Backup Exec 15
Hardware Compatibility List (HCL)

Created on April 20, 2020

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<https://download.veritas.com/resources/content/live/OSVC/100046000/100046609/en_US/be_15_hcl.html>

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Introduction

This Hardware Compatibility List (HCL) document contains information for all editions of Backup Exec 15. All hardware must be present on this HCL for support, unless a section clearly states that the devices listed are not the only devices supported (such as the Disk Target section). If your tape drive, tape library, or virtual tape library is not properly detected, please update your system using the latest Feature Pack before calling Support. Updating the drivers frequently resolves device related issues. This update can be found on our support site. <https://www.veritas.com/support/en_US/15047.html> Please see these links for information about how and where to obtain updates <https://www.veritas.com/content/support/en_US/article.100019916> and <https://www.veritas.com/support/en_US/article.100041552>

Backup Exec support policy is that all of the vendors involved (both hardware and software) must support all the pieces involved. For example, the Host Bus Adapter must be supported by the hardware vendor and the operating system vendor in order for Veritas to provide support. Always consult the hardware manufacturer's support list and the operating system vendor's support list when troubleshooting or planning a data protection installation. All entries were believed to be fully supported by all parties involved when they were added to this Veritas list, but if a vendor drops their support after this list was published, Veritas support will be on a reasonable-effort basis.

Hardware is selected and prioritized for certification based on market research and input from the field, including customer feedback. If a customer would like to have their hardware considered for inclusion on this HCL, simply submit the request via an email <Backup_Exec_HCL@veritas.com> . Requests will be reviewed by the appropriate Veritas Product Management team members for possible certification, with final decisions based on the overall fit with the product, target market, and frequency of request.

Some notes about drivers: Veritas Kernel-mode Tape drivers and tapeinst.exe are no longer installed if Backup Exec 15 is installed on Windows Server 2012 or later. There are no devices on this Backup Exec 15 Hardware Compatibility List (HCL) that require Veritas Kernel-mode drivers. USB tape devices still require a Microsoft or vendor Kernel-mode driver, in addition to the Veritas User-mode driver. Users of very old, unsupported, tape devices should investigate and test before using Windows Server 2012 or later to determine the functionality as kernel-mode drivers may be required. All supported tape devices are now accessed by Veritas User-mode drivers. Most tape devices have been accessed by User-mode drivers for multiple previous versions of Backup Exec.

User-mode drivers are not visible in the Windows Device Manager. When no Kernel-mode drivers are installed, the Windows Device Manager may show the tape drive with a yellow exclamation mark. This is acceptable and does NOT prevent the device from being used with Backup Exec and the User-mode drivers. Kernel-mode drivers from Microsoft or the tape hardware vendor are generally acceptable to be installed. Backup Exec will continue to access the tape devices via User-mode drivers.

Tapeinst.exe is the program that installs Veritas Kernel-mode tape class drivers. When using Windows Server 2008 R2 or earlier, tapeinst.exe can be invoked manually or via the "Install Tape Device Drivers" wizard (under the "Configure Storage" menu). When using Windows Server 2012 or later, the ability to run the "Install Tape Device Drivers" wizard (under the Configure Storage menu) is no longer present and is not needed.

Some notes about tape drive block sizes: Please be sure to consult this technote when using tape drive block sizes above the 64KB default size. <https://www.veritas.com/content/support/en_US/article.100019307>

Alternative Configurations: Our Licensed Software is designed to interoperate with many types of systems, applications, and hardware. Sometimes a customer may choose to use our Licensed Software in an **"Alternative Configuration"**, namely, an environment that has not been validated, approved or verified to operate with our Licensed Software or which does not support such Licensed Software or only supports limited functionality. In most cases, we do not support Alternative Configurations, and we have no obligation to provide Support Services to Licensed Software in an Alternative Configuration. Veritas makes no warranty with respect to use of Licensed Software in an Alternative Configuration and any such use is at your own risk. A **"Supported Configuration"** might be converted into an Alternative Configuration where a vendor modifies one of its components that is part of the original Supported Configuration. As a consequence, your Licensed Software would then be operating in an Alternative Configuration. If you experience a problem with the Licensed Software in an Alternative Configuration or if your issue deals with script that was not developed by Veritas or an authorized consulting partner, then we may ask you to reproduce the problem in a Supported Configuration environment. Please note we have no obligation to attempt to resolve problems that cannot be replicated in a Supported Configuration. However, if the problem can be replicated in a Supported

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Configuration, we will investigate the problem in that Supported Configuration and attempt to resolve it. If the problem cannot be replicated in a Supported Configuration, then we may elect not to work on that problem.

Configuring a tape device with a virtual machine is considered an "Alternative Configuration". For more details on the configuration of virtual machines with tape devices, see the following related articles, <https://www.veritas.com/content/support/en_US/article.100001998> , <http://www.veritas.com/docs/000010619> , and <https://www.veritas.com/content/support/en_US/article.100020969> .

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Backup Exec Documentation

Item	Location
Backup Exec 15 Administrator's Guide	<https://www.veritas.com/content/support/en_US/doc/ka6j0000000BRoeAAG-0>
Backup Exec 15 Command Line Interface Help Download	<https://www.veritas.com/content/support/en_US/article.100040870>
Backup Exec 15 Tuning and Performance Guide	<https://www.veritas.com/content/support/en_US/doc/ka6j000000009WyAAI-1>
Backup Exec 15 Readme	<https://www.veritas.com/content/support/en_US/downloads/detail.REL555751#item3>
Backup Exec 15 Software Compatibility List (SCL)	<https://www.veritas.com/content/support/en_US/doc/BE_15_SCL>
What’s Different in Backup Exec 15	<https://www.veritas.com/content/support/en_US/doc/ka6f10000000BADAA2>

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NAS Sources	SAN Infrastructure components	Support End-of-Life
Retiring Soon		

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Newly-Supported Devices

No new patches for new hardware devices are planned for Backup Exec 15. Please see <https://www.veritas.com/support/en_US/article.000116356> for further details and dates.

This HCL will continue to be updated as needed for administrative updates and/or to clarify support positions.

LiveUpdate will obtain the latest updates for your BE version. Backup Exec 15 Feature Pack 5 contains the latest driver patches available for BE 15, build 1180. <https://www.veritas.com/support/en_US/article.100032685.html>

Your device may require that you download and install a Feature Pack, but it is RECOMMENDED that the latest patches are always used. If a new Feature Pack is utilized, it is required that Simplified Disaster Recovery (SDR) users regenerate the SDR boot media.

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Select hardware by BE option or agent

The listed options and agents have hardware requirements. They are included here for the purpose of helping choose the appropriate hardware for the selected agent/option.

Advanced Disk-based Backup Option

The Advanced Disk-based Backup Option (ADBO, included with the Enterprise Server Option), as it relates to hardware devices in this HCL, can be seen in the VSS Providers for Offhost backup section.

Deduplication Option

The Deduplication Option support information is included with the Disk Targets sections. There are two basic options to choose from:
1. Backup Exec Deduplication Option Storage. To find tested devices, search by storage device vendor in the Disk Targets | Disk Storage section , then model, then look for a check [✔] in the "dedup" column for tested disk devices.
2. Deduplication Appliance - sometimes referred to as OpenStorage devices from our hardware/software partners. See the OST-Appliance section .

Simplified Disaster Recovery Option

The Simplified Disaster Recovery (SDR) Option is supported on tape libraries, tape drives, virtual tape libraries, and disk devices (present at system start time) unless otherwise mentioned in a footnote, or section header paragraph.

For compatibility information on physical tape libraries with SDR, please refer to the Tape Libraries with Drives Section of this document.

For compatibility information on virtual tape libraries (VTLs) with SDR, please refer to the Virtual Tape Libraries with Drives Section of this document.

For compatibility information on tape drives with SDR, please refer to the Tape Drives Section of this document.

NDMP Option

The storage devices supported by the NDMP option are included with the Tape Library / Virtual Tape Library sections. Please refer to the NDMP-specific notes in the "NDMP Platforms" section. These notes can be found as footnotes, per NDMP vendor / device combination. These notes apply to the "Virtual Tape Libraries with Drives" and "Tape Libraries with Drives Section" sections. Search by storage device vendor, then model, then look for a check [✔] in the NDMP column for support. Please note that the presence of a check means that Veritas will support the storage device and NDMP combination IF and ONLY IF the NDMP vendor also supports the library / drive combination. Please refer to the NDMP vendors' documentation for storage device support.

For compatibility information on NDMP platforms supported, please refer to the NDMP Platforms Section of this document.

For compatibility information on physical tape libraries with NDMP, please refer to the Tape Libraries with Drives Section of this document.

For compatibility information on virtual tape libraries (VTLs) with NDMP, please refer to the Virtual Tape Libraries with Drives Section of this document.

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Remote Media Agent for Linux

The Remote Media Agent for Linux (RMAL) support information is included with the Tape Library / Virtual Tape Library / Tape Drives sections. Search by storage device vendor, then model, then look for a check [✔] in the RMAL column for support.

For compatibility information on physical tape libraries with RMAL, please refer to the Tape Libraries with Drives Section of this document.

For compatibility information on virtual tape libraries (VTLs) with RMAL, please refer to the Virtual Tape Libraries with Drives Section of this document.

For compatibility information on tape drives with RMAL, please refer to the Tape Drives Section of this document.

Enterprise Server Option for use with SAN shared storage

The SAN Shared Storage Option is now available as part of the Enterprise Server Option in Backup Exec 2012, Backup Exec 2014 & Backup Exec 15. All references to SSO on the HCL are now replaced with ESO due to the change. If you used the SAN Shared Storage Option in a previous version of Backup Exec, the SAN primary server will be upgraded to a Central Administration Server. SAN secondary servers will be upgraded to Managed Backup Exec Servers and will have the Managed Backup Exec Server option installed and the Unrestricted access to catalogs and backup sets for restore option selected.

The Enterprise Server Option (ESO) hardware support information is included with the Tape Library / Virtual Tape Library sections. Search by storage device vendor, then model, then look for a check [✔] in the ESO column for support.

For compatibility information on physical tape libraries with ESO, please refer to the Tape Libraries with Drives Section of this document.

For compatibility information on virtual tape libraries (VTLs) with ESO, please refer to the Virtual Tape Libraries with Drives Section of this document.

For compatibility information on storage area network (SAN) components with ESO, inlcuding fibre-channel and iSCSI components, please refer to the SAN Infrastructure components Section of this document.

Storage Provisioning Option

The Storage Provisioning Option (SPO) supported hardware configurations, including hardware and VDS provider, can be seen in the VDS Providers for Storage Provisioning Option section.

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Library Expansion Option

The Library Expansion Option (LEO) supported hardware configurations, including tape library and tape drive combinations, can be seen in the Tape Libraries with Drives section.

Virtual Tape Library Unlimited Drive Option

The Virtual Tape Library Unlimited Drive Option (VUDO) supported hardware configurations, including virtual tape library and virtual tape drive combinations, can be seen in the Virtual Tape Libraries with Drives section.

Often, a single VTL can be configured with a variable number of tape drives and tape libraries. VUDO allows for the variance in drives per physical VTL, not logical VTL. In other words, creating more than one logical VTL will require the need for multiple VUDO licenses.

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Backup Exec Appliance (BE 3600 R4)

Backup Exec Appliances are Symantec-branded devices offering a Backup Exec media server with built-in deduplication in an appliance form factor.

For more information, see the Backup Exec 3600 Appliance page: <http://www.symantec.com/business/backup-exec-3600-appliance>

Backup Exec 3600 R4 Appliance

Support Type	Notes
Internal Disk Storage	Configured as Backup Exec Media Server Deduplication appliance. The C drive contains operating system and Backup Exec program Files. The D drive contains the deduplication store.
External Disk Storage Support	Any Disk Target (B2D) device seen in the Disk Storage or Disk Cartridge sections with "Connectivity" of **USB** or **CIFS** are supported for use with the appliance.
External Tape Storage Support	Any tape device seen in the Tape Drives or Tape Libraries with Drives sections identified with a "Drive Interface" of **SAS** are supported for use with the appliance. Multi-drive SAS libraries can be supported with a multi-lane/fan-out SAS cable (sold separately from the hardware manufacturer).
OpenStorage Storage Servers (OST)	The Symantec NetBackup 50x0 appliance may be used as a target for backups, and optimized duplication. Optimized Duplication is best used in a LAN environment. Optimized Duplication over a WAN can have performance implications due to the current need to rehydrate the data across the WAN during a Verify. See the Veritas NBU appliance section for more details.
NDMP Support	Any NDMP platform seen in the NDMP Platforms section are supported for use with the appliance.

Backup Exec 3600 R4 Appliance - Supported Versions

Appliance version	Function	Backup Exec version
3.3.2221.0, BE3600 R4	"Drop in" Backup Exec Media Server with on-board disk	Based on Backup Exec 15

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Cloud Storage

Please see the "Best Practices for Using the Veritas Backup Exec Cloud Connector" at <http://www.veritas.com/docs/000108140>

Backup Exec supports Cloud-based storage providers using a variety of technology methods, described below.

1) S3 Storage - This method uses the Backup Exec "S3 Cloud Connector" (a plugin included with Backup Exec). This target appears in Backup Exec with a Storage Type of "Cloud Storage".

2) OST - This method uses a third-party Open Storage Technology plugin. This methods requires a Deduplication license in Backup Exec. This target appears in BE with a Storage Type of "OpenStorage".

3) Disk Targets - This method uses third-party hardware or software to make the cloud appear as a "regular" disk volume to Windows and Backup Exec. This target appears in Backup Exec with a Storage Type of "Disk storage".

4) VTL - This method uses third-party software to present the Cloud as if it was a VTL (Virtual Tape Library) to Windows and Backup Exec. A BE VUDO license is suggested. This target appears in Backup Exec with a Storage Type of "Robotic Library".

Cloud Providers and Technology Methods

Cloud Provider	Technology method
Amazon Simple Storage Service (S3) Standard	Backup Exec S3 Cloud connector
Amazon Simple Storage Service (S3) Standard	Riverbed Appliance
Amazon Simple Storage Service and Glacier	Amazon AWS VTL
Amazon Web Services	Amazon Gateway-Cached Volume
Private S3 Cloud Storage	Backup Exec S3 Cloud connector
Google Cloud Standard	Backup Exec S3 Cloud connector
Google Cloud Durable Reduced Availability (DRA)	Backup Exec S3 Cloud connector
Microsoft Azure	Riverbed Appliance
Quantum Q-Cloud Protect	Quantum-provided OST plugin

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S3 Storage

You can use the S3 Cloud Connector to back up data to a supported S3-compatible cloud storage.

The below section lists the S3-compatible cloud storage solutions that are currently supported by Backup Exec and the Feature Pack (FP) required for support.

