

# Independent Software Vendor (ISV) matrix for IBM TotalStorage 3592 tape drives and LTO

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### **Product Reference:**

3580: IBM TotalStorage 3580 Tape Drive

TS3100 (3573): IBM System Storage TS3100 Tape Library TS3200 (3573): IBM System Storage TS3200 Tape Library TS4300 (3573): IBM System Storage TS4300 Tape Drive TS3310 (3576): IBM System Storage TS3310 Tape Library TS3500 (3584): IBM System Storage TS3500 Tape Library TS4500 (3584): IBM System Storage TS4500 Tape Library TS1130 (3592): IBM System Storage TS1130 Tape Drive TS1150 (3562): IBM System Storage TS1150 Tape Drive TS1160 (3592): IBM System Storage TS1160 Tape Drive



The following is a list of independent software vendors (ISVs) who have indicated support for the listed product. Each completed cell indicates supported by the ISV for the software indicated.

Acronis: Acronis Backup Advanced → website						
Platform 3580 TS4300 TS4500						
	LTO 6 LTO 7 LTO8	LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8			
Windows	•	•	•			
Notes:						

Arcserve: Arcserve Backup → website						
Platform	3580	TS2900	TS4300	TS	4500	
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160				
AIX	•	•	•	•	•	
HPUX	•	•	•	•	•	
Linux	•	•	•	•	•	
Solaris	•	•	•	•	•	
Windows	•	•	•	•	•	
Notes: Use native driver					_	



Atempo: Time Navigator & MIRIA → website

Notes on ISV site navigation: On the website above, select "ATN Hardware Compatibility Guide" for a list of supported devices.

Platform	3580	TS2900	TS3100/TS3200/TS4300	TS3500/TS4500	
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160			
AIX	•	•	•	•	•
HPUX	•	•	•	•	•
Linux	•	•	•	•	•
Mac OS	•	•	•	•	•
Solaris	•	•	•	•	•
Windows	•	•	•	•	•

#### Notes

### On tape device drivers:

Libraries: Check with Atempo for supported drivers (use either Atempo provided driver or SCSI pass-through driver.) Use of IBM device driver not supported.

Drives: Use the native operating system device driver with the following exceptions:

- On Windows, use the IBM tape driver available from <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a>
- On Mac OS, use Atempo's tape device driver

IBM control path failover (CPF), data path failover (DPF) and system-managed encryption (SME) features require use of the IBM tape device drivers. DPF is supported on Windows. SME is supported on Windows.



## CommVault Systems: Commvault → website

### Notes on ISV site navigation:

- On the website above, select the "Lookup by Device Type" option.
- On the resulting page, select the "All Device Types".

On the following page, choose IBM as the hardware vendor.

Platform	3580	TS2900	TS4300	TS4500	
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160			
AIX	•	•	•	•	•
HPUX	•	•	•	•	•
Linux	•	•	•	•	•
Solaris	•	•	•	•	•
Windows	•	•	•	•	•

#### Notes:

- WORM supported
- Comm Vault supports application-managed encryption (AME)

## Notes on tape device drivers:

Libraries: Use the SCSI pass-through driver on all operating systems with the following exceptions:

- On Windows, use the IBM tape driver from <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a>
  Drives: Use the SCSI pass-through driver on all operating systems with the following exceptions:
- On Windows, use the IBM tape driver from <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a>

The SME feature requires the use of the IBM tape device drivers. SME is supported on Windows.



**DELL/EMC:** NetWorker → website

**Notes on site navigation:** login to Powerlink. Mouse over Support, Interoperability and Product Lifecycle Information, Compatibility Guides. Click NetWorker Hardware Compatibility Guide.

Platform	3580	TS2900	TS3100/TS3200/TS4300	TS3310	TS3500/TS4500	
	LTO 6 LTO 7 LTO 8	TS1150				
AIX	•	•	•	•	•	•
HPUX	•	•	•	•	•	•
Linux	•	•	•	•	•	•
Solaris	•	•	•	•	•	•
Windows	•	•	•	•	•	•

#### Notes:

- NetWorker supports encryption as long as the key is managed by an original equipment manufacturer (OEM) vendor
- For IBM 3584 with multiple LTO™ frames having LTO2 drives, the tape drives have to be in a contiguous sequence. If it is not configured in this manner, sjirdtag, sjirelem, inquire, and jbconfig all return a list of drives that include tape devices where no devices are present.

## On tape device drivers:

Libraries: Use the pass-through device driver

#### Drives:

On Windows, use IBM tape device driver only; On AIX, use IBM Atape device driver only

On Linux, use the native "st" driver only; On Solaris, use either the IBM tape driver or the native st driver; On HP-UX, use the native stape device driver

IBM tape device drivers are available at <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a>

IBM path failover (CPF and DPF) and SME features require use of the IBM tape device drivers. DPF is supported on AIX [Fibre Channel (FC) only], Windows and Solaris. SME is supported on AIX, Windows, and Solaris.



