

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

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### Product Reference:

3580: IBM 3580 Tape Drive

TS4300 (3573): <u>IBM TS4300 Tape Drive</u>
TS3500 (3584): <u>IBM TS3500 Tape Library</u>
TS4500 (3584): <u>IBM TS4500 Tape Library</u>

Diamondback (3584): IBM Diamondback Tape Library

TS1150 (3562): IBM TS1150 Tape Drive TS1160 (3592): IBM TS1160 Tape Drive TS1170 (3592): IBM TS1170 Tape Drive Deep Archive: IBM Storage Deep Archive



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**.

Arcitecta: Mediaflux -> website			
Operating System	Deep Archive on Diamondback		
	LTO 9 SAS LTO 10 SAS		
Linux	•		
Notes: Mediaflux supp	oorts Deep Archive Tape Barcode API		

Acronis: Cyber Backup Advanced /Cyber Protect Advanced → website					
Operating System	3580	TS4300	TS3500/TS4500/Diamondback*		
	LTO 6 LTO 7 LTO8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9		
Windows	•	•	•		
Notes: Diamondback	suppor	ts LTO9 ar	d LTO10 only		



Arcserve: Arcserve Backup → <u>website</u>					
Operating System	3580	TS2900	TS4300	TS3500/TS4500	0/Diamondback*
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160			
Linux	•	•	•	•	•
Windows	•	•	•	•	•

- Use native driver
- Diamondback supports LTO9 and LTO10 only



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.

Operating System	3580	TS2900	TS4300	TS3500/TS4500/I	Diamondback*
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160
Linux	•	•	•	•	•
Mac OS	•	•	•	•	•
Windows	•	•	•	•	•

### Notes:

\*Diamondback supports LTO9 and LTO10 only

## 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.

Operating System	3580	TS2900	TS4300	TS3500/TS450	0/Diamondback*
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170
AIX	•	•	•	•	•
Linux	•	•	•	•	•
Windows	•	•	•	•	•

### Notes:

- WORM supported
- CommVault supports application-managed encryption (AME)

#### Notes:

\*Diamondback supports LTO9 and LTO10 only

# 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: At Dell Networker page at documents section search Networker Hardware Compatibility Guide

Operating System	3580	TS2900	TS4300	TS3500/TS45	00/Diamondback*
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160 TS1170			
AIX	•	•	•	•	•
Linux	•	•	•	•	•
Windows	•	•	•	•	•

### Notes:

NetWorker supports encryption as long as the key is managed by an original equipment manufacturer (OEM) vendor

\*Diamondback supports LTO9 and LTO10 only

## 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

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] and Windows. SME is supported on AIX and Windows



EcholeafSystems: Echoleaf Systems Virtual Drive→pdf					
Notes on Echoleaf: In the above link Echoleaf publish the pdf with compliance matrix					
Operating System	TS2900	TS4300	TS3500	)/TS4500	
	LTO 5 LTO 6 LTO 7 LTO 8	LTO 5 LTO 6 LTO 7 LTO 8	LTO 5 LTO 6 LTO 7 LTO 8	TS1150 TS1160	
Linux	•	•	•	•	
Notes: On tape device drivers - Use IBM tape driver					

IBM: Archive Drive Edition → w	IBM: Archive Drive Edition → <u>website</u>				
<b>Notes on Navigation:</b> If above link broken go to fixcentral and find the SDE support matrix on the Storage Archive download list					
Operating System	3580	3592			
	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9	TS1150 TS1160 TS1170			
Linux	•	•			
Mac OS	•	•			
Windows	•	•			



Notes on Navigation: If above link broken go to fixcent	ral and find the EE support matrix on the Sto	rage Archive down	load list
Operating System	TS4300	TS3500/TS450	0/Diamondback*
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170
Linux	•	•	•

IBM: Archive Library Edition $\rightarrow$ well	<u>bsite</u>			
Notes on Navigation: If above link b	roken go to fixcentral and find	the LE support matrix o	on the Storage Arch	ive download list
Operating System	TS2900	TS4300	TS3500/TS4500	//Diamondback*
	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 5 LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170
Linux	•	•	•	•
Windows	•	•	•	•
Notes: *Diamondback supports LTO9 and LT	FO10 only			