Amazon

Cloud Storage Solution	Backup Exec Version Containing Plug-in	Windows Server 2008	Windows Server 2012	Supported Regions
Simple Storage Service (S3) Standard [1] [2] [3]	Backup Exec 15 FP2	✔	✔	US East (N. Virginia), US West (Oregon), US West (N. California), Europe (Ireland), Asia Pacific (Singapore), Asia Pacific (Tokyo), Asia Pacific (Sydney), South America (Sao Paulo), Asia Pacific (Seoul), Europe (Frankfurt) [4]

1. To configure this cloud storage for use with Backup Exec, see the following article <https://www.veritas.com/content/support/en_US/article.100038470>
2. To get started with AWS S3, go to the following link <http://aws.amazon.com/s3>
3. Amazon S3 Standard is supported. Amazon S3-IA and Amazon Glacier are NOT supported.
4. Support for the Seoul or Frankfurt regions requires FP4 (or higher). See <https://www.veritas.com/content/support/en_US/article.100019916>

Private S3 Cloud Storage

Cloud Storage Solution	Backup Exec Version Containing Plug-in	Windows Server 2008	Windows Server 2012	Supported Region
Cloudian HyperStore Object Storage	Backup Exec 15 FP5	✔	✔	On Premise

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Google

Cloud Storage Solution	Backup Exec Version Containing Plug-in	Windows Server 2008	Windows Server 2012	Supported Locations
Google Cloud Standard [1] [2] [3]	Backup Exec 15 FP2	✔	✔	Asia, European Union, United States
Google Cloud Durable Reduced Availability (DRA) [1] [2] [3]	Backup Exec 15 FP2	✔	✔	Asia, European Union, United States

1. To configure this cloud storage for use with Backup Exec, see the following article <https://www.veritas.com/content/support/en_US/article.100031532>

2. Google Cloud Nearline is NOT supported.

3. Regional locations are NOT supported. For example, US-East1, US-Central1, Europe-West1 and Asia-East1 are NOT supported.

OST

Backup Exec OpenStorage (OST) Cloud Storage plug-ins enable Veritas data protection applications to access Cloud Storage Solutions. Either the storage vendor or Veritas provides a software plug-in, which is installed on each Backup Exec server that is connected to the cloud solution. If you do not see OST support for your desired Cloud Storage Solution provider / Backup Exec Server OS platform, please contact that Storage Server appliance vendor to request OST support for that platform. Please see the Backup Exec System Administrator's Guide for more information on how to use OST.

Quantum

Cloud Storage Solution	Cloud API Version	Plug-in	Windows Server 2003	Windows Server 2008	Windows Server 2012
Q-Cloud Protect [1] [2] [3]	DXi Software 2.2.1	2.6	✔	✔	✔
Q-Cloud Protect [1] [2] [3]	DXi Software 2.3.2	2.9	✔	✔	✔
Q-Cloud Protect [1] [2] [3]	DXi Software 2.3.2	3.0	✔	✔	✔
Q-Cloud Protect [1] [2] [3]	DXi Software 3.1.1	3.1	✔	✔	✔
Q-Cloud Protect for AWS [1] [2] [3]	DXi Software 3.1.1	3.1	✔	✔	✔

1. For information on how to setup Q-Cloud Protect with Backup Exec, goto <http://www.quantum.com/serviceandsupport/softwareanddocumentationdownloads/index.aspx> select the appropriate DXi product, select the "Documentation" tab, in the best practices section select "DXi-Series and Best Practices Guide for Backup Exec from Symantec". Once you enter the appropriate serial number, search for Appendix A.

2. DXi server model DXi8500 (3TB) or DXi6802 is required to support Data-at-Rest encryption.

3. See the Quantum OST appliance section also

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Disk Targets

The disk target software versions listed in this section are the minimum software levels that are supported. Where more than one software level is listed, this implies a newer version has been tested. The earlier software version is the minumum version required.

Cloud storage providers will be individually certified for use with Backup Exec, therefore, additional Cloud providers will be added as they are certified.

Amazon Web Services

Storage Gateway	Release Date	Connectivity	Virtualization Platform
Gateway-Cached Volume [1] [2] [3]	16-Dec-2014	iSCSI	VMware ESXi Microsoft Hyper-V [4]

1. The Gateway-Cached Volume is offered as a service and therefore specific software versions are not available. Please refer to release dates: <http://aws.amazon.com/releasenotes/AWS-Storage-Gateway>

2. Backup Exec Simplified Disaster Recovery (SDR) is not supported.

3. See the Amazon Disk Targets section also

4. Please refer to AWS documentation for hypervisor and host requirements: <http://docs.aws.amazon.com/storagegateway/latest/userguide/Requirements.html>

Riverbed

Family	Family Members	Software Tested	Supported Cloud Providers	Connectivity	Basic B2D	GRT Tested
SteelStore Appliance [1] [2] [3]	WWA730, WWA2030, WWA3030	SteelStore OS 3.0.2, 3.1.2a	Amazon S3, Microsoft Azure	CIFS	✔	✔
SteelStore Virtual Appliance [1] [2] [3]	SteelStore Virtual 110, SteelStore Virtual 210, SteelStore Virtual 410, SteelStore Virtual 810, SteelStore Virtual 1610	SteelStore OS 3.1.1a, 3.1.2a	Amazon S3, Microsoft Azure	CIFS	✔	✔
Whitewater Appliance [1] [2] [3]	WWA510, WWA710, WWA2010, WWA3010	SteelStore OS 3.0.2, 3.1.2a	Amazon S3, Microsoft Azure	CIFS	✔	✔

1. Backup Exec Simplified Disaster Recovery (SDR) is not supported. Refer to the SteelStore docs for recovery instructions.

2. SteelStore Solution Guide: <http://media-cms.riverbed.com/documents/Solution+Guide+-+SteelStore+with+Backup+Exec+3.1.1.pdf>

3. See the Riverbed Disk Targets section also

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VTL

The Cloud Virtual Tape Library (VTL) device support information is listed below. Please Note:
1. Configure the virtual device with the unique inquiry string as listed in this document. Emulating other devices is not supported.
2. Tested iSCSI versions of virtual tape libraries are listed in the "iSCSI Solutions" section, under the "SAN Infrastructure components" bookmark. Please reference the limitations listed in that section.

Amazon Web Services

Storage Gateway	Release Date	Connectivity	Virtualization Platform	Library Inquiry Drive Inquiry
Gateway-Virtual Tape Library [1] [2] [3] [4] [5]	16-Dec-2014	iSCSI	VMware ESXi Microsoft Hyper-V AWS EC2 [6] [7]	AWS^^^^^Gateway-VTL IBM^^^^^ULT3580-TD5

1. Please read through the Best Practice guide for the Gateway-VTL before deployment: <https://www.veritas.com/content/support/en_US/article.100014745>

2. The Storage Gateway is offered as a service and therefore specific software versions are not available. Please refer to release dates: <http://aws.amazon.com/releasenotes/AWS-Storage-Gateway>

3. For the AWS Storage Gateway-VTL user guide, please refer to: <http://docs.aws.amazon.com/storagegateway/latest/userguide/gateway-vtl.html>

4. Backup Exec Simplified Disaster Recovery (SDR) is not supported.

5. See the Amazon iSCSI VTL section also

6. Please refer to AWS documentation for hypervisor and host requirements: <http://docs.aws.amazon.com/storagegateway/latest/userguide/Requirements.html>

7. For information on the AWS Storage Gateway in EC2 please refer to the following documentation: <https://aws.amazon.com/marketplace/pp/B00AZ4Q6MM>

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Disk Targets

For this basic support, any device recognized and supported by the Windows platform should work with Backup Exec. Mapped network drives are not supported. UNC paths are supported. The disk devices listed in these two sections have been tested with Backup Exec as a result of a formal joint business agreement and OEM relationship, **but are not intended to be a complete list of compatible devices.**

For "basic" disk storage capabilities, Backup Exec does not exclude or block recognition for disk devices. Basic disk storage devices can be seen in the Disk Storage and Disk Cartridge sections. This information is organized by vendor and provides information on the storage devices tested, the Inquiry Strings (if applicable), the type of interface, media type, and any special notes on a per device basis.

If the desired device is not already listed in this section, customers are encouraged to run the B2D test tool to verify their desired device's level of functionality. If Backup Exec is not already installed, the B2D test tool can be downloaded from <https://www.veritas.com/content/support/en_US/article.100020569> . Instructions for use are in that same technote. Backup Exec Technical Support will be unable to offer assistance if the device experiences failures during the B2Dtest and the customer should contact the hardware vendor for advice and assistance.

Devices running the Windows Unified Data Storage Server OS which provides iSCSI target functionality are supported per the Software Compatibility List. See <http://www.backupexec.com/compatibility> for supported operating system details.

Devices running the Windows Storage Server OS (sometimes referred to as a NAS) can be used as a Backup Exec Media Server if the operating system version is on the Software Compatibility List (SCL). Some examples are the Dell NX3200, the HPE StoreEasy series, and others. If the server meets the prerequisites for adding the Backup Exec Deduplication Option, then that server's local disks can be used for deduplication by that Backup Exec Media Server. See <http://www.backupexec.com/compatibility> for supported operating system details.
If the server vendor supports the server as an iSCSI target, then it can be supported for remote deduplication storage from other Backup Exec Media Servers. Refer to the HCL Disk Storage section for tested systems, but other systems would be supported also. Please see the deduplication best practices document at <http://www.veritas.com/docs/000068227>
A server running Windows Storage Server is NOT supported for OpenStorage (OST) target storage use, unless that server/appliance appears in the OST section of the HCL. A server running Windows Storage Server may be used with the Remote Agent for Windows Servers (RAWS) to send data to an OST appliance.

For more advanced disk capabilities, refer to the OST-Appliance section , VSS Providers for Offhost backup , and VDS Providers for Storage Provisioning Option sections. The presence of the disk device in these advanced sections is required for support.

Granular Restore Technology (GRT) support, per deduplication type

Deduplication type	GRT support method
Backup Exec Deduplication Disk Storage and BE 3600 appliance	Non-GRT and GRT backups are supported and no staging is needed for GRT restores.
Hardware based deduplication OpenStorage appliances	1. Non-GRT and GRT backup are supported but staging is needed at time of GRT restores. Backups will be faster and restores slower (due to staging). 2. Alternately if the device supports it then one can create B2D using CIFS share and then run backups. Backups will be slower but GRT restores will be faster.

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Granular Restore Technology (GRT) support, per deduplication type

Deduplication type	GRT support method
NBU50x0 appliance	Non-GRT and GRT backups are supported and no staging is needed for GRT restores.
Pure Disk appliance, also known as Classic Pure Disk	Non-GRT and GRT backups are supported and no staging is needed for GRT restores.

Disk Storage

Disk Device Legend

Value	Meaning
Connectivity	The method by which the device communicates with the Backup Exec server.
✔	Character used to denote successful completion of acceptance testing for the item listed in the column.
Basic B2D	Basic functionality of a device as it relates to being used as a Backup-to-Disk device (Disk Storage) in Backup Exec. Backup Exec's Granular Restore Technology (GRT) is not included in Basic B2D.
GRT Tested	Granular Restore Technology (GRT) has been validated specifically for this device. The presence of a checkmark ✔ in this column indicates that no staging is needed for GRT restores. The presence of an "S" in this column indicates that staging may be needed at time of GRT restores. This is typically exhibited with CIFS connectivity.
BEDedup	Backup Exec Deduplication is the native method for deduplication - enabled via an additional "Backup Exec Deduplication Option", and referred to as "Backup Exec Deduplication Disk Storage". Only Local disks may be used for deduplication storage. Removable interfaces like USB and FireWire are also not supported due to the perceived temporary connection method and issues that can arise from a device that is unsafely removed or appears on a different path. For Devices with a supported interface the absence of a check here does not signify that the device will not be supported, merely that deduplication tests have not been run in combination with this device. See comments above regarding, "not intended to be a complete list of compatible devices". The Backup Exec Deduplication Option is recommended for use on a dedicated / non-removable volume as the location to store the deduplication disk storage. For this reason, there are no dedup checkboxes in the Disk Cartridge device section. While possible, the usage of the "Backup Exec Deduplication Option" with USB, FireWire, and remote disks implies the customer is doing so at their own risk and without official Veritas support.

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Amazon	BlueArc	Buffalo
Dell EMC	Dell EMC Data Domain	Drobo
Exablox	ExaGrid	Fujitsu
Hewlett Packard Enterprise	Hitachi	IBM
Imation	Infortrend	LaCie
NEC	NETGEAR	Nexsan
Oracle	Overland Storage	QNAP
Quantum	Quest	Riverbed
Synology	Tandberg	

Amazon

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
AWS Gateway-Cached Volume [1]	iSCSI	✔	✔	AWS Gateway-Cached Volume	

1. This device includes Cloud features. Please see the Amazon Cloud Storage section for specifics.

BlueArc

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
Mercury series [1]	CIFS	✔	✔	Mercury 50, Mercury 100	

1. Supported with the BE 3600 R4 appliance.

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Buffalo

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
LinkStation 400 Series [1]	CIFS	✔	S	LinkStation 410, LinkStation 420, LinkStation 420s, LinkStation 421, LinkStation 441	
LinkStation Pro/DUO Series [1]	CIFS	✔	S	LinkStation Pro DUO Enclosure, LS-WVL, LS-WXL	
Quad - HD-QLSU2R5	eSATA	✔	✔	Quad - HD-QLSU2R5	✔
TeraStation 3000 [1]	CIFS	✔	S	TeraStation 3400, TeraStation 3400r Rackmount	
TeraStation 3000	iSCSI	✔	✔	TeraStation 3400, TeraStation 3400r Rackmount	✔
TeraStation 5000 [1]	CIFS	✔	S	TeraStation 5200, TeraStation 5400, TeraStation 5400r Rackmount, TeraStation 5600, TeraStation 5800	
TeraStation 5000	iSCSI	✔	✔	TeraStation 5200, TeraStation 5400, TeraStation 5400r Rackmount, TeraStation 5600, TeraStation 5800	✔
TeraStation 7000 [1]	CIFS	✔	S	TeraStation 7120r, TeraStation 7120r Enterprise	
TeraStation 7000	iSCSI	✔	✔	TeraStation 7120r, TeraStation 7120r Enterprise	✔
TeraStation III [1]	CIFS	✔	S	TS-RXL/R5, TS-XL/R5	
TeraStation III iSCSI	iSCSI	✔	✔	TS-IXL/R5, TS-RIXL/R5	✔
TeraStation Pro [1]	CIFS	✔	S	TeraStation Pro	

1. Supported with the BE 3600 R4 appliance.

Dell EMC

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
Compellent FS8600 [1]	CIFS	✔	S	Compellent FS8600	
Compellent Storage Center 5	Fibre Channel	✔	✔	Compellent Storage Center 5.2, Compellent Storage Center 5.3, Compellent Storage Center 5.4	✔
Compellent Storage Center 5	iSCSI	✔	✔	Compellent Storage Center 5.2, Compellent Storage Center 5.3, Compellent Storage Center 5.4	✔