EcholeafSystems: Echoleaf Systems Virtual Drive→pdf

Notes on Echoleaf: In the above link Echoleaf publish the pdf with compliance matrix

Platform	TS2900	TS3100/TS3200/TS4300	TS3500	)/TS4500
	LTO 5	LTO 5	LTO 5	TS1150
	LTO 6	LTO 6	LTO 6	TS1160
	LTO 7	LTO 7	LTO 7	
	LTO 8	LTO 8	LTO 8	
Linux	•	•	•	•

Notes:

On tape device drivers - Use IBM tape driver

Gemalto: SafeNet						
Platform TS3310 TS4300						
	LTO 5 LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8				
All Platforms	•	•				



HPE/Micro Focus: D	a Protector	→ website
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Platform	3580	TS2900	TS3100/TS3200/TS4300	TS3500/TS4500
	LTO 6 LTO 7 LTO 8			
AIX	•	•	•	•
HPUX	•	•	•	•
Linux	•	•	•	•
Solaris	•	•	•	•
Windows	•	•	•	•

## Note on tape device drivers:

Libraries: Use the native operating system device driver for medium changer with the following exceptions: • On AIX, use the driver for the operating system used for robotic control

- On Solaris, use sst
- On HPUX use native driver

Drives: Use the native operating system device driver for the tape drive with the following exceptions:

- On AIX, use the IBM Atape device driver
- On HPUX use native driver

IBM tape drivers can be downloaded from http://www-933.ibm.com/support/fixcentral/

IBM path failover (CPF and DPF) and SME features require use of the IBM tape device drivers. CPF is supported on AIX (FC only). DPF is supported on AIX (FC only). SME is supported on AIX

#### Notes:

• (\*) The IBM AIX media agent supports drives only; the library robotic must be connected to a system that supports a Data Protector Media Agent with robotic support (that is, an HP-UX, Solaris, Linux, or Windows system) that supports the library



IBM RMS → <u>website</u>						
Platform 3580 TS3100/TS3200/TS4300 TS3310 TS3500/TS45						
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160				
IBM i	•	•	•	•	•	
Notes:						

IBM: HPSS → <u>website</u>						
Platform	Platform 3580 TS4300 TS4500					
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160		
AIX	•	•	•	•		
Linux	•	•	•	•		
Notes:						

For both AIX and Linux, use native device driver



IBM: IBM Security Key Lifecycle Manager (formerly IBM Tivoli Key Lifecycle Manager) → website

Platform	TS3100/TS3200/TS4300	TS3310	TS3500	D/TS4500
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 TS1150 LTO 7 TS1160 LTO 8 LTO 9	
All Platforms	•	•	•	•

#### Notes:

- IBM SKLM for zOS does not support the TS4300 tape library
- IBM SKLM V2.7 does not support self-signed certificates with the TS4300 tape library

## IBM: Spectrum Archive Drive Edition → website

Notes on Navigation: If above link broken go to fixcentral and find the SDE support matrix on the Spectrum Archive download list

Platform	3580	3592
	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160
Linux	•	•
Mac OS	•	•
Windows	•	•

## Notes on tape device drivers:

On Linux, use the IBM tape device drivers.

IBM tape device drivers can be downloaded from http://www-933.ibm.com/support/fixcentral/



**IBM: Spectrum Archive Library Edition** → **website** 

Notes on Navigation: If above link broken go to fixcentral and find the LE support matrix on the Spectrum Archive download list

Platform	TS2900	TS4300	TS4500		
	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160	
Linux	•	•	•	•	
Windows	•	•	•	•	

Notes on tape device drivers: Use the IBM tape device drivers.

IBM tape device drivers can be downloaded from http://www-933.ibm.com/support/fixcentral/

IBM: Spectrum Archive Enterprise Edition → website

**Notes on Navigation:** If above link broken go to fixcentral and find the EE support matrix on the Spectrum Archive download list

Platform	TS4300	TS4500		
	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160	
Linux	•	•	•	

**Notes on tape device drivers:** Use the IBM tape device drivers.

IBM tape device drivers can be downloaded from <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a>



IBM: Spectrum Protect → <u>website</u>						
Platform	3580 TS2900 TS4300 TS4500					
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160				
AIX	•	•	•	•	•	
HPUX	•	•	•	•	•	
Linux	•	•	•	•	•	
Solaris	•	•	•	•	•	
Windows		•				

#### Notes:

WORM support with 3592 (TS11) and 3580

## On tape device drivers and software:

Libraries: Use the IBM device driver Drives: Use the IBM device driver

IBM tape drivers can be downloaded from <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a>

Microsoft System Center Data Protection Manager → website								
Platform         3580         TS2900         TS3100/TS3200/TS4300         TS3310         TS3500/TS4500								
	LTO 6 LTO 7 LTO 8							
Windows	•	•	•	•	•			

### Notes:

## On tape device drivers:

IBMTape Device Driver required with non-exclusive installation so no CPF or DPF support



NetApp: NetApp Data Storage → website					
Platform	3580	3592			
	LTO 6 LTO 7 LTO 8	TS1150			
NETAPP OS	•	•			
Notes: NetApp Qualification is for drives only.					

