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

Last updated: Jan 15, 2019
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Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve throughput or performance improvements equivalent to the ratios stated here. Photographs shown are of engineering prototypes. Changes may be incorporated in production models.

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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
- TS1140 (3592): IBM System Storage TS1140 Tape Drive
- TS1150 (3562): IBM System Storage TS1150 Tape Drive
- TS1155 (3592): IBM System Storage TS1155 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](#)

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**Notes:**
TS4300(3573) Supports LTO6 drives and later only

### Arcserve: Arcserve Backup → [website](#)

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### Platform Support

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### Notes:
- TS4300(3573) Supports LTO6 and later only

### On tape device drivers:
- Libraries: Check with ASG/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 Mac OS, use ASG/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.

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**Notes:**
- WORM supported
- TS4300(3573) Supports LTO6 drives and later only
- CommVault 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:

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

The SME feature requires the use of the IBM tape device drivers. SME is supported on Windows.
Notes on site navigation: login to Powerlink. Mouse over Support, Interoperability and Product Lifecycle Information, Compatibility Guides. Click NetWorker Hardware Compatibility Guide.

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Notes:
- NetWorker supports encryption as long as the key is managed by an original equipment manufacturer (OEM) vendor
- TS4300(3573) Supports LTO6 and later only
- 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 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.
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**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 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
- TS4300(3573) Supports LTO6 drives and later only
### IBM BRMS → [website](#)

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**Notes:** TS4300(3573) Supports LTO6 drives and later only

### IBM: HPSS → [website](#)

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**Notes:**
- TS4300(3573) Supports LTO6 drives and later only
- For both AIX and Linux, use native device driver

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

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All Platforms: • • • • •

Notes:
- TS4300(3573) Supports LTO6 drives and later only
- 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

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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

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Linux: • • •

Mac OS: • •

Windows: • •

Notes on tape device drivers:
On Linux, use the IBM tape device drivers.

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IBM: Spectrum Archive Library Edition → [website](#)

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**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/](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

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**Notes:**
- WORM support with 3592 (TS11) and 3580
- TS4300 supports LTO6 and later only

**On tape device drivers and software:**
- Libraries: Use the IBM device driver
- Drives: Use the IBM device driver
Microsoft System Center Data Protection Manager → website

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Notes:
- TS4300(3573) Supports LTO6 drives and later only **On tape device drivers**: IBM Tape Device Driver required with non-exclusive installation so no CPF or DPF support

NetApp: NetApp Data Storage → website

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Notes: NetApp Qualification is for drives only.

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

| Oracle: DIVA | website |
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| **Platform** | **TS3100/TS3200/TS4300** | **TS3310** | **TS3500/TS4500** |
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|             | LTO 7   | LTO 7               |
| Linux       | •       | •                   | •       |
| Windows     | •       | •                   | •       |

| Oracle: OSB | website |
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| **Platform** | **TS3100/TS3200/TS4300** | **TS3500/TS4500** |
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| Linux       | •       | •                   |
| Windows     | •       | •                   |

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**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”.

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**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

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### Thales e-Security keyAuthority®

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**Notes:**
TS4300(3573) Supports LTO6 drives and later only

### Veeam: Veeam Backup and Retention

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**Notes:**
Veeam requires IBM Tape driver
Supports: ALMS, failover, LTO transparent encryption, full capacity

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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.

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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**

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**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.

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**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.


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

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