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Dell EMC

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
DL3D series [1]	CIFS	✔	S	DL1500, DL3000	
DR Series [1]	CIFS	✔	S	DR4000, DR4100, DR6000	
EqualLogic FS7500 [1]	CIFS	✔	S	EqualLogic FS7500	
EqualLogic FS7600 [1]	CIFS	✔	S	EqualLogic FS7600	
EqualLogic FS7610 [1]	CIFS	✔	S	EqualLogic FS7610	
EqualLogic PS3000 series	iSCSI	✔	✔	EqualLogic PS3000E, EqualLogic PS3000X, EqualLogic PS3000XV	✔
EqualLogic PS4000 series	iSCSI	✔	✔	EqualLogic PS4000E, EqualLogic PS4000X, EqualLogic PS4000XV, EqualLogic PS4100E, EqualLogic PS4100X, EqualLogic PS4100XV, EqualLogic PS4100XV3.5"	✔
EqualLogic PS5000 series	iSCSI	✔	✔	EqualLogic PS5000E, EqualLogic PS5000X, EqualLogic PS5000XV, EqualLogic PS5500E	✔
EqualLogic PS6000 series	iSCSI	✔	✔	EqualLogic PS6000E, EqualLogic PS6000S, EqualLogic PS6000X, EqualLogic PS6000XV, EqualLogic PS6000XVS, EqualLogic PS6010E, EqualLogic PS6010S, EqualLogic PS6010X, EqualLogic PS6010XV, EqualLogic PS6010XVS, EqualLogic PS6100E, EqualLogic PS6100X, EqualLogic PS6100XV, EqualLogic PS6100XV3.5", EqualLogic PS6500E, EqualLogic PS6500X, EqualLogic PS6500XV, EqualLogic PS6510E, EqualLogic PS6510X, EqualLogic PS6600, EqualLogic PX6100S, EqualLogic PX6100XS	✔
Iomega StorCenter ix series network storage [1]	CIFS	✔	✔	Iomega StorCenter ix2-200, Iomega StorCenter ix4-200d, Iomega StorCenter ix12-300r, Iomega StorCenter Pro ix4-200r	
Iomega StorCenter px series network storage	iSCSI	✔	✔	Iomega StorCenter px4-300d, Iomega StorCenter px4-300r, Iomega StorCenter px6-300d, Iomega StorCenter px12-350r	✔
PowerVault DL2000	SAS	✔	✔	PowerVault DL2000	✔
PowerVault DL2100	SAS	✔	✔	PowerVault DL2100	✔
PowerVault DL2200	SAS	✔	✔	PowerVault DL2200	✔
PowerVault MD30xx Series	iSCSI	✔	✔	PowerVault MD3000, PowerVault MD3000i	✔

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Dell EMC

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
PowerVault MD30xx Series	SAS	✔	✔	PowerVault MD3000, PowerVault MD3000i	✔
PowerVault MD1000	SAS	✔	✔	PowerVault MD1000	✔
PowerVault MD1200	SAS	✔	✔	PowerVault MD1200	✔
PowerVault NX3500 [1]	CIFS	✔	S	PowerVault NX3500	
PowerVault NX3600 [1]	CIFS	✔	S	PowerVault NX3600	
PowerVault NX3610 [1]	CIFS	✔	S	PowerVault NX3610	
VNX2e series [1]	CIFS	✔	✔	VNXe1600, VNXe3200	

1. Supported with the BE 3600 R4 appliance.

Dell EMC Data Domain

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
Appliance series [1]	CIFS	✔	S	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800	
Virtual Edition (Hyper-V) [1]	CIFS	✔	S	Virtual Edition (Hyper-V)	
Virtual Edition (VMware) [1]	CIFS	✔	S	Virtual Edition (VMware)	

1. Supported with the BE 3600 R4 appliance.

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Drobo

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
5N [1]	CIFS	✔	S	5N	
B800i	iSCSI	✔	✔	B800i	✔
B810i	iSCSI	✔	✔	B810i	✔
B810n [1]	CIFS	✔	S	B810n	
B1200i	iSCSI	✔	✔	B1200i	✔
Drobo [1]	USB	✔	✔	Drobo	
DroboElite	iSCSI	✔	✔	DroboElite	✔
DroboElite [1]	USB	✔	✔	DroboElite	
DroboPro	iSCSI	✔	✔	DroboPro	✔
DroboPro [1]	USB	✔	✔	DroboPro	

1. Supported with the BE 3600 R4 appliance.

Exablox

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
OneBlox [1]	CIFS	✔	✔	OneBlox	

1. Supported with the BE 3600 R4 appliance.

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ExaGrid

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
EX series [1]	CIFS	✔	S	EX1000, EX2000, EX3000, EX4000, EX5000, EX7000, EX7000-SEC, EX10000E, EX10000E-SEC, EX13000E, EX13000E-SEC, EX21000E, EX21000E-SEC, EX32000E, EX32000E-SEC, EX40000E, EX40000E-SEC, EX63000E, EX63000E-SEC	

1. Supported with the BE 3600 R4 appliance.

Fujitsu

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
ETERNUS DX100/DX200 series [1]	CIFS	✔	S	ETERNUS AF150 S3, ETERNUS AF250 S2, ETERNUS AF250 S3, ETERNUS DX60 S3, ETERNUS DX60 S5, ETERNUS DX100 S3, ETERNUS DX100 S5, ETERNUS DX200 S3, ETERNUS DX200 S5	
ETERNUS DX500/DX600 series [1]	CIFS	✔	S	ETERNUS AF650 S2, ETERNUS AF650 S3, ETERNUS DX500 S3, ETERNUS DX500 S4, ETERNUS DX500 S5, ETERNUS DX600 S3, ETERNUS DX600 S4, ETERNUS DX600 S5	

1. Supported with the BE 3600 R4 appliance.

Hewlett Packard Enterprise

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
D2D4xxx iSCSI series	iSCSI	✔	✔	D2D4106i Backup System	✔
D2D4xxx series [1]	CIFS	✔	✔	D2D4004fc Backup System, D2D4104fc Backup System, D2D4106fc Backup System, D2D4112 Backup System, D2D4312 Backup System, D2D4324 Backup System	✔
D2D25xx series [1]	CIFS	✔	S	D2D2502i Backup System, D2D2503i Backup System, D2D2504i Backup System	
D2D4100 G2 Backup System [1]	CIFS	✔	S	D2D4106fc G2 Backup System, D2D4106i G2 Backup System, D2D4112 G2 Backup System	
EVA4400/6400/8400 series	Fibre Channel	✔	✔	EVA4400, EVA6400, EVA8400	✔

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Hewlett Packard Enterprise

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
P2000 G3 MSA series	Fibre Channel	✔	✔	P2000 G3 FC, P2000 G3 FC/iSCSI, P2000 G3 iSCSI, P2000 G3 SAS	✔
P2000 G3 MSA series	iSCSI	✔	✔	P2000 G3 FC, P2000 G3 FC/iSCSI, P2000 G3 iSCSI, P2000 G3 SAS	✔
P2000 G3 MSA series	SAS	✔	✔	P2000 G3 FC, P2000 G3 FC/iSCSI, P2000 G3 iSCSI, P2000 G3 SAS	✔
StoreEasy 1000 series [1]	CIFS	✔	S	StoreEasy 1430, StoreEasy 1440, StoreEasy 1450, StoreEasy 1530, StoreEasy 1540, StoreEasy 1550, StoreEasy 1630, StoreEasy 1640, StoreEasy 1650, StoreEasy 1830, StoreEasy 1840, StoreEasy 1850	
StoreEasy 1000 series	iSCSI	✔	✔	StoreEasy 1430, StoreEasy 1440, StoreEasy 1450, StoreEasy 1530, StoreEasy 1540, StoreEasy 1550, StoreEasy 1630, StoreEasy 1640, StoreEasy 1650, StoreEasy 1830, StoreEasy 1840, StoreEasy 1850	✔
StoreEasy 3000 Gateway Blade series [1]	CIFS	✔	S	StoreEasy 3850 Gateway Storage Blade, StoreEasy 3850 WSS2016 Gateway Storage Blade	
StoreEasy 3000 Gateway Blade series	iSCSI	✔	✔	StoreEasy 3850 Gateway Storage Blade, StoreEasy 3850 WSS2016 Gateway Storage Blade	✔
StoreEasy 3000 Gateway series [1]	CIFS	✔	S	StoreEasy 3830 Gateway, StoreEasy 3840 Gateway	
StoreEasy 3000 Gateway series	iSCSI	✔	✔	StoreEasy 3830 Gateway, StoreEasy 3840 Gateway	✔
StoreEasy 5000 series [1]	CIFS	✔	S	StoreEasy 5530	
StoreEasy 5000 series	iSCSI	✔	✔	StoreEasy 5530	✔
StoreOnce 2000 series [1]	CIFS	✔	S	StoreOnce 2610, StoreOnce 2620, StoreOnce 2700, StoreOnce 2900	
StoreOnce 3000 series [1]	CIFS	✔	S	StoreOnce 3100	
StoreOnce 3500/3600 series [1]	CIFS	✔	S	StoreOnce 3520, StoreOnce 3540, StoreOnce 3620, StoreOnce 3640	
StoreOnce 4000 series [1]	CIFS	✔	S	StoreOnce 4210fc, StoreOnce 4210i, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700, StoreOnce 4900	
StoreOnce 5000 series [1]	CIFS	✔	S	StoreOnce 5100, StoreOnce 5200, StoreOnce 5250, StoreOnce 5500, StoreOnce 5650	
StoreOnce 6000 series [1]	CIFS	✔	S	StoreOnce 6500, StoreOnce 6600, StoreOnce B6200	
StoreOnce VSA (Hyper-V) [1] [2]	CIFS	✔	S	StoreOnce VSA (Hyper-V)	
StoreOnce VSA (VMware) [1] [2]	CIFS	✔	S	StoreOnce VSA (VMware)	

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1. Supported with the BE 3600 R4 appliance.

2. StoreOnce VSA is a virtual appliance. For device details and platform support refer to: <https://www.hpe.com/h20195/v2/GetDocument.aspx?docname=c04328820>

Hitachi

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
Capacity Optimization (HCO) [1] [2]	CIFS	✔	S	HCO 210, HCO 230	
Data Ingestor (HDI) [2]	CIFS	✔	S	Data Ingestor (HDI)	
NAS Platform, 4000 and 3000 Series [2]	CIFS	✔	✔	HNAS 3080 (M1), HNAS 3090 (M2), HNAS 4040, HNAS 4060, HNAS 4080, HNAS 4100	
NAS Platform F1000 (HNAS F1000) [2]	CIFS	✔	S	HNAS F1120, HNAS F1140	
SMS/AMS2000 series	Fibre Channel	✔	✔	AMS2100, AMS2300, AMS2500, SMS100	✔
Virtual File Platform (VFP) [2]	CIFS	✔	S	VFP 50, VFP 70, VFP 80, VFP 100N, VFP 110, VFP 200N, VFP 300N, VFP 500N, VFP 600N, VFP 2010, VFP 2100, VFP 2300	

1. GRT is not recommended when the microcode version of HCO is 2.1

2. Supported with the BE 3600 R4 appliance.

IBM

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
System Storage TS7600 series with ProtecTIER [1]	CIFS	✔	S	System Storage TS7620, System Storage TS7650AP1, System Storage TS7650G	

1. Supported with the BE 3600 R4 appliance.

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Imation

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
DataGuard Appliances [1]	CIFS	✔	S	R4, T5R	
DataGuard Appliances	iSCSI	✔	✔	R4, T5R	✔
Nexsan E-Series Systems	Fibre Channel	✔	✔	Nexsan E18, Nexsan E48, Nexsan E60	✔
Nexsan E-Series Systems	iSCSI	✔	✔	Nexsan E18, Nexsan E48, Nexsan E60	✔
Nexsan E-Series V Systems	Fibre Channel	✔	✔	Nexsan E18V System, Nexsan E32V System, Nexsan E48V System, Nexsan E60V System	✔
Nexsan E-Series V Systems	iSCSI	✔	✔	Nexsan E18V System, Nexsan E32V System, Nexsan E48V System, Nexsan E60V System	✔
Nexsan NST5000 [1]	CIFS	✔	S	Nexsan NST5000	
Nexsan NST5000	iSCSI	✔	✔	Nexsan NST5000	✔
Nexsan NST6000 [1]	CIFS	✔	S	Nexsan NST6000	
Nexsan NST6000	iSCSI	✔	✔	Nexsan NST6000	✔

1. Supported with the BE 3600 R4 appliance.

Infortrend

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
EonNAS 3000 series [1]	CIFS	✔	S	EonNAS 3000 series	
EonStor DS FC series	Fibre Channel	✔	✔	EonStor DS FC series	✔
EonStor DS iSCSI series	iSCSI	✔	✔	EonStor DS iSCSI series	✔

1. Supported with the BE 3600 R4 appliance.

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LaCie

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
5big Storage Server	iSCSI	✔	✔	5big Storage Server	✔
12big Rack Network	iSCSI	✔	✔	12big Rack Network	✔
12big Rack Network [1]	USB	✔	✔	12big Rack Network	

1. Supported with the BE 3600 R4 appliance.

NEC

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	CIFS	✔	S	HYDRAstor HS3-210, HYDRAstor HS8-2002S, HYDRAstor HS8-2004R, HYDRAstor HS8-2004S, HYDRAstor HS8-2010R, HYDRAstor HS8-2020R, HYDRAstor HS8-2110R, iStorage HS3-20T, iStorage HS8-20R, iStorage HS8-20S	
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	CIFS	✔	S	HYDRAstor HS3-310, HYDRAstor HS8-3002S, HYDRAstor HS8-3004R, HYDRAstor HS8-3004S, HYDRAstor HS8-3010R, HYDRAstor HS8-3020R, HYDRAstor HS8-3110R, iStorage HS3-30T, iStorage HS3-30T2, iStorage HS8-30R, iStorage HS8-30S, NEC Storage HS3-30	
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	CIFS	✔	S	HYDRAstor HS3-410, HYDRAstor HS8-4001S, HYDRAstor HS8-4002S, HYDRAstor HS8-4006R, HYDRAstor HS8-4165, iStorage HS3-40, iStorage HS8-40, NEC Storage HS3-40, NEC Storage HS8-40	