IBM: Archive and Essence Manager → <u>website</u>					
Operating System Deep Archive on Diamondback					
	LTO 9 SAS LTO 10 SAS				
Linux	•				

IBM Cloud Object Storage → <u>website</u>			
Operating System	Deep Archive on Diamondback		
	LTO 9 SAS LTO 10 SAS		
Any ISV OS	Future		

IBM: HPSS → <u>website</u>				
Operating System	3580	TS4300	TS3500/TS45	00/Diamondback*
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170
AIX	•	•	•	•
Linux	•	•	•	•

For both AIX and Linux, use native device driver

\*Diamondback supports LTO9 and LTO10 only



IBM RMS → website					
Operating System	3580	TS4300	TS3500/TS450	0/Diamondback*	
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170	
IBM i	•	•	•	•	
Notes: *Diamondback supports LTO9 and LTO10 only					

IBM: IBM Guardium Key Lifecycle Manager → <u>website</u>					
Operating System	TS4300 TS3500/TS4500/Diamondback*				
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170		
All	•	•	•		

- 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 Storage Ceph → <u>website</u>				
Operating System	Deep Archive on Diamondback			
	LTO 9 SAS LTO 10 SAS			
RHEL	•			
Notes:1.1.0 or later. S3 Glacier API (validated with 3 million objects per bucket)				



IBM Storage Defender Data Protect → <u>website</u>				
Operating System Deep Archive on Diamondback				
	LTO 9 SAS LTO 10 SAS			
NA (appliance)				
Note Supported starting on 7.1.2_u3				

IBM: Storage Protect → <u>website</u>						
Operating System	3580	TS2900	TS4300	TS3500/TS4500	/Diamondback*	Deep Archive Diamondback
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170	LTO 9 SAS LTO 10 SAS
AIX	•	•	•	•	•	
Linux	•	•	•	•	•	Future
Windows	•	•	•	•	•	

\*Diamondback supports LTO9 and LTO10 only

WORM support with 3592 (TS11) and 3580

On tape device drivers and software:

Libraries and 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>



IBM Storage Scale AFM → <u>website</u>				
Operating System	rating System Deep Archive on Diamondback			
	LTO 9 SAS LTO 10 SAS			
NA	•			

IBM Storage TS7700 → website				
Operating System	Deep Archive on Diamondback			
	LTO 9 SAS LTO 10 SAS			
NA (appliance)				
Notes: Starting on TS7700 8.6				



Micro Focus: Data Protector → website					
Operating System	3580	TS2900	TS4300	TS3500/TS4500/Diamondback*	
	LTO 6 LTO 7 LTO 8 LTO9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	
Linux	•	•	•	•	
Windows	•	•	•	•	

\*Diamondback supports LTO9 and LTO10 only

# On tape device drivers

- To utilize IBM 3584 on Linux, the IBM device drivers are required. These can be obtained from the following web page: https://www.ibm.com/support/fixcentral
- IBM path failover (CPF and DPF) and SME features require use of the IBM tape device drivers.

#### Notes:

Microsoft System Center Data Protection Manager → website							
Operating System	ting System 3580 TS2900 TS4300 TS3500/TS4500						
	LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8	LTO 6 LTO 7 LTO 8	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				
Operating System	3580	3592		
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150		
NETAPP OS	•	•		
Notes: NetApp Qualification is fo	or drives o	only.		

