x86 64-bit		✓		✓	
Windows Vista	SP1	x86 32-bit		✓		✓	
		x86 64-bit		✓		✓	
Windows Server 2008	SP1	x86 32-bit		✓		✓	
		x86 64-bit	✓	✓	✓*	✓	
Red Hat Enterprise Linux 4	2.6.9-67.EL (Update 6) 2.6.9-78.EL (Update 7)	X86 32-bit x86 64-bit	✓	✓	✓	✓	
	2.6.9-89 EL (Update 8)	X86 32-bit x86 64-bit	✓	✓	✓	✓	✓‡
Red Hat Enterprise Linux 5 (all versions, excluding virtualization)	2.6.18-53.EL (Update 1) 2.6.18-92.EL (Update 2) 2.6.18-128.EL (Update 3)	x86 64-bit	✓	✓	✓	✓	✓
SUSE Linux Enterprise Server 10	2.6.16-46-0.12 (SP1) 2.6.16-60-0.27 (SP2)	X86 32-bit		✓		✓	
		x86 64-bit	✓	✓	✓	✓	✓
		Itanium 64-bit	✓	✓			
Sun Solaris 10	Generic 120011-14 Generic 127128-11	SPARC 64-bit	✓	✓			✓
		Opteron x86 64-bit		✓		✓	
		Intel x86 64-bit		✓		✓	
IBM AIX	5.3‡‡	64-bit Power Architecture		✓			
HP-UX	11i v2‡‡	IA-64		✓			
SGI-IRIX	6.5.30	64-bit MIPS		✓			
Apple Mac OS X	10.5.5 with Xsan 2.1.1, StorNext MDC	x86 32-bit		✓			

Note: When adding StorNext Storage Manager to a StorNext File System environment, the metadata controller (MDC) must be moved to a supported platform. If you attempt to install and run a StorNext 3.5.1 server that is not supported, you do so at your own risk. Quantum strongly recommends against installing non-supported servers.

* Windows Distributed LAN Server supports up to 128 distributed LAN clients.

** StorNext support and has been tested using R2 SP2 since StorNext release 3.1.2.

‡ In order to install StorNext Storage Manager on a Red Hat Enterprise Linux 4 system, you MUST first install 2.6.9-89 EL (Update 8).

‡‡ StorNext support will transition from HP-UX 11i v2 to 11i v3, and from IBM AIX 5.3 to 6.1 on a future date.

StorNext 3.5.1 Supported Libraries and Tape Drives					
Vendor Library Family	Libraries	Enforced Minimum / Recently Tested Library Firmware Level	Drive Types	Enforced Minimum / Recently Tested Drive Firmware Level	Notes
Quantum / ADIC	Scalar i500	Minimum: 140G	IBM LTO-1		Library firmware upgrade may be required for LTO-3 WORM support 420G.GS00400
			IBM LTO-2		
			IBM LTO-3		
			IBM LTO-4		
			IBM LTO-3 WORM		
			IBM LTO-4 WORM		
			HP LTO-4		
	Scalar i2000	Minimum: 120A Minimum (IBM LTO-3, IBM LTO-3 WORM): 300A Minimum (IBM LTO-4, IBM LTO-4 WORM) 540A Minimum: 7404 i/o blades require 590A (library firmware version i6.5)	IBM LTO-1		See library firmware requirement
			IBM LTO-2		
			IBM LTO-3		
			IBM LTO-4		
			IBM LTO-3 WORM		
			IBM LTO-4 WORM		
			HP LTO-4		
			HP LTO-4 WORM		
	Scalar 24	Minimum: 107A.GY0002	DLT-S4	Minimum: 1F1F	
			IBM LTO-1		Not including WORM
			IBM LTO-2		
			IBM LTO-3		
	Scalar 50	Minimum: 002A	IBM LTO-4		
			IBM LTO-1		Not including WORM 2.10.0013 is bad firmware
			IBM LTO-2		
			IBM LTO-3		
	Scalar 100	Minimum: 2.05.0003	AIT-2		
			IBM LTO-2		Must use SDLC/CSI or SCSI alone.
			IBM 3590B1A		
			AIT-1		
	Scalar 1000	Minimum: 3.00.0017	IBM LTO-1		
IBM LTO-2					
IBM LTO-3 WORM					
Scalar 10K	Minimum: 110A.00001	AIT-2			
		AIT-2 WORM			

Notes: Before using DLT cleaning with DLT-S4 or SDLT 600 drives, configure the library (Scalar i2000 or PX720) to disable reporting of the media ID. If media ID reporting is not disabled, StorNext will not recognize the cleaning media (SDLT type 1).