1. Supported with the BE 3600 R4 appliance.

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NETGEAR

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
NV+ [1]	CIFS	✔	✔	NV+	
ReadyNAS 100 Series [1]	CIFS	✔	S	ReadyNAS 102, ReadyNAS 104	
ReadyNAS 100 Series	iSCSI	✔	✔	ReadyNAS 102, ReadyNAS 104	✔
ReadyNAS 300 Series [1]	CIFS	✔	S	ReadyNAS 312, ReadyNAS 314, ReadyNAS 316	
ReadyNAS 300 Series	iSCSI	✔	✔	ReadyNAS 312, ReadyNAS 314, ReadyNAS 316	✔
ReadyNAS 500 Series [1]	CIFS	✔	S	ReadyNAS 516	
ReadyNAS 500 Series	iSCSI	✔	✔	ReadyNAS 516	✔
ReadyNAS 700 Series [1]	CIFS	✔	S	ReadyNAS 716	
ReadyNAS 700 Series	iSCSI	✔	✔	ReadyNAS 716	✔
ReadyNAS 1100 [1]	CIFS	✔	S	ReadyNAS 1100	
ReadyNAS 2000 Series [1]	CIFS	✔	S	ReadyNAS 2120	
ReadyNAS 2000 Series	iSCSI	✔	✔	ReadyNAS 2120	✔
ReadyNAS 2100 [1]	CIFS	✔	S	ReadyNAS 2100	
ReadyNAS 2100	iSCSI	✔	✔	ReadyNAS 2100	✔
ReadyNAS 3000 Series [1]	CIFS	✔	S	ReadyNAS 3220	
ReadyNAS 3000 Series	iSCSI	✔	✔	ReadyNAS 3220	✔
ReadyNAS 3100 [1]	CIFS	✔	S	ReadyNAS 3100	
ReadyNAS 3100	iSCSI	✔	✔	ReadyNAS 3100	✔
ReadyNAS 3200 [1]	CIFS	✔	S	ReadyNAS 3200	
ReadyNAS 3200	iSCSI	✔	✔	ReadyNAS 3200	✔
ReadyNAS 4000 Series [1]	CIFS	✔	S	ReadyNAS 4220	
ReadyNAS 4000 Series	iSCSI	✔	✔	ReadyNAS 4220	✔
ReadyNAS 4200 [1]	CIFS	✔	S	ReadyNAS 4200	
ReadyNAS 4200	iSCSI	✔	✔	ReadyNAS 4200	✔
ReadyNAS NVX [1]	CIFS	✔	S	ReadyNAS NVX	

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NETGEAR

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
ReadyNAS NVX	iSCSI	✔	✔	ReadyNAS NVX	✔
ReadyNAS Pro [1]	CIFS	✔	S	ReadyNAS Pro	
ReadyNAS Pro	iSCSI	✔	✔	ReadyNAS Pro	✔

1. Supported with the BE 3600 R4 appliance.

Nexsan

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
Beast Systems	Fibre Channel	✔	✔	SASBeast, SATABeast, SATABeast2	✔
Beast Systems	iSCSI	✔	✔	SASBeast, SATABeast, SATABeast2	✔
Boy Systems	Fibre Channel	✔	✔	SASBoy, SATABoy2	✔
Boy Systems	iSCSI	✔	✔	SASBoy, SATABoy2	✔
SATABoy	Fibre Channel	✔	✔	SATABoy	✔
SATABoy	iSCSI	✔	✔	SATABoy	✔

Oracle

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
ZFS Storage Appliance series [1]	CIFS	✔	S	ZFS Storage 7110, ZFS Storage 7120, ZFS Storage 7210, ZFS Storage 7310, ZFS Storage 7320, ZFS Storage 7410, ZFS Storage 7420, ZFS Storage ZS3-2, ZFS Storage ZS3-4, ZFS Storage ZS4-4, ZFS Storage ZS5-2, ZFS Storage ZS5-4	

1. Supported with the BE 3600 R4 appliance.

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Overland Storage

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
SnapServer DX [1]	CIFS	✔	S	SnapServer DX1, SnapServer DX2, SnapServer XSD 40, SnapServer XSR 40, SnapServer XSR 120	
SnapServer DX	iSCSI	✔	✔	SnapServer DX1, SnapServer DX2, SnapServer XSD 40, SnapServer XSR 40, SnapServer XSR 120	✔

1. Supported with the BE 3600 R4 appliance.

QNAP

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
Business NAS series [1]	CIFS	✔	S	TS-809 series, TS-x39 series, TS-x59 series, TS-x69 series, TS-x79 series	
Business NAS series	iSCSI	✔	✔	TS-809 series, TS-x39 series, TS-x59 series, TS-x69 series, TS-x79 series	✔

1. Supported with the BE 3600 R4 appliance.

Quantum

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
DXi2500-D [1]	CIFS	✔	S	DXi2500-D	
DXi3500 [1]	CIFS	✔	S	DXi3500	
DXi4000 Series [2]	CIFS	✔	S	DXi4510, DXi4520, DXi4601	
DXi4700 Series [2]	CIFS	✔	S	DXi4701	
DXi5500 [2]	CIFS	✔	S	DXi5500	
DXi6000 Series [2]	CIFS	✔	S	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	
DXi6700 Series [2]	CIFS	✔	S	DXi6700, DXi6701, DXi6702	
DXi6800 Series [2]	CIFS	✔	S	DXi6802	
DXi6900 Series [2]	CIFS	✔	S	DXi6900, DXi6900-S	

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Quantum

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
DXi7500 Series [2]	CIFS	✔	S	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	
DXi8500 Series [2]	CIFS	✔	S	DXi8500, DXi8500 2TB, DXi8500 3TB	
DXi V Series [2] [3]	CIFS	✔	S	DXi V1000, DXi V2000, DXi V4000	

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. Supported with the BE 3600 R4 appliance.

3. This device is a virtual appliance. Representative VMware-supported ESX4, ESXi4, or ESXi5 servers/storage were tested. Refer to <http://downloads.quantum.com/dxiv1000/6-67611-01_DXi_V1000_QuickStartGuide_RevA.pdf>

Quest

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
DR 11g Series [1]	CIFS	✔	S	DR4000	
DR 12g Series [1]	CIFS	✔	S	DR4100, DR6000	
DR 13g Series [1]	CIFS	✔	S	DR4300, DR4300e, DR6300	

1. Supported with the BE 3600 R4 appliance.

Riverbed

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
SteelStore Series [1] [2] [3] [4]	CIFS	✔	✔	SteelStore 730, SteelStore 2030, SteelStore 3030	
SteelStore Virtual Appliance [1] [2] [3] [4]	CIFS	✔	✔	SteelStore Virtual 110, SteelStore Virtual 210, SteelStore Virtual 410, SteelStore Virtual 810, SteelStore Virtual 1610	
WhiteWater Series [1] [2] [3] [4]	CIFS	✔	✔	WhiteWater 510, WhiteWater 710, WhiteWater 2010, WhiteWater 3010	

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1. Backup Exec Simplified Disaster Recovery (SDR) is not supported. Refer to the SteelStore docs for recovery instructions.

2. SteelStore Solution Guide: <http://media-cms.riverbed.com/documents/Solution+Guide+-+SteelStore+with+Backup+Exec+3.1.1.pdf>

3. This device includes Cloud features. Please see the Riverbed Cloud Storage section for specifics.

4. Supported with the BE 3600 R4 appliance.

Synology

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
Home to Business Workgroup Value [1]	CIFS	✔	S	DS114, DS116, DS214, DS214play, DS216, DS216play, DS414, DS415play, DS715, DS1515, RS214, RS814	
Home to Business Workgroup Value	iSCSI	✔	✔	DS114, DS116, DS214, DS214play, DS216, DS216play, DS414, DS415play, DS715, DS1515, RS214, RS814	✔
Home to Small Office J [1]	CIFS	✔	S	DS115j, DS213air, DS213j, DS214se, DS216j, DS216se, DS414j, DS414slim, DS416j, DS416slim, DS715	
Home to Small Office J	iSCSI	✔	✔	DS115j, DS213air, DS213j, DS214se, DS216j, DS216se, DS414j, DS414slim, DS416j, DS416slim, DS715	✔
Large Scale Business XS/XS+ [1]	CIFS	✔	S	DS365xs, DS2015xs, DS3612xs, RC18015xs+, RS3412RPxs, RS3412xs, RS3413xs+, RS3614RPxs, RS3614xs, RS3614xs+, RS10613xs+, RS18016xs+	
Large Scale Business XS/XS+	iSCSI	✔	✔	DS365xs, DS2015xs, DS3612xs, RC18015xs+, RS3412RPxs, RS3412xs, RS3413xs+, RS3614RPxs, RS3614xs, RS3614xs+, RS10613xs+, RS18016xs+	✔
Small and Medium Business Plus [1]	CIFS	✔	S	DS112+, DS213+, DS214+, DS215+, DS216+, DS216+II, DS412+, DS415+, DS713+, DS716+, DS716+II, DS916+, DS1513+, DS1515+, DS1813+, DS1815+, DS2413+, DS2415+, RS812+, RS812RP+, RS814, RS814+, RS814RP+, RS2414+, RS2414RP+, RS2416+, RS2416RP+, RS2418+, RS2418RP+	
Small and Medium Business Plus	iSCSI	✔	✔	DS112+, DS213+, DS214+, DS215+, DS216+, DS216+II, DS412+, DS415+, DS713+, DS716+, DS716+II, DS916+, DS1513+, DS1515+, DS1813+, DS1815+, DS2413+, DS2415+, RS812+, RS812RP+, RS814, RS814+, RS814RP+, RS2414+, RS2414RP+, RS2416+, RS2416RP+, RS2418+, RS2418RP+	✔

1. Supported with the BE 3600 R4 appliance.

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Tandberg

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
BizNAS D400/R400 [1]	CIFS	✔	S	BizNAS D400, BizNAS D408, BizNAS R400, BizNAS R408	
BizNAS D400/R400	iSCSI	✔	✔	BizNAS D400, BizNAS D408, BizNAS R400, BizNAS R408	✔
DPS2000 Series NAS [1]	CIFS	✔	S	DPS2040, DPS2140, DPS2142	

1. Supported with the BE 3600 R4 appliance.

Disk Cartridge

Note: Granular Restore Technology (GRT) is not supported on disk cartridge devices if the backup spans media.

Note: USB 3.0 devices are supported (when available from the vendor).

Note: To view the disk inquiry string: Open Computer Management, Go to Device Manager | Disk drives, Double click on the RDX drive, Click on the Details tab, For the Property drop-down, select ‘Hardware Ids’, View the inquiry string in the Value section

Disk Device Legend

Value	Meaning
^	Character used to denote a space in the INQUIRY STRING.
✔	Character used to denote support for the item listed in the column.
WinBES	The listed device is supported directly attached to a Windows Backup Exec Server platform. See the SCL (<http://www.backupexec.com/compatibility>) for supported Windows Server Operating System platforms.

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actidata

Device	Inquiry String	Drive Interface	Media	WinBES
actiDisk RDX	IMATION^RDX	SATA	disk	✔
actiDisk RDX [1]	IMATION^RDX	USB	disk	✔

1. Supported with the BE 3600 R4 appliance.

BDT

Device	Inquiry String	Drive Interface	Media	WinBES
RDStor	BDT^^^^^RDX	iSCSI	disk	✔

Dell EMC

Device	Inquiry String	Drive Interface	Media	WinBES
RD1000 [1]	Dell^^^^RD1000	SATA	disk	✔
RD1000 [1] [2]	Dell^^^^RD1000	USB	disk	✔

1. See TechNote <http://www.veritas.com/docs/000034134> for limitations.
2. Supported with the BE 3600 R4 appliance.

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Hewlett Packard Enterprise

Device	Inquiry String	Drive Interface	Media	WinBES
RDX [1] [2] [3]	HP^^^^^^RDX	USB	disk	✔

1. Requires the use of the HPE RDX utility from <http://www.hp.com/support/rdx> for proper eject functionality.
2. See TechNote <http://www.veritas.com/docs/000034134> for limitations.
3. Supported with the BE 3600 R4 appliance.

IBM

Device	Inquiry String	Drive Interface	Media	WinBES
GoVault [1]	IBM^^^^^GoVault	SATA	disk	✔
RDX [2]	IBM^^^^^RDX	USB	disk	✔

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .
2. Supported with the BE 3600 R4 appliance.

Imation

Device	Inquiry String	Drive Interface	Media	WinBES
LR1100 RDX 1U Storage Enclosure [1]	IMATION^RDX-USB3	USB	disk	✔
RDX A8	IMATION^RDX^A8	iSCSI	disk	✔
RDX Removable HDD System	IMATION^RDX	SATA	disk	✔
RDX Removable HDD System [1]	IMATION^RDX	USB	disk	✔
RDX USB 3.0 [1]	IMATION^RDX-USB3	USB	disk	✔

1. Supported with the BE 3600 R4 appliance.

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Lenovo

Device	Inquiry String	Drive Interface	Media	WinBES
Internal USB RDX [1]	LENOVO^^RDX	USB	disk	✔

1. Supported with the BE 3600 R4 appliance.

ProStor

Device	Inquiry String	Drive Interface	Media	WinBES
RDX	ProStor^RDX	SATA	disk	✔

Quantum

Device	Inquiry String	Drive Interface	Media	WinBES
GoVault [1]	QUANTUM^GoVault	SATA	disk	✔
GoVault [1] [2]	QUANTUM^GoVault	USB	disk	✔
QR1201 [1] [2]	QUANTUM^GoVault	USB	disk	✔
RDX [2]	QUANTUM^RDX	USB	disk	✔
RDX 8000	QUANTUM^RDX8000	iSCSI	disk	✔
RDX USB 3.0 [2]	QUANTUM^RDX-USB3	USB	disk	✔

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. Supported with the BE 3600 R4 appliance.

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Tandberg

Device	Inquiry String	Drive Interface	Media	WinBES
RDX [1]	TANDBERGRDX	SATA	disk	✔
RDX [1] [2]	TANDBERGRDX	USB	disk	✔
RDX QuikStation	VRDX^^^^RMVBL_VDISK	iSCSI	disk	✔
RDX QuikStation 4	VRDX^^^^RMVBL_VDISK	iSCSI	disk	✔
RDX QuikStation 8	VRDX^^^^RMVBL_VDISK	iSCSI	disk	✔
RDX QuikStor External USB3+ [2]	TANDBERGRDX	USB	disk	✔

1. See TechNote <http://www.veritas.com/docs/000034134> for limitations.

2. Supported with the BE 3600 R4 appliance.

OST-Appliance

OpenStorage Servers are intelligent storage devices that interface to Backup Exec Servers and Remote Agents for Windows (with Direct Access) via the Veritas OpenStorage (OST) API. The vendor supplying the Storage Server appliance provides a software Plug-in, which is installed on each Backup Exec Server and Remote Agent for Windows (with Direct Access) that is attached to the OpenStorage Server.

OST functionality is available on supported Windows Backup Exec 15 Backup Exec Server and Remote Agent for Windows platforms.

Please see the Backup Exec System Administrator's Guide for more information on how to use OST.

Attention: OpenStorage (OST) appliance users: Backup Exec 15 may require a new OST plug-in from your appliance vendor.
Please contact your vendor for access to this new plug-in. If needed, the required Backup Exec 15 plug-in details will be listed as a footnote in the "Storage Server Family" column, per vendor.

In the tables below, "Basic Duplication" refers to server-side or client-side deduplication.

Where support is shown for Windows Server 2003, Windows Server 2008, or Windows Server 2012 please reference the Software Compatibility List (<http://www.backupexec.com/compatibility>) for supported operating system versions.