Oracle: SAM-QFS - HSM → <u>website</u>					
Operating System	3580 TS3500/TS4500/Diamondback*				
	LTO 6,7,8,9	LTO 6,7,8,9 TS1150			
Solaris					
Notes: *Diamondbad	k supports LTC	9 and LTO10 only			

<b>Notes on Navigation:</b> On CSM section find latest core documentation link, then go to supported environments guide and then click on Libraries and Drives.							
Operating System	TS4300 TS3500/TS4500/Diamondback*						
	LTO 6,7,8,9	LTO 6,7,8,9	TS1150				
Linux	•	•	•				
Windows	•	•	•				



Operating System	TS4300	TS3500/TS4500/Diamondback*		
	LTO 6,7,8,9	LTO 6,7,8,9	TS1150	
Linux	•	•	•	
Windows	•	•	•	

Panzura: Symphony → <u>website</u>					
Operating System Deep Archive on Diamondback					
	LTO 9 SAS LTO 10 SAS				
RHEL	•				
Ubuntu	•				
Windows	•				



Point: PolNT Archival Gateway → <u>website</u>						
Operating System TS4300 TS3500/TS4500/Diamondback*						
	LTO 6	LTO 6	TS1150			
	LTO 7	LTO 7	TS1160			
	LTO 8	LTO 8	TS1170			
	LTO 9	LTO 9				
		LTO 10				
Windows	•	•	•			
Linux	•	•	•			

\*Diamondback supports LTO9 and LTO10 only

On tape device drivers:

Libraries: PolNT Archival Gateway uses native drivers. Drives: PolNT Archival Gateway uses native drivers.

Qstar → <u>website</u>							
Operating System	3580	TS2900	TS4300	TS3500/TS450	00/Diamondback*		
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1140 TS1150 TS1160 TS1170		
Linux	•	•	•	•	•		
Windows	•	•	•	•	•		
Notes: *Diamondback supports LTO9 and LTO10 only							



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"

Operating System	3580	TS2900	TS4300	TS3500/TS4500/Diamondback	
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170
AIX	•	•	•	•	•
Linux	•	•	•	•	•
Windows	•	•	•	•	•

Notes:

TS4300 (3573) Supports LTO6 drives and later only

Diamondback supports LTO9 and LTO10 only

On tape device drivers:

Libraries: Use SCSI pass-through driver Drives: Use SCSI pass-through driver

Saurabhi Media: Archive Mediator → website					
Operating System Deep Archive on Diamondback					
	LTO 9 SAS LTO 10 SAS				
Windows	•				



Starfish Storage: Starfish → website						
Operating System Deep Archive on Diamondback						
	LTO 9 SAS LTO 10 SAS					
Linux	•					
Windows	•					

Veeam: Veeam Backup and Replication → website						
Operating System 3580 TS2900 TS4300 TS3500/TS4500/Diamondba						
	LTO 7 LTO 8 LTO 9	LTO 7 LTO 8 LTO 9	LTO 7 LTO 8 LTO 9	LTO 7 LTO 8 LTO 9 LTO 10	TS1170**	
Windows	•	•	•	•	•	
Linux	•	•	•	•	•	

Veeam requires IBMTape driver

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

<sup>\*</sup>Diamondback supports LTO9 and LTO10 only

<sup>\*\*</sup> All 3592 Compatibility



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.

Operating System	3580	TS2900	TS4300	TS3500/TS45	600/Diamondback
	LTO 6 LTO 7 LTO 8 LTO 9	TS1150			
Windows		•	•	•	•

Notes:

WORM support with LTO

\*Diamondback supports LTO9 and LTO10 only

Note on tape device drivers:

Libraries: Use the Symantec device driver. Drives: Use the Symantec device driver.



Veritas -> Cohesity: 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.

Operating System	3580	TS2900	TS4300	TS3500/TS450	00/Diamondback
	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170
Linux	•	•	•	•	•
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
- Diamondback supports LTO9 and LTO10 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 <a href="http://www-933.ibm.com/support/fixcentral/">http://www-933.ibm.com/support/fixcentral/</a>

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



Versity: VSM (Versity Storage Manager) → <u>website</u>					
Operating System TS3500/TS4500/Diamondback*					
	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170			
Linux	•	•			
Notes: *Diamondback supports LTO9 and LTO10 only					

Versity: ScoutAM (Scale Out Archive Manager) → <u>website</u>		
Operating System	TS3500/TS4500/Diamondback*	
	LTO 6 LTO 7 LTO 8 LTO 9 LTO 10	TS1150 TS1160 TS1170
Linux	•	•
Notes: *Diamondback supports LTO9 and LTO10 only		