Oracle: SAM-QFS - HSM → website					
Platform	3580 TS3500/TS4500				
	LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8			
Solaris	•	•	•		



Oracle: DIVA → website

**Notes on Navigation:** 

On CSM section find latest core documentation link, then go to supported environments guide and then click on Libraries and Drives.

			,	9 11	
Platform	TS3100/TS3200/TS4300	TS3310	TS3500/TS4500		
	LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8	TS1150	
Linux	•	•	•	•	
Windows	•	•	•	•	
	•	•	•	•	

Oracle: OSB → <u>website</u>						
Platform	TS3100/TS3200/TS4300 TS3500/TS450					
	LTO 6 LTO 7 LTO8	LTO 6 LTO 7 LTO8	TS1150			
Linux	•	•	•			
Windows	•	•	•			



Point: PolNT Archival Gateway → <u>website</u>						
Platform TS3100/TS3200/TS4300 TS3500/TS45						
	LTO 6 LTO 7 LTO8	LTO 6 LTO 7 LTO8 TS1150 TS1160				
Windows • •						

## Notes on tape device drivers:

Libraries: PoINT Archival Gateway uses Windows default drivers. Drives: PoINT Archival Gateway uses Windows default drivers.

Qstar → <u>website</u>						
Platform 3580 TS2900 TS4300 TS4500						
	LTO 6 LTO 7 LTO 8 LTO 9	TS1140 TS1150 TS1160				
Linux	•	•	•	•	•	
Windows	•	•	•	•	•	



Quest Software: NetVault → website

Notes on ISV site navigation: On the website above, select "NetVault Backup Compatibility List: Supported VTLs, Libraries, Tape Drives" under "Docs"

Platform	3580	TS2900	TS3100/TS3200/TS4300	TS3310	TS3500/TS4500	
	LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8 LTO 8		LTO 6 LTO 7 LTO 8	TS1150
AIX	•	•	•	•	•	•
FreeBSD	•	•	•	•	•	•
HP-UX	•	•	•	•	•	•
Solaris	•	•	•	•	•	•
Linux	•	•	•	•	•	•
Mac OS	•	•	•	•	•	•
Windows	•	•	•	•	•	•

## Notes:

TS4300(3573) Supports LTO6 drives and later only

## On tape device drivers:

Libraries: Use SCSI pass-through driver

Drives: Use SCSI pass-through driver



Platform	3580	TS2900	TS3100/TS3200/TS4300	TS3500/TS4500
	LTO 7 LTO 8 LTO 9	LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 7 LTO 8 LTO 9
Windows	•	•	•	•
Linux	•	•	•	•

#### Notes:

Veeam requires IBMTape driver

Supports: ALMS, failover, LTO transparent encryption, full capacity

## Veritas: Backup Exec → website

## Notes on ISV site navigation:

- On the website above, enter "Backup Exec" in the Product Lookup box. Select "Backup Exec for Windows Servers" or any other Backup Exec version of interest. Click on arrow.
- On the following page, click the "Compatibility List" link in the right column.
- From the result page, choose the appropriate Hardware Compatibility List (HCL) for libraries or drives.

Platform	3580	TS2900	TS4300	TS4500	
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150			
Windows		•	•	•	•

#### Notes:

WORM support with LTO

## Note on tape device drivers:

Libraries: Use the Symantec device driver.



Drives: Use the Symantec device driver.

Veritas: NetBackup → website

#### Notes on ISV site navigation:

On the website above, enter "NetBackup" in the Product Lookup box. Search the Knowledge Base for Hardware Compatibility List. Click the NetBackup version of interest.

Platform	3580	TS2900	TS3100/TS3200/TS4300	TS3310	TS3500/TS4500	
	LTO 6 LTO 7 LTO 8	TS1150 TS1160				
AIX	•	•	•	•	•	•
HPUX	•	•	•	•	•	•
Linux	•	•	•	•	•	•
Solaris	•	•	•	•	•	•
Windows	•	•	•	•	•	•

#### Notes:

- WORM support with Ultrium3, Ultrium4, Ultrium5, Ultrium6, Ultrium7 and 3592 drives
- Support for library-based Internal Label Encryption Policy (ILEP) for 3592 E05 and LTO4
- TS4300(3573) Supports LTO6 drives and later only

On tape device drivers: Check the Symantec Hardware Compatibility Lists located on the Symantec support website for the latest tested IBM driver levels.

Libraries: On AIX, install and configure the Symantec ovpass driver. On all other operating systems use the native device driver. Drives:

- On AIX, use the IBM AIX Atape tape driver.
- · On Windows, use the IBM tape drivers.
- On all other operating systems use the native operating system tape device driver.

IBM tape drivers can be downloaded from http://www-933.ibm.com/support/fixcentral/

The IBM SME feature requires use of the IBM tape device drivers. SME is supported on AIX and Windows.



Versity: VSM (Versity Storage Manager) → website			
Platform	TS3500/TS4500		
	LTO 6 LTO 7 LTO 8	TS1150 TS1160	
Linux	•	•	