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Dell EMC

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DR Series [1] [2] [3]	DR4000, DR4100, DR6000	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DR Series [1] [2] [3]	DR4000, DR4100, DR6000	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DR Series [1] [2]	DR4000, DR4100, DR6000	3.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

1. Dell EMC has separated/sold the DR appliance division into Quest. Customers should migrate to running newer Quest branded software on the appliance and using the Quest branded plugin. Download Quest stuff from <https://support.quest.com/download-product-select>

2. Please see the Quest section for new devices and newer software versions.

3. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

Dell EMC Data Domain

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
Appliance series [1] [2]	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800	2.6	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
Appliance series [1]	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
Appliance series [1]	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800	3.1	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication

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Dell EMC Data Domain

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
Appliance series [1]	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800	3.2	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
Virtual Edition (VMware)	Virtual Edition (VMware)	3.1	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
Virtual Edition (VMware)	Virtual Edition (VMware)	3.2	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication

1. See the Backup Exec sections in the DataDomain OST Admin guide for installation and configuration details. (Data Domain Support account and access to the 2.x plug-in release required)

2. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

ExaGrid

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
EX series [1] [2] [3]	EX1000, EX2000, EX3000, EX4000, EX5000, EX7000, EX7000-SEC, EX10000E, EX10000E-SEC, EX13000E, EX13000E-SEC, EX21000E, EX21000E-SEC, EX32000E, EX32000E-SEC, EX40000E, EX40000E-SEC, EX63000E, EX63000E-SEC	V11.4.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

1. Browse to the Help->Online Library in the ExaGrid administrative interface and view/download Using Symantec Backup Exec™ with an ExaGrid System.

2. ExaGrid OS version 4.6.4 P12 (or higher) is required.

3. For more information, see here: <http://www.exagrid.com/backup_applications/Symantec_VERITAS_Backup_Exec.asp>

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FalconStor

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
FDS series [1] [2] [3]	FDS 100, FDS 300, FDS 600	2.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

1. FDS Server version 2.10 (or newer) is required for usage with BE 15.

2. Please contact FalconStor for procedure and requirements for large chunk size (block size) support. The block size used for the FDS must match the selected "data stream chunk size" in the Advanced Property section for the OST storage device.

3. The OpenStorage plug-in can be obtained through Falconstor Professional Services.

Fujitsu

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
ETERNUS CS800 S3 [1] [2] [3]	ETERNUS CS800 S3	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S4 [1] [2] [3]	ETERNUS CS800 S4	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S4 [1] [2]	ETERNUS CS800 S4	3.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S4 [1] [2]	ETERNUS CS800 S4	3.1	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S5 [1] [2] [3]	ETERNUS CS800 S5	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S5 [1] [2]	ETERNUS CS800 S5	3.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S5 [1] [2]	ETERNUS CS800 S5	3.1	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S6 [1] [2]	ETERNUS CS800 S6	3.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication

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Fujitsu

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
ETERNUS CS800 S6 [1] [2]	ETERNUS CS800 S6	3.1	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication

1. For more information, see <http://support.ts.fujitsu.com/Download/> Then, fill in the following values in the "Driver and Downloads" section: select "Storage solutions", then select "ETERNUS CS/CentricStor", then select "ETERNUS CS800"

2. Plug-in version 3.0 (or higher) is required for NEW Backup Exec 15 installations. Older (supported) versions of the plugin are acceptable when Backup Exec is upgraded in-place to Backup Exec 15.

3. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

Hewlett Packard Enterprise

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
StoreOnce 2000 series [1]	StoreOnce 2610, StoreOnce 2620, StoreOnce 2700, StoreOnce 2900	2.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 2000 series [1]	StoreOnce 2610, StoreOnce 2620, StoreOnce 2700, StoreOnce 2900	4.1	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 2000 series [1]	StoreOnce 2610, StoreOnce 2620, StoreOnce 2700, StoreOnce 2900	4.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 3000 series [1] [2]	StoreOnce 3100	2.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 3000 series [1] [2]	StoreOnce 3100	4.1	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 3000 series [1] [2]	StoreOnce 3100	4.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 3500/3600 series [1] [2]	StoreOnce 3520, StoreOnce 3540, StoreOnce 3620, StoreOnce 3640	2.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 3500/3600 series [1] [2]	StoreOnce 3520, StoreOnce 3540, StoreOnce 3620, StoreOnce 3640	4.1	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication

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Hewlett Packard Enterprise

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
StoreOnce 3500/3600 series [1] [2]	StoreOnce 3520, StoreOnce 3540, StoreOnce 3620, StoreOnce 3640	4.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 4000 series [1]	StoreOnce 4210fc, StoreOnce 4210i, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700, StoreOnce 4900	2.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 4000 series [1]	StoreOnce 4210fc, StoreOnce 4210i, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700, StoreOnce 4900	4.1	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 4000 series [1]	StoreOnce 4210fc, StoreOnce 4210i, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700, StoreOnce 4900	4.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 5000 series [1] [2]	StoreOnce 5100, StoreOnce 5200, StoreOnce 5250, StoreOnce 5500, StoreOnce 5650	2.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 5000 series [1] [2]	StoreOnce 5100, StoreOnce 5200, StoreOnce 5250, StoreOnce 5500, StoreOnce 5650	4.1	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 5000 series [1] [2]	StoreOnce 5100, StoreOnce 5200, StoreOnce 5250, StoreOnce 5500, StoreOnce 5650	4.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 6000 series [1]	StoreOnce 6500, StoreOnce 6600, StoreOnce B6200	2.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 6000 series [1]	StoreOnce 6500, StoreOnce 6600, StoreOnce B6200	4.1	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce 6000 series [1]	StoreOnce 6500, StoreOnce 6600, StoreOnce B6200	4.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce VSA (Hyper-V) [1] [3]	StoreOnce VSA (Hyper-V)	2.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce VSA (Hyper-V) [1] [3]	StoreOnce VSA (Hyper-V)	4.1	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce VSA (Hyper-V) [1] [3]	StoreOnce VSA (Hyper-V)	4.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce VSA (VMware) [1] [3]	StoreOnce VSA (VMware)	2.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
StoreOnce VSA (VMware) [1] [3]	StoreOnce VSA (VMware)	4.1	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication

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Hewlett Packard Enterprise

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
StoreOnce VSA (VMware) [1] [3]	StoreOnce VSA (VMware)	4.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication

1. The HPE v4.1 and v4.2 OST plugins do not support client-side deduplication for systems running the Backup Exec remote agent. This will be addressed by HPE in a future release of the plugin. For now, deduplication from the remote system must be done via server-side.

2. Version 3.14 code is the minimum required for the StoreOnce 3100, 3520, 3540, 5100, or 5500 devices. The code is not backwards compatible with earlier versions of StoreOnce hardware. For more information, please contact Hewlett Packard Enterprise.

3. StoreOnce VSA is a virtual appliance. For device details and platform support refer to: <https://www.hpe.com/h20195/v2/GetDocument.aspx?docname=c04328820>

Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi2500-D [1] [2] [3] [4]	DXi2500-D	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi2500-D [1] [2] [3] [4]	DXi2500-D	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4000 Series [1] [2] [3] [4] [5]	DXi4510, DXi4520, DXi4601	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4000 Series [1] [2] [3] [4] [5]	DXi4510, DXi4520, DXi4601	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4000 Series [1] [2] [3] [5]	DXi4510, DXi4520, DXi4601	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4000 Series [1] [2] [3] [5]	DXi4510, DXi4520, DXi4601	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
DXi4700 Series [1] [2] [3] [4] [5]	DXi4701	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4700 Series [1] [2] [3] [4] [5]	DXi4701	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi4700 Series [1] [2] [3] [5]	DXi4701	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4700 Series [1] [2] [3] [5]	DXi4701	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
DXi6000 Series [1] [2] [3] [4] [5]	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6000 Series [1] [2] [3] [4] [5]	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6000 Series [1] [2] [3] [5]	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6000 Series [1] [2] [3] [5]	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
DXi6700 Series [1] [2] [3] [4] [5]	DXi6700, DXi6701, DXi6702	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6700 Series [1] [2] [3] [4] [5]	DXi6700, DXi6701, DXi6702	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6700 Series [1] [2] [3] [5]	DXi6700, DXi6701, DXi6702	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6700 Series [1] [2] [3] [5]	DXi6700, DXi6701, DXi6702	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
DXi6800 Series [1] [2] [3] [4] [5]	DXi6802	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6800 Series [1] [2] [3] [4] [5]	DXi6802	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6800 Series [1] [2] [3] [5]	DXi6802	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6800 Series [1] [2] [3] [5]	DXi6802	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
DXi6900 Series [1] [2] [3] [4] [5]	DXi6900, DXi6900-S	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi6900 Series [1] [2] [3] [4] [5]	DXi6900, DXi6900-S	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6900 Series [1] [2] [3] [5]	DXi6900, DXi6900-S	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6900 Series [1] [2] [3] [5]	DXi6900, DXi6900-S	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
DXi7500 Series [1] [2] [3] [4] [5]	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi7500 Series [1] [2] [3] [4] [5]	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi7500 Series [1] [2] [3] [5]	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi7500 Series [1] [2] [3] [5]	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
DXi8500 Series [1] [2] [3] [4] [5]	DXi8500, DXi8500 2TB, DXi8500 3TB	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi8500 Series [1] [2] [3] [4] [5]	DXi8500, DXi8500 2TB, DXi8500 3TB	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi8500 Series [1] [2] [3] [5]	DXi8500, DXi8500 2TB, DXi8500 3TB	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi8500 Series [1] [2] [3] [5]	DXi8500, DXi8500 2TB, DXi8500 3TB	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication
DXi V Series [1] [2] [3] [4] [5] [6]	DXi V1000, DXi V2000, DXi V4000	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi V Series [1] [2] [3] [4] [5] [6]	DXi V1000, DXi V2000, DXi V4000	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi V Series [1] [2] [3] [5] [6]	DXi V1000, DXi V2000, DXi V4000	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi V Series [1] [2] [3] [5] [6]	DXi V1000, DXi V2000, DXi V4000	10.0	Ethernet		✔	✔	Basic Deduplication, Optimized Duplication

1. For more information, see <http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/OSTClientPlugIn/Index.aspx>

2. Plug-in version 3.0 (or higher) is required for NEW Backup Exec 15 installations. Older (supported) versions of the plugin are acceptable when Backup Exec is upgraded in-place to Backup Exec 15. Plug-in version 3.0 is only available for 64-bit servers.

3. The Quantum hostname and storage server name needs to be different to avoid connection issues.

4. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

5. Quantum DXi OST plugins, version 10.0.0 and above, support 64 bit systems only.

6. This device is a virtual appliance. Representative VMware-supported ESX4, ESXi4, or ESXi5 servers/storage were tested. Refer to <http://downloads.quantum.com/dxiv1000/6-67611-01_DXi_V1000_QuickStartGuide_RevA.pdf>

Quest

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DR 11g Series [1] [2] [3]	DR4000	3.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
DR 11g Series [1] [2] [3]	DR4000	4.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
DR 12g Series [1] [2] [3]	DR4100, DR6000	3.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
DR 12g Series [1] [2] [3]	DR4100, DR6000	4.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
DR 13g Series [1] [2] [3]	DR4300, DR4300e, DR6300	3.2	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication
DR 13g Series [1] [2] [3]	DR4300, DR4300e, DR6300	4.0	Ethernet	✔	✔	Basic Deduplication, Optimized Duplication

1. Dell EMC has separated/sold the DR appliance division into Quest. Customers should migrate to running newer Quest branded software on the appliance and using the Quest branded plugin. Download Quest stuff from <https://support.quest.com/download-product-select>

2. For 4.0: The Quest packaged 4.x plug-in installer should be used to install the required OST plugin. The Quest packaged 4.0.2 (or newer) plug-in installer now installs two plugin files. When configuring storage within Backup Exec 15, please select the "Dell" provider and do NOT select the "Quest" provider. Backup Exec 15 only

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supports the original Dell-named plugin. The Backup Exec adamm.log will document which plugin is being used in the line “OST Server: DELL:DR4300-HPVxxxx” versus “OST Server: QUEST:DR4300-HPVxxxx”. There are no performance differences between the different named plugins. There are no changes to the container on the Quest DR appliance side. The container may be using either the Symantec or the Veritas OST access protocol. In other words: the Dell-named libstspiDellMT.dll works & is supported by Backup Exec 15. The Quest-named libstspiocaMT.dll is also installed by the Quest 4.0.2 (or newer) package, but it will not work with Backup Exec 15. The Quest-named libstspiocaMT.dll is supported in Backup Exec 16 FP2 (or newer).

3. Plug-in version 3.2 (or higher) is required for NEW Backup Exec 15 installations. Older (supported) versions of the plugin are acceptable when Backup Exec is upgraded in-place to Backup Exec 15.

Veritas

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
NetBackup 5000 [1] [2] [3] [4]	NetBackup 5000	6.6.5	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
NetBackup 5020 [1] [2] [3] [4]	NetBackup 5020	6.6.5	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
NetBackup 5030 [1] [2] [4]	NetBackup 5030	6.6.5	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

1. BE 2012 introduced optimized duplication (opt-dupe) operations for GRT backup sets. If a NetBackup 50x0 is specified as the source of a GRT opt-dupe, the operation will fall back to the previous BE 2010 behavior of rehydrating all of the data from the NetBackup 50x0 to the media server before transmitting only the unique data to the target server.

2. If a NetBackup 50x0 is specified as the source of an optimized duplication (opt-dupe) operation, only 1 opt-dupe on that media server will execute at a time. Other opt-dupe, backup, verify, and restore operations will be blocked from running until that opt-dupe job finishes.

3. NBU 5000/5020 software versions v1.4.3.1, or newer, are strongly recommended.

4. The required plug-in for this appliance is included with Backup Exec. When adding the NBU 50x0 OpenStorage device, select the "PureDisk" option. Note: the PureDisk installation log-on screen references plug-ins. These are not needed since Backup Exec includes the plug-in natively.

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VSS Providers for Offhost backup

This list of tested Volume Shadow Copy Service (VSS) components represents what has been tested in Veritas labs, or in Veritas-supervised partner labs. To ensure compatibility, Veritas, the device manufacturers, and the operating system vendor must support the combination of VSS components. Note: The Backup Exec Advanced Disk Based Backup Option, now part of the Enterprise Server Option, is required for VSS. See the Administrator's Guide for more details on usage of the VSS provider.

Please Note:

1. The provider version and array firmware listed in this section are the **minimum** levels that are supported. Where more than one entry level is listed in these "Minimum" columns, this implies a newer version has been tested. The earlier versions are the minimum versions required. The hardware vendor may specify rules for pairing of the provider and firmware versions.