StorNext 3.5.1 Supported Libraries and Tape Drives (Continued)					
Vendor Library Family	Libraries	Enforced Minimum / Recently Tested Library Firmware Level	Drive Types	Enforced Minimum / Recently Tested Drive Firmware Level	Notes
Quantum / ADIC	PX500	Minimum: 001A	HP LTO-3		Not including WORM 30.0
	PX720	Minimum 4.00	HP LTO-2		Not including WORM
			HP LTO-3		
			DLT-S4		
DXI 7500	Minimum: N / A Recently Tested: 05.02.084	Supported emulations include: DLT7000, SDLT320, SDLT600, DLT-S4, Quantum/Certance LTO-2 and, 3, HP LTO-1, 2, 3 and 4, IBM LTO-1, 2, 3 and 4			
Dell	PV136T	Minimum: 3.11	IBM LTO-2		
			IBM LTO-3		
			IBM LTO-4		
HP	ESL E Series	Minimum: 4.10	HP LTO-3		Including Regular and WORM
			HP LTO-4		
	MSL 6000	Minimum: 0507	HP LTO-2		Including Regular and WORM
			HP LTO-3		
			HP LTO-4		
	MSL G3 Series (2024/4048/8096)	Minimum 2024: 0370 Minimum 4048: 0600 Minimum 8096: 0850	HP LTO-2		
			HP LTO-3		
			HP LTO-4		
	EML E-Series	Minimum: 1070	HP LTO-3		LTO-4 WORM added to matrix at SN 3.5.1; it was validated earlier but missing from earlier release matrices
			HP LTO-4		
HP LTO-4 WORM					
IBM	TS3500	Minimum: 4680	IBM LTO-2		
			IBM LTO-3		
			IBM LTO-4		
			IBM 3592		

Notes: Before using DLT cleaning with DLT-S4 or SDLT 600 drives, configure the library (Scalar i2000 or PX720) to disable reporting of the media ID. If media ID reporting is not disabled, StorNext will not recognize the cleaning media (SDLT type 1).

StorNext 3.5.1 Supported Libraries and Tape Drives (Continued)

Vendor Library Family	Libraries	Enforced Minimum / Recently Tested Library Firmware Level	Drive Types	Enforced Minimum / Recently Tested Drive Firmware Level	Notes	
Qualstar	XLS	Minimum: 0880	IBM LTO-3			
			IBM LTO-4			
Sony	Petasite CSM-200	Minimum: 6.30	IBM LTO-4 drive (T1600)			
Sun / StorageTek SCSI/FC Libraries	9740	Minimum: 2000	Sun/STK 9840			
			Sun/STK 9940			
	L700	Minimum: 2.36	T10000 Rev A*			
			T10000 Rev B**			
			9840D			
L180	Minimum: 2.00	T10000 Rev A*				
SL3000	Minimum: 0205	T10000 Rev B**				
Sun / StorageTek ACSLS (pre-7.3) Libraries	9310	Minimum: None				
	9710	Minimum: None				
	9740	Minimum: 2000				
	L5500	Minimum: None				
	L700	Minimum: 2.36	Sun/STK 9840, Sun/STK 9940, Sun/STK 9940B, T10000 Rev A*, HP LTO-2, HP LTO-4, IBM LTO-2, IBM LTO-3, IBM LTO-4			
	L180	Minimum: 2.00				
	SL8500	Minimum: N / A				
	SL500	Minimum: 10.67			Not including WORM	
	SL3000	Minimum: 0205	HP LTO-4			
			IBM LTO-4			
			T10000 Rev A*			
			T10000 Rev B**			
SL8500	Minimum: None	9840D				
		HP LTO-4				
		IBM LTO-4				
		T10000 Rev A*				
			9840D	Minimum: 1.43 Recently Tested: May 2009		

Notes: Sun/StorageTek no longer supports ACSLS version 6.x. Version 7.0 or higher is required.

* When using T10000 Rev A drives, the STK library parameter Fastload must be set to OFF.

** The encryption feature on T10000 Rev B drives is NOT supported.

StorNext 3.5.1 Supported Libraries and Tape Drives (Continued)

Sun / StorageTek ACSLs 7.3 Libraries	SL3000	Minimum: 0205	HP LTO-4	
			IBM LTO-4	
			T10000 Rev A*	
			T10000 Rev B**	
			9840D	
	SL8500	Minimum: None	HP LTO-4	
			IBM LTO-4	
			T10000 Rev A*	
			9840D	

Notes: Sun/StorageTek no longer supports ACSLS version 6.x. Version 7.0 or higher is required.

* When using T10000 Rev A drives, the STK library parameter Fastload must be set to OFF.

** The encryption feature on T10000 Rev B drives is NOT supported.

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Minimum Firmware Levels for Drives

Drive Type	Minimum Drive Firmware Level	Notes
IBM LTO-1	25D4	Also known as ULT3580-TD1 and ULTRIUM-TD1
IBM LTO-2	3AY4	Also known as ULT3580-TD2 and ULTRIUM-TD2
IBM LTO-3 IBM LTO-3 WORM	4C17	Also known as ULT3580-TD3 and ULTRIUM-TD3
IBM LTO-4	71G0	Also known as ULT3580-TD4 and ULTRIUM-TD4

Note: When using IBM ULTRIUM-TD3 drives with SUSE Linux Enterprise Server 10, you must upgrade the drive firmware to version 64D0 or later.