2. The Array Firmware listed in this section are the **minimum** levels that are supported.

3. The Advanced Open File job options are not supported for use with Dynamic Disk Snapshots.

Dell EMC

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
CLARiiON CX3 series	CLARiiON CX3 Model 10, CLARiiON CX3 Model 20, CLARiiON CX3 Model 40, CLARiiON CX3 Model 80	Fibre Channel	FLARE 26	Solutions Enabler with VSS Provider	4.0.1
CLARiiON CX4 series [1]	CLARiiON CX4 Model 120, CLARiiON CX4 Model 240, CLARiiON CX4 Model 480, CLARiiON CX4 Model 960	Fibre Channel	FLARE 28	Solutions Enabler with VSS Provider	4.1.2
CLARiiON CX series [2]	CLARiiON CX300, CLARiiON CX400, CLARiiON CX500, CLARiiON CX600, CLARiiON CX700	Fibre Channel	02.19.500.5.016	CLARiiON VSS Provider	1.5.0.3.8
CLARiiON CX series [2]	CLARiiON CX300, CLARiiON CX400, CLARiiON CX500, CLARiiON CX600, CLARiiON CX700	Fibre Channel	FLARE 26	Solutions Enabler with VSS Provider	4.0.1
Compellent Storage Center 5 [3]	Compellent Storage Center 5.2, Compellent Storage Center 5.3, Compellent Storage Center 5.4	Fibre Channel, iSCSI	5.4.3	Replay Manager VSS Provider	06.00.02.002, 06.01.00.010
Compellent Storage Center 6.5 [3]	Compellent Storage Center 6.5	Fibre Channel, iSCSI	6.5.10	Replay Manager VSS Provider	07.00.00.008
EqualLogic PS3000 series	EqualLogic PS3000E, EqualLogic PS3000X, EqualLogic PS3000XV	iSCSI	V4.3.0 (R104535)	VSS Provider	3.3.0.4883

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Dell EMC

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
EqualLogic PS4000 series	EqualLogic PS4000E, EqualLogic PS4000X, EqualLogic PS4000XV, EqualLogic PS4100E, EqualLogic PS4100X, EqualLogic PS4100XV, EqualLogic PS4100XV3.5"	iSCSI	V4.3.0 (R104535)	VSS Provider	3.3.0.4883
EqualLogic PS5000 series	EqualLogic PS5000E, EqualLogic PS5000X, EqualLogic PS5000XV, EqualLogic PS5500E	iSCSI	V4.3.0 (R104535)	VSS Provider	3.3.0.4883
EqualLogic PS6000 series	EqualLogic PS6000E, EqualLogic PS6000S, EqualLogic PS6000X, EqualLogic PS6000XV, EqualLogic PS6000XVS, EqualLogic PS6010E, EqualLogic PS6010S, EqualLogic PS6010X, EqualLogic PS6010XV, EqualLogic PS6010XVS, EqualLogic PS6100E, EqualLogic PS6100X, EqualLogic PS6100XV, EqualLogic PS6100XV3.5", EqualLogic PS6500E, EqualLogic PS6500X, EqualLogic PS6500XV, EqualLogic PS6510E, EqualLogic PS6510X, EqualLogic PS6600, EqualLogic PX6100S, EqualLogic PX6100XS	iSCSI	V4.3.0 (R104535)	VSS Provider	3.3.0.4883
EqualLogic PS series [1]	EqualLogic PS100E	iSCSI	V2.2.3 (R75), V4.0.2 (R83937)	VSS Provider	2.0.0.0, 2.2.1, 3.0, 3.1.2.0
PowerVault MD30xx Series [1] [4]	PowerVault MD3000, PowerVault MD3000i	iSCSI, SAS	06.17.77.60, 7.35.00.00, 06.70.10.60	VSS Provider SmVssProvider	09.17.05, 10.70.08, 09.70.02
PowerVault MD32xx Series [1]	PowerVault MD3200, PowerVault MD3200i, PowerVault MD3220, PowerVault MD3220i	iSCSI, SAS	7.70.00.00	VSS Provider SmVssProvider	10.70.08

1. Only basic disks are supported, per the VSS provider.

2. For the older provider (CLARiiON VSS Provider), only Snapshots are supported. Clones are not supported. The newer provider (Solutions Enabler with VSS Provider) does not have this limitation.

3. Windows 2008 or higher is supported

4. The MD3000/MD3000i does not support concurrent multi-volume snapshot (includes Mount Points).

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Fujitsu

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
ETERNUS2000 series [1] [2] [3]	ETERNUS2000 Model 50, ETERNUS2000 Model 100, ETERNUS2000 Model 200	Fibre Channel	V10L35-0000	Eternus VSS Hardware Provider	1.1.0
ETERNUS4000 series [1]	ETERNUS4000 Model 80, ETERNUS4000 Model 100, ETERNUS4000 Model 300, ETERNUS4000 Model 400, ETERNUS4000 Model 500, ETERNUS4000 Model 600	Fibre Channel	V20L21-0000	Eternus VSS Hardware Provider	1.3.0
ETERNUS8000 series [1]	ETERNUS8000 Model 700, ETERNUS8000 Model 800, ETERNUS8000 Model 900, ETERNUS8000 Model 1100, ETERNUS8000 Model 1200, ETERNUS8000 Model 2100, ETERNUS8000 Model 2200	Fibre Channel	N/A	Eternus VSS Hardware Provider	1.3.0
ETERNUS DX60/DX80/DX90 series [1] [4] [5]	ETERNUS AF150 S3, ETERNUS AF250 S2, ETERNUS AF250 S3, ETERNUS DX60, ETERNUS DX60 S2, ETERNUS DX60 S3, ETERNUS DX60 S5, ETERNUS DX80, ETERNUS DX80 S2, ETERNUS DX90, ETERNUS DX90 S2, ETERNUS DX100 S5, ETERNUS DX200 S5	Fibre Channel, iSCSI	N/A, V10L22-3000	Eternus VSS Hardware Provider	1.3.0, 2.1.0
ETERNUS DX400 series [1] [4]	ETERNUS AF650 S2, ETERNUS AF650 S3, ETERNUS DX410, ETERNUS DX410 S2, ETERNUS DX440, ETERNUS DX440 S2, ETERNUS DX500 S4, ETERNUS DX500 S5, ETERNUS DX600 S4, ETERNUS DX600 S5	iSCSI	N/A	Eternus VSS Hardware Provider	2.1.0
ETERNUS DX8000 series [1] [4]	ETERNUS DX8100, ETERNUS DX8100 S2, ETERNUS DX8400, ETERNUS DX8700, ETERNUS DX8700 S2	iSCSI	N/A	Eternus VSS Hardware Provider	2.1.0

1. Only basic disks are supported, per the VSS provider.
2. The Fujitsu VSS Hardware Provider does not support the ETERNUS2000 Model 50.
3. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .
4. Series S2 platforms require a v2.x provider.
5. The ETERNUS DX60 S2 requires a v1.x provider.

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Hewlett Packard Enterprise

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
2000 G2 series	MSA2312fc, MSA2312i, MSA2312sa, MSA2324fc, MSA2324i, MSA2324sa	Fibre Channel, iSCSI, SAS	M110R21	P2000/MSA2000 VSS Provider	2.7.0.0
EVA4000/6000/8000	EVA4000, EVA6000, EVA8000	Fibre Channel	XCS 5.031	EVA VSS Provider	3.0.6
EVA4100/6100/8100	EVA4100, EVA6100, EVA8100	Fibre Channel, iSCSI	XCS 5.031	EVA VSS Provider	3.0.6
EVA4400/6400/8400 series [1] [2]	EVA4400, EVA6400, EVA8400	Fibre Channel, iSCSI	XCS 9.5011, XCS 9.5012	EVA VSS Provider	4.03.00.02, 5.01.00.02
LeftHand P4000 Virtual San Appliance	LeftHand P4300, LeftHand P4500	iSCSI	8.1.00.0047.0	SAN/iQ Solutions Pack	8.1.00.0047.0
P2000 G3 MSA series	P2000 G3 FC, P2000 G3 FC/iSCSI, P2000 G3 iSCSI, P2000 G3 SAS	Fibre Channel, iSCSI, SAS	TS200R021	P2000/MSA2000 VSS Provider	2.7.0.0

1. Only basic disks are supported, per the VSS provider.

2. The minimum VSS provider for Windows 2008 is 5.01.00.02, For Windows 2003, 4.03.00.02.

Hitachi

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
AMS/WMS series	AMS200, AMS500, AMS1000, WMS100	Fibre Channel, iSCSI	0772/D-S	Shadow Copy Provider Software	v3.0.0.0
AMS/WMS series	AMS200, AMS500, AMS1000, WMS100	Fibre Channel	0893/E-X	VSS Hardware Provider	4.3.5
BR1200 [1]	BR1200	Fibre Channel, iSCSI, SAS	7.77.19.00	VSS Provider SmVssProvider	10.77.30
Lightning 9900V series	9970V, 9980	Fibre Channel	21-09-15-00/00	RM ShadowCopy Provider	01-02-03/01
SMS/AMS2000 series [1]	AMS2100, AMS2300, AMS2500, SMS100	Fibre Channel, iSCSI	0843/B-S	RM ShadowCopy Provider	01.01.0003.0000
SMS/AMS2000 series [1]	AMS2100, AMS2300, AMS2500, SMS100	Fibre Channel, iSCSI	1811/A-A, 0843/B-S	Shadow Copy Provider Software	v3.0.0.0, v3.2.0

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Hitachi

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
SMS/AMS2000 series [1]	AMS2100, AMS2300, AMS2500, SMS100		0893/E-X	VSS Hardware Provider	4.3.5

1. Only basic disks are supported, per the VSS provider.

IBM

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
DS3950 [1]	DS3950	Fibre Channel, iSCSI	7.70.00.00	VSS Provider SmVssProvider	10.70.08
DS5020 [1]	DS5020	Fibre Channel	7.70.00.00	VSS Provider SmVssProvider	10.70.08
System Storage DS3000 series [1]	DS3200, DS3300, DS3400	Fibre Channel, iSCSI, SAS	07.35.42, 7.35.00.00	VSS Provider SmVssProvider	09.70.06, 10.70.08
System Storage DS3500 series [1]	DCS3700, DS3512, DS3524	Fibre Channel, iSCSI, SAS	7.70.00.00	VSS Provider SmVssProvider	10.70.08
System Storage DS5000 series [1]	DS5100, DS5300	Fibre Channel, iSCSI	7.70.00.00	VSS Provider SmVssProvider	10.70.08
System Storage DS6000 series [2]	DS6000 (1750-511), DS6800	Fibre Channel	5.0.6.0041	TotalStorage Hardware Provider for VSS	2.4.2.0116
System Storage DS8000 series [2]	DS8000, DS8100, DS8300, DS8700, DS8800, DS8870, DS8880	Fibre Channel	5.1	TotalStorage Hardware Provider for VSS	3.2.1.0319
TotalStorage DS4000 series [1] [3]	DS4100 (FAStT100), DS4200, DS4300 (FAStT600), DS4400 (FAStT700), DS4500 (FAStT900), DS4700, DS4800	Fibre Channel	04.10.22.00, 7.60.40.00, 6.60.00.00, 7.60.00.00, 6.12.00.00	VSS Provider SmVssProvider	09.70.06, 10.70.08

1. Only basic disks are supported, per the VSS provider.

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2. Only Snapshots are supported. Clones are not currently supported.

3. In order to use the ADBO VSS feature, the IBM "Flash Copy" Premium Feature must be purchased.

Imation

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
Nexsan E-Series Systems	Nexsan E18, Nexsan E48, Nexsan E60	Fibre Channel, iSCSI	Q011.1101.7	VSS Hardware Provider	1.6.33
Nexsan E-Series V Systems	Nexsan E18V System, Nexsan E32V System, Nexsan E48V System, Nexsan E60V System	Fibre Channel, iSCSI	R011.1201.3	VSS Hardware Provider	1.6.33
Nexsan NST2000	Nexsan NST2000	iSCSI	N/A	VSS Hardware Provider	1.1.0
Nexsan NST4000	Nexsan NST4000	iSCSI	N/A	VSS Hardware Provider	1.1.0
Nexsan NST5000	Nexsan NST5000	iSCSI	N/A	VSS Hardware Provider	1.1.0
Nexsan NST6000	Nexsan NST6000	iSCSI	3.1.2.55157	VSS Hardware Provider	1.1.0

LeftHand Networks

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
NSM 150	NSM 150	iSCSI	6.6.00.0099.0	SAN/iQ Solutions Pack	1.3.0.44

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LSI Logic

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
Engenio 1932 [1]	Engenio 1932	Fibre Channel	07.35.42.00	VSS Provider SmVssProvider	09.70.06, 10.70.08

1. Only basic disks are supported, per the VSS provider.

NEC

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
iStorage S2000 series [1]	iStorage S2100, iStorage S2300, iStorage S2400, iStorage S2500, iStorage S2800, iStorage S2900	Fibre Channel	010A	Storage VSS Provider - iStorage S/A Series	1.1.1.3

1. Only Replication Control (full copy method) is supported.

Oracle

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
Storage 6580/6780 series [1]	Sun Storage 6580 array, Sun Storage 6780 array	Fibre Channel	7.70.00.00	VSS Provider SmVssProvider	10.70.08
StorageTek 2500 series [1]	StorageTek 2510 array, StorageTek 2530 array, StorageTek 2540 array, Sun Storage 2530-M2 array, Sun Storage 2540-M2 array	Fibre Channel, iSCSI, SAS	6.70.54.11, 7.35.00.00	VSS Provider SmVssProvider	09.70.06, 10.70.08
StorageTek 6140 array [1] [2]	StorageTek 6140 array	Fibre Channel	07.10.22.00, 7.60.00.00	VSS Provider SmVssProvider	09.70.06, 10.70.08
Sun Storage 6180 array [1]	Sun Storage 6180 array	Fibre Channel	7.70.00.00	VSS Provider SmVssProvider	10.70.08

1. Only basic disks are supported, per the VSS provider.

2. Requires Sun 'Data Snapshot' Software

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SGI

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
InfiniteStorage 350 [1] [2]	InfiniteStorage 350	Fibre Channel	04.10.22.00, 7.60.00.00	VSS Provider SmVssProvider	09.70.06, 10.70.08
InfiniteStorage 4000 [1] [2]	InfiniteStorage 4000	Fibre Channel	04.10.22.00, 7.60.00.00	VSS Provider SmVssProvider	09.70.06, 10.70.08
InfiniteStorage 4500 [2]	InfiniteStorage 4500	Fibre Channel	04.10.22.00	VSS Provider SmVssProvider	09.70.06
TP9500 [1]	TP9500	Fibre Channel	6.60.00.00	VSS Provider SmVssProvider	10.70.08

1. Only basic disks are supported, per the VSS provider.

2. Requires SGI 'SnapCopy' Software

StorageTek

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
FlexLine 200/300 series [1]	FlexLine FLX280, FlexLine FLX380	Fibre Channel	6.60.00.00	VSS Provider SmVssProvider	10.70.08
OPENstorage 9176/9170 [1]	OPENstorage 9176/9170	Fibre Channel	6.12.00.00	VSS Provider SmVssProvider	10.70.08

1. Only basic disks are supported, per the VSS provider.

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Sun

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
StorageTek 6130 [1] [2]	StorageTek 6130	Fibre Channel	07.10.22.00, 6.60.00.00	VSS Provider SmVssProvider	09.70.06, 10.70.08
StorageTek 6540 [1] [2]	StorageTek 6540	Fibre Channel	07.10.22.00, 7.60.00.00	VSS Provider SmVssProvider	09.70.06, 10.70.08
StorageTek 9176 [2]	StorageTek 9176	Fibre Channel	07.10.22.00	VSS Provider SmVssProvider	09.70.06

1. Only basic disks are supported, per the VSS provider.

2. Requires Sun 'Data Snapshot' Software

Xiotech

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
Magnitude 3D	Magnitude 3D	Fibre Channel	0503	DataScale SP VSS HW Provider	4.1.0.44

Xyratex

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
RS-1220	RS-1220	Fibre Channel	N/A	VSS Hardware Provider	0.0.1.01

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VDS Providers for Storage Provisioning Option

This list of tested Virtual Disk Service (VDS) components represents what has been tested in Veritas labs, or in Veritas-supervised partner labs. To ensure compatibility, Veritas, the device manufacturers, and the operating system vendor must support the combination of VDS components. Note: The Backup Exec Storage Provisioning Option is required for VDS. See the Administrator's Guide for more details on usage of the VDS provider.

Please Note:

1. The provider version software listed in this section are the **minimum** software levels that are supported.
2. The Array Firmware listed in this section are the **minimum** levels that are supported.
3. For Windows 2008, SP2 is required. (or apply <http://support.microsoft.com/kb/958387>).
4. For Windows 2008 R2, KB979940 is recommended. (http://support.microsoft.com/kb/979940).

Dell EMC

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
EqualLogic PS3000 series [1] [2]	EqualLogic PS3000E, EqualLogic PS3000X, EqualLogic PS3000XV	iSCSI	V4.3.5(R115269)	Dell EMC EqualLogic VDS Provider	3.4.2
EqualLogic PS4000 series [1] [2]	EqualLogic PS4000E, EqualLogic PS4000X, EqualLogic PS4000XV, EqualLogic PS4100E, EqualLogic PS4100X, EqualLogic PS4100XV, EqualLogic PS4100XV3.5"	iSCSI	V4.3.5(R115269)	Dell EMC EqualLogic VDS Provider	3.4.2
EqualLogic PS5000 series [1] [2]	EqualLogic PS5000E, EqualLogic PS5000X, EqualLogic PS5000XV, EqualLogic PS5500E	iSCSI	V4.3.5(R115269)	Dell EMC EqualLogic VDS Provider	3.4.2
EqualLogic PS6000 series [1] [2]	EqualLogic PS6000E, EqualLogic PS6000S, EqualLogic PS6000X, EqualLogic PS6000XV, EqualLogic PS6000XVS, EqualLogic PS6010E, EqualLogic PS6010S, EqualLogic PS6010X, EqualLogic PS6010XV, EqualLogic PS6010XVS, EqualLogic PS6100E, EqualLogic PS6100X, EqualLogic PS6100XV, EqualLogic PS6100XV3.5", EqualLogic PS6500E, EqualLogic PS6500X, EqualLogic PS6500XV, EqualLogic PS6510E, EqualLogic PS6510X, EqualLogic PS6600, EqualLogic PX6100S, EqualLogic PX6100XS	iSCSI	V4.3.5(R115269)	Dell EMC EqualLogic VDS Provider	3.4.2
PowerVault DL2000 [2]	PowerVault DL2000	SAS	1.0	Dell EMC PERC VDS provider	91.00.36.36

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Dell EMC

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
PowerVault DL2100 [2]	PowerVault DL2100	SAS	1.2.6	Dell EMC PERC VDS provider	91.01.36.05
PowerVault DL2100 [2]	PowerVault DL2100	SAS	2.1	Dell EMC PERC VDS provider	91.02.36.07
PowerVault DL2200 [2]	PowerVault DL2200	SAS	3.0	Dell EMC PERC VDS provider	91.02.36.12

1. The HBA details listed for this row indicate the NIC tested with the storage device. This specific HBA is not required for support.

2. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

Fujitsu

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
ETERNUS2000 series [1] [2] [3]	ETERNUS2000 Model 50, ETERNUS2000 Model 100, ETERNUS2000 Model 200	iSCSI	V10L78	Fujitsu VDS provider	1.4.0
ETERNUS DX400 series [1] [2] [3]	ETERNUS AF650 S2, ETERNUS AF650 S3, ETERNUS DX410, ETERNUS DX410 S2, ETERNUS DX440, ETERNUS DX440 S2, ETERNUS DX500 S4, ETERNUS DX500 S5, ETERNUS DX600 S4, ETERNUS DX600 S5	Fibre Channel	V20L43-0000	Fujitsu VDS provider	1.4.0

1. Please log off any active sessions from the ETERNUS WEB GUI before using Backup Exec.

2. This VDS provider only supports one Backup Exec server running the Storage Provisioning Option per array. Sharing in a Shared Storage Option or Central Admin Server Option is not allowed.

3. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

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Hitachi

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
AMS/WMS series [1]	AMS200, AMS500, AMS1000, WMS100	Fibre Channel	0786/C-S	Hitachi Virtual Disk Service	4.x
SMS/AMS2000 series [1]	AMS2100, AMS2300, AMS2500, SMS100	Fibre Channel	08B5/A-X	Hitachi Virtual Disk Service	4.x

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

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Virtual Tape Libraries with Drives

The virtual tape device support information is listed below. This information is organized by vendor and provides information on the level of software tested, inquiry string (vendor ID + product ID), and any other important notes about the hardware and its compatibility.

Please Note:

1. The virtual tape device software listed in this section are the **minimum** software levels that are supported. Where more than one software level is listed, this implies a newer version has been tested. The earlier software version is the minimum version required.

2. Configure the virtual device with the unique inquiry string as listed in this document. Emulating other devices is not supported.

3. For each virtual library only the virtual tape drives that are listed are supported. This information can be found with each virtual section. Other virtual tape drive types are not supported even if the real device is supported with Backup Exec.

4. Do not fill up the disk space on a virtual device. Doing so may cause unpredictable behavior of the device. The device vendor will then have to recover from any errors that result from a full disk.

5. When moving virtual volumes to physical media it works best if the virtual device has a volume size that is dynamic. Make sure that the virtual volume is slightly smaller than the physical volume. When you migrate the data to physical media you will need to ensure that there is enough space on the physical device in order to accommodate the virtual volume size.

6. It is highly recommended that Backup Exec move virtual volumes to physical media so that the data can be restored directly from physical media rather than needing to utilize the virtual device as an intermediary restoration point. If the virtual tape library moves virtual volumes to physical media Backup Exec is not aware of the physical media and may not be able to recover that data directly from that physical media.

7. When a virtual volume becomes overwriteable, the virtual device is not aware that the data is no longer needed. When Backup Exec overwrites that virtual volume the virtual library is aware that the rest of the data is not needed and it can free up the disk space. Because of this, the virtual device may appear to be much closer to capacity than it really is.

8. Tested iSCSI versions of virtual tape libraries are listed in the "iSCSI Solutions" section, under the "SAN Infrastructure components" bookmark. Please reference the limitations listed in that section.

9. The software versions documented here are obtained from the library interface (web or physical) and may not match the firmware version logged in the adamm.log.

10. All VTLs shared with the Linux server(s) must be approved for both RMAL and ESO. Zoning or LUN masking are possible methods of preventing Linux servers from seeing a VTL not approved for RMAL.

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Virtual Tape Library/Drive Legend

Value	Meaning
^	Character used to denote a space in the INQUIRY STRING.
✔	Character used to denote support for the item listed in the column.
WinBES	The listed device is supported in a Windows Backup Exec Server platform. Shareability is determined by the ESO column. See the SCL (<http://www.backupexec.com/compatibility>) for supported Backup Exec Server Operating System platforms.
RMAL	The listed device is supported in a Remote Media Agent for Linux platform. Shareability is determined by the ESO column. See the SCL (<http://www.backupexec.com/compatibility>) for supported Remote Media Agent for Linux platforms.
NDMP	The listed device is supported for use with NDMP. See the "NDMP Option" section for platform specific details. Shareability is determined by the ESO column.
ESO	The listed device is supported by the Enterprise Server Option using Fibre Channel. ESO refers to WinBES, and optionally RMAL or NDMP.

Contents

Dell EMC	Dell EMC Data Domain	FalconStor
Fujitsu	Hewlett Packard Enterprise	IBM
NetApp	Overland Storage	Quantum
Quest	SEPATON	Virtual Tape Library Families

Dell EMC

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
CDL300 Series (members)		Fibre Channel	IBM	TotalStorage 3580 Ultrium 1	EMC^^^^^Disk^Library IBM^^^^^ULT3580-TD1	✔		✔	✔
Disk Library Series (members)	2.1.5 build 1175	Fibre Channel	IBM	TotalStorage 3580 Ultrium 1	EMC^^^^^Disk^Library IBM^^^^^ULT3580-TD1	✔	✔	✔	✔

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Dell EMC

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Disk Library Series (members)	2.1.5 build 1175	Fibre Channel	IBM	Ultrium 2	EMC^^^^^Disk^Library IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
NDMP2D	5.5	NDMP	Dell EMC	EMC DLT	EMC^^^^^svtlrobot EMC^^^^^svtlDrive			✔	

Dell EMC Data Domain

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Appliance Series (members)	5.3	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	D_DOMAINRESTORER_L180 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
Appliance Series (members)	5.3	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	D_DOMAINRESTORER_L180 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
Appliance Series (members) [1]	5.5	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	D_DOMAINRESTORER_L180 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
Appliance Series (members)	4.5.1.2	Fibre Channel	IBM	Ultrium 1	D_DOMAINRESTORER_L180 IBM^^^^^ULTRIUM-TD1	✔	✔	✔	✔
Appliance Series (members)	5.3	Fibre Channel	IBM	Ultrium 4	D_DOMAINRESTORER_L180 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
DD400 Series (members) [2]	4.1.5.0	Fibre Channel	IBM	Ultrium 1	D_DOMAINRESTORER_L180 IBM^^^^^ULTRIUM-TD1	✔	✔		✔

1. Both the "D_DOMAINRESTORER_L180" and "EMC^^^^^DDVTL" library inquiry strings are supported when using DDOS 5.5 (or higher).

2. VTLs are not shareable between servers. Each VTL must be configured with LUN masking so that it can only be seen by 1 server to prevent interference.

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FalconStor

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
VirtualTape Library (RedHat 5.3 VTL Server Platform)	5.20	Fibre Channel	IBM	Ultrium 3	FALCON^^VTL IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
VirtualTape Library (RedHat 5.3 VTL Server Platform)	5.21	Fibre Channel	IBM	Ultrium 4	FALCON^^VTL IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
VirtualTape Library (RedHat AS Linux VTL Server Platform)	3.00.1047 EE	Fibre Channel	IBM	Ultrium 1	FALCON^^VTL IBM^^^^^ULTRIUM-TD1	✔	✔	✔	✔

Fujitsu

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ETERNUS CS (members) [1] [2]	4.1A4040-SP00-P130	Fibre Channel	IBM	Ultrium 2	FSC^^^^^CS-TL IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
ETERNUS CS (members) [1] [2]	5.0A	Fibre Channel	IBM	Ultrium 4	FSC^^^^^CS-TL IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
ETERNUS CS800 S2 [3] [4] [5]	1.4.1_800	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	FSC^^^^^CS-TL HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ETERNUS CS800 S3 [3] [4] [5]	2.0.2_800, 2.3.0.1_S3	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	FSC^^^^^CS-TL HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS CS800 S4 [3] [4] [5]	2.2, 2.3.0.1_S4	Fibre Channel	IBM	Ultrium 5	FSC^^^^^CS-TL IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
ETERNUS CS800 S5 [3] [4] [5]	2.3.1	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	FSC^^^^^CS-TL HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS CS800 S6 [3] [4] [5]	3.2.1	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	FSC^^^^^CS-TL HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS CS800 [3] [4] [5]	1.4.1_800	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	FSC^^^^^CS-TL HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔

1. Capacity and compression reporting is not currently supported for this device.

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2. The ETERNUS line was previously known as the CentricStor.

3. Backup Exec supports Fujitsu's Path-to-Tape (PTT) feature available on this VTL. PTT enables Backup Exec duplication jobs to move data directly from virtual tape to physical tape while off-loading the actual copying of data from the Backup Exec server to the VTL. This is referred to as "DirectCopy to tape" in the Backup Exec Administrator's Guide.

4. The default port for Backup Exec remote agents may conflict with the NDMP port used for the Path-to-Tape feature. Refer to the following technote to change the default port: <https://www.veritas.com/content/support/en_US/article.100016014>

5. This VTL also supports the following emulated tape drives: HPE Ultrium 1-SCSI, HPE Ultrium 2-SCSI, HPE Ultrium 3-SCSI, HPE Ultrium 4-SCSI, HPE Ultrium 5-SCSI, IBM ULTRIUM-TD1, IBM ULTRIUM-TD2, IBM ULTRIUM-TD3, IBM ULTRIUM-TD4, and the IBM ULTRIUM-TD5. Older device software versions may not support newer emulated drive generations.

Hewlett Packard Enterprise

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
D2D4000 Series Backup System (members) [1]	pf86	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	HP^^^^^^D2DBS HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
D2D4100 G2 Series Backup System (members)	2.2.10	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	HP^^^^^^D2DBS HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
D2D4100 Series Backup System (members) [2]		Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	HP^^^^^^D2DBS HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
D2D4300 G2 Series Backup System (members) [1]		Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	HP^^^^^^D2DBS HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
StoreOnce 3500 / 3600 Series (members) [1] [3]		Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	HP^^^^^^D2DBS HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
StoreOnce 4000 (members) [4]		Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	HP^^^^^^D2DBS HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔

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Hewlett Packard Enterprise

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StoreOnce 5000 (members) [3]		Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	HP^^^^^^D2DBS HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
StoreOnce 6000 (members)	3.0.0-1146.6	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	HP^^^^^^D2DBS HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
VLS 300 EVA Gateway [5]		Fibre Channel	Hewlett Packard Enterprise	Ultrium 230 LTO1	HP^^^^^^VLS HP^^^^^^Ultrium^1-SCSI	✔	✔	✔	✔
VLS 300 EVA Gateway [5]		Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	HP^^^^^^VLS HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
VLS 300 EVA Gateway [5]	1.1.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	HP^^^^^^VLS HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
VLS 6000 Series (members) [5]	1.1.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 230 LTO1	HP^^^^^^VLS HP^^^^^^Ultrium^1-SCSI	✔	✔	✔	✔
VLS 6000 Series (members) [5]	1.1.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	HP^^^^^^VLS HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
VLS 6000 Series (members) [5]	1.0.4, 1.1.0, 2.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	HP^^^^^^VLS HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
VLS 9000 Series [5]	2.1	Fibre Channel	Hewlett Packard Enterprise	Ultrium 230 LTO1	HP^^^^^^VLS HP^^^^^^Ultrium^1-SCSI	✔	✔	✔	✔
VLS 9000 Series [5]	2.1	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	HP^^^^^^VLS HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔

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Hewlett Packard Enterprise

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
VLS 9000 Series [5]	2.1	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	HP^^^^^^VLS HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
VLS 9200 Series [5]	6.0.0, 6.0.0.2	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	HP^^^^^^VLS HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
VLS 12000 EVA Gateway [5]	2.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 230 LTO1	HP^^^^^^VLS HP^^^^^^Ultrium^1-SCSI	✔	✔	✔	✔
VLS 12000 EVA Gateway [5]	2.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	HP^^^^^^VLS HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
VLS 12000 EVA Gateway [5]	2.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	HP^^^^^^VLS HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔

1. This VTL also supports HPE LTO2, LTO3, LTO4, and LTO5 tape drive emulation. These combinations are also supported.

2. This VTL also supports HPE LTO2, LTO3, and LTO4 tape drive emulation. These combinations are also supported.

3. Version 3.14 code is the minimum required for the StoreOnce 3520, 3540, 5100, & 5500 devices. The code is not backwards compatible with earlier versions of StoreOnce hardware. For more information, please contact Hewlett Packard Enterprise.

4. This VTL also supports HPE LTO3 and HPE LTO2 tape drive emulation. These combinations are also supported.

5. HPE supports with maximum block size of 256k

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IBM

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
System Storage TS7600 series with ProtecTIER (members) [1] [2]	2.2.3.16, 3.3.0.0, 3.4.0.0	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	IBM^^^^^V3584L32 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
Virtualization Engine TS7530 [3] [4]	1.10	Fibre Channel	IBM	System Storage TS2340 Ultrium 4	IBM^^^^^TS7530 IBM^^^^^ULT3580-TD4	✔	✔	✔	✔

1. Capacity and compression reporting is not currently supported for this device.
2. Minimum firmware level of 2.2.3.16 is required.
3. Consult with IBM for their "Best Practices" configuration, which is required for ESO.
4. The maximum Buffer/Block size supported for this device is 128K.

NetApp

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
NearStore Virtual Tape Library (members)	4.1.2, 5.2.3 (VTL OS)	Fibre Channel	IBM	Ultrium 2	NETAPP^^VTL IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
NearStore Virtual Tape Library (members)	6.0.1P2	Fibre Channel	IBM	Ultrium 4	NETAPP^^VTL IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔

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Overland Storage

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
REO 4600		Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	OVERLANDREO^Series HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
REO Series 5.X (members) [1] [2]	3.1.0.28, 4.0.2.31	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	OVERLANDREO^Series HP^^^^^^Ultrium^2-SCSI	✔			✔

1. All family members are capable of either iSCSI or FC connectivity, with the exception of the REO 1500; it is iSCSI only.

2. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

Quantum

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
DXi3500/DXi5500 Dxi Series (members) [1]	04.00.114, 04.00.123, 0400	Fibre Channel	Quantum	DLT 7000	QUANTUM^DXi QUANTUM^DLT7000	✔	✔	✔	✔
DXi4700 Series (members) [2]	2.3.1, 3.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	QUANTUM^DXi HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
DXi6700 Series (members) [2] [3] [4] [5]	1.4.1, 2.0.1, 2.3.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	QUANTUM^DXi HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
DXi6800 Series (members) [2] [3] [5]	2.2_68	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	QUANTUM^DXi HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
DXi6900 Series (members) [2] [3] [5]	3.0.0	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	QUANTUM^DXi HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
DXi7500 Series (members) [3] [5] [6]	1.0, 5.1.312b	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	QUANTUM^DXi HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
DXi8500 Series (members) [2] [3] [5]	1.4.2_85, 1.4.5_85	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	QUANTUM^DXi HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

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2. This VTL also supports the following emulated tape drives: HP Ultrium 2-SCSI, HP Ultrium 3-SCSI, HP Ultrium 4-SCSI, HP Ultrium 5-SCSI, IBM ULTRIUM-TD2, IBM ULTRIUM-TD3, IBM ULTRIUM-TD4, and the IBM ULTRIUM-TD5.

3. Backup Exec supports Quantum's Path-to-Tape (PTT) feature available on this VTL. PTT enables Backup Exec duplication jobs to move data directly from virtual tape to physical tape while off-loading the actual copying of data from the Backup Exec server to the VTL. This is referred to as "DirectCopy to tape" in the Backup Exec Administrator's Guide.

4. In order to support 2TB capacity expansions for the DXi6700, Quantum DXi Software 2.0.1 (or higher) is required. Please contact Quantum Service OSR@Quantum.com

5. The default port for Backup Exec remote agents may conflict with the NDMP port used for the Path-to-Tape feature. Refer to the following technote to change the default port: <https://www.veritas.com/content/support/en_US/article.100016014>

6. This VTL also supports the following emulated tape drives: HPE Ultrium 1-SCSI, HPE Ultrium 2-SCSI, HPE Ultrium 3-SCSI, HPE Ultrium 4-SCSI, IBM ULTRIUM-TD1, IBM ULTRIUM-TD2, IBM ULTRIUM-TD3, IBM ULTRIUM-TD4, Quantum LTO-2, Quantum LTO-3, Quantum SDLT 600, and the Quantum DLT-S4.

Quest

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
DR 13g Series (Dell) (members) [1] [2]	4.0	Fibre Channel	IBM	TotalStorage 3580 Ultrium 4	DELL^^^^DR_L700 IBM^^^^^ULT3580-TD4	✔			

1. Each VTL may only be assigned to a single server (no sharing).

2. The Dell library string is supported. The Quest library string is not supported and it will not work with Backup Exec 15. The Quest library string is supported in newer versions of Backup Exec.

SEPATON

Device	Minimum Software Version	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
S2100 (members)	2.1.2	Fibre Channel	IBM	Ultrium 1	SEPATON^S2100 IBM^^^^^ULTRIUM-TD1	✔	✔	✔	✔
S2100 (members)	2.1.2, 5.2.2	Fibre Channel	IBM	Ultrium 3	SEPATON^S2100 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔

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Virtual Tape Library Families

When a hardware family of devices is listed, refer to this section for a definition of family members. Generally speaking, the family name and members are defined by the hardware manufacturer, and share common operational traits. In some cases, a specific member of the family may not be supported in the same fashion as the other members. When this occurs, a footnote in the hardware category section will indentify this limitation.

Dell EMC

Backtrack	Family	Interface	Family Members
Backtrack	CDL300 Series	Fibre Channel	CDL310
Backtrack	Disk Library Series	Fibre Channel	CDL210, CDL300 Series, CDL310, CDL700, CDL700 Series, CDL710, CDL720, CDL740, DL4000 Series, DL6000 Series

Dell EMC Data Domain

Backtrack	Family	Interface	Family Members
Backtrack	Appliance Series	Fibre Channel	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800
Backtrack	DD400 Series	Fibre Channel	DD410, DD430, DD460

Fujitsu

Backtrack	Family	Interface	Family Members
Backtrack	ETERNUS CS	Fibre Channel	ETERNUS CS50, ETERNUS CS500, ETERNUS CS1000, ETERNUS CS1500, ETERNUS CS2000, ETERNUS CS3000, ETERNUS CS4000, ETERNUS CS5000, ETERNUS CS8000

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Hewlett Packard Enterprise

Backtrack	Family	Interface	Family Members
Backtrack	D2D4000 Series Backup System	Fibre Channel	D2D4004fc Backup System, D2D4009fc Backup System
Backtrack	D2D4100 G2 Series Backup System	Fibre Channel	D2D4106fc G2 Backup System, D2D4112 G2 Backup System
Backtrack	D2D4100 Series Backup System	Fibre Channel	D2D4112fc Backup System
Backtrack	D2D4300 G2 Series Backup System	Fibre Channel	D2D4312 G2 Backup System, D2D4324 G2 Backup System
Backtrack	StoreOnce 3500 / 3600 Series	Fibre Channel	StoreOnce 3520, StoreOnce 3540, StoreOnce 3620, StoreOnce 3640
Backtrack	StoreOnce 4000	Fibre Channel	StoreOnce 4210fc, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700, StoreOnce 4900
Backtrack	StoreOnce 5000	Fibre Channel	StoreOnce 5100, StoreOnce 5500
Backtrack	StoreOnce 6000	Fibre Channel	StoreOnce 6500, StoreOnce 6600, StoreOnce B6200
Backtrack	VLS 6000 Series	Fibre Channel	VLS6105, VLS6109, VLS6218, VLS6227, VLS6510, VLS6518, VLS6636, VLS6653, VLS6840, VLS6870

IBM

Backtrack	Family	Interface	Family Members
Backtrack	System Storage TS7600 series with ProtecTIER	Fibre Channel	System Storage TS7610SM1 ProtecTIER (V-TS3500), System Storage TS7620SM2 ProtecTIER (V-TS3500), System Storage TS7650AP1 ProtecTIER (V-TS3500), System Storage TS7650G ProtecTIER (V-TS3500)

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NetApp

Backtrack	Family	Interface	Family Members
Backtrack	NearStore Virtual Tape Library	Fibre Channel	VTL300, VTL600, VTL700, VTL1200, VTL1400

Overland Storage

Backtrack	Family	Interface	Family Members
Backtrack	REO Series 5.X	Fibre Channel	REO 1500, REO 4500, REO 4500c, REO 9100, REO 9100c

Quantum

Backtrack	Family	Interface	Family Members
Backtrack	DXi3500/DXi5500 Dxi Series	Fibre Channel	DXi3500, DXi5500
Backtrack	DXi4700 Series	Fibre Channel	DXi4701
Backtrack	DXi6700 Series	Fibre Channel	DXi6700, DXi6701, DXi6702
Backtrack	DXi6800 Series	Fibre Channel	DXi6802
Backtrack	DXi6900 Series	Fibre Channel	DXi6900, DXi6900-S
Backtrack	DXi7500 Series	Fibre Channel	DXi7500, DXi7500 Enterprise, DXi7500 Express, DXi7500-N
Backtrack	DXi8500 Series	Fibre Channel	DXi8500, DXi8500 2TB, DXi8500 3TB

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Quest

Backtrack	Family	Interface	Family Members
Backtrack	DR 13g Series (Dell)	Fibre Channel	DR4300 (Dell), DR4300e (Dell), DR6300 (Dell)

SEPATON

Backtrack	Family	Interface	Family Members
Backtrack	S2100	Fibre Channel	S2100-DS2, S2100-DS3, S2100-ES2, S2100-ES3

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Tape Drives

The tape drive support information is listed below. This information is organized by vendor and provides information on the tape drives tested, the supported Inquiry Strings, the type of interface, media type, and any special notes on a per device basis.

Please Note:

1. To ensure support, a device must be supported by Veritas and the device manufacturer.

2. Unless otherwise noted, Veritas tape class drivers were used when testing Windows-supported devices.

3. At times the manufacturer may refer to their devices by product name, which differs from the model name.

4. WORM is supported only on tape drives with a footnote indicating WORM support and a possible minimum firmware or software level. These footnotes are documented in this stand-alone tape drive section. To determine if WORM is supported in an automation environment. (i.e. physical tape libraries), please refer to the tape drive manufacturers stand-alone drive section and check for a footnote. If WORM is supported in the manufacturers drive section, then it is supported in all automation, unless documented otherwise in the automation section.

5. Hardware encryption is supported only on tape drives with a footnote indicating hardware encryption support and a possible minimum firmware or software level. These footnotes are documented in this stand-alone tape drive section. To determine if hardware encryption is supported in an automation environment. (i.e. physical tape libraries), please refer to the tape drive manufacturers stand-alone drive section and check for a footnote. If hardware encryption is supported in the manufacturers drive section, then it is supported in all automation, unless documented otherwise in the automation section.

6. The "ULTRIUM-TD" and the "ULT3580-TD" inquiry strings are interchangeable (both are supported), unless otherwise indicated. The "ULTRIUM-HH" and the "ULT3580-HH" inquiry strings are interchangeable (both are supported), unless otherwise indicated.

7. Unless specifically stated in technote article <https://www.veritas.com/content/support/en_US/article.100019307> , tape libraries or tape drives attached to a RAID controller are not supported.

8. The HPE One Button Disaster Recovery (OBDR) feature is no longer supported with Backup Exec.

Tape Drive Legend

Value	Meaning
^	Character used to denote a space in the INQUIRY STRING.
✔	Character used to denote support for the item listed in the column.
WinBES	The listed device is supported in a Windows Backup Exec Server platform. See the SCL (<http://www.backupexec.com/compatibility>) for supported Backup Exec Server Operating System platforms.
RMAL	The listed device is supported in a Remote Media Agent for Linux platform. See the SCL (<http://www.backupexec.com/compatibility>) for supported Remote Media Agent for Linux platforms.

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actidata	Dell EMC	Hewlett Packard Enterprise
IBM	Imation	Oracle
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actidata

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
actiTape LTO3 - Half Height	IBM^^^^^ULT3580-HH3	SCSI	LTO	✔	✔
actiTape LTO4 - Full Height	IBM^^^^^ULT3580-TD4	Fibre Channel	LTO	✔	✔
actiTape LTO4 - Full Height	IBM^^^^^ULT3580-TD4	SCSI	LTO	✔	✔
actiTape LTO4 - Half Height	IBM^^^^^ULT3580-HH4	SAS	LTO	✔	✔
actiTape LTO5 - Full Height	IBM^^^^^ULT3580-TD5	Fibre Channel	LTO	✔	✔
actiTape LTO5 - Full Height	IBM^^^^^ULT3580-TD5	SAS	LTO	✔	✔

Dell EMC

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
PowerVault 100T DAT72	SEAGATE^DAT^DAT72	SCSI	4mm	✔	✔
PowerVault 110T LTO2 (Certance) [1]	CERTANCEULTRIUM^2	SCSI	LTO	✔	✔
PowerVault 110T LTO2 (Gen2 IBM)	IBM^^^^^ULTRIUM-TD2	SCSI	LTO	✔	✔
PowerVault 110T LTO3 (IBM) [2]	IBM^^^^^ULTRIUM-TD3	SCSI	LTO	✔	✔
PowerVault 110T SDLT320 [1]	QUANTUM^SDLT320	SCSI	DLT	✔	✔
PowerVault 110T VS160	QUANTUM^DLT^VS160	SCSI	DLT	✔	✔
PowerVault 112T series [3]	varies	SCSI		✔	
PowerVault 114T series [3]	varies	SAS		✔	

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Dell EMC

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
PowerVault 114T series [3]	varies	SCSI		✔	
PowerVault 114X series [3]	varies	USB 2.0		✔	
PowerVault 114X series [3]	various^LTO^drives	SAS		✔	
PowerVault LTO-6 [4] [5]	IBM^^^^^ULTRIUM-HH6	SAS	LTO	✔	✔
PowerVault LTO-7 [4] [5] [6]	IBM^^^^^ULTRIUM-HH7	SAS	LTO	✔	✔
PowerVault LTO3-060 (IBM) [4]	IBM^^^^^ULTRIUM-HH3	SAS	LTO	✔	✔
PowerVault LTO3-060 (IBM) [4]	IBM^^^^^ULTRIUM-HH3	SCSI	LTO	✔	✔
PowerVault LTO3-060 (Quantum) [4]	QUANTUM^ULTRIUM^3	SAS	LTO	✔	✔
PowerVault LTO3-060 (Quantum) [7]	QUANTUM^ULTRIUM^3	SCSI	LTO	✔	✔
PowerVault LTO3-080 (IBM) [4]	IBM^^^^^ULTRIUM-HH3	SAS	LTO	✔	✔
PowerVault LTO4-120 (Quantum) [4] [5]	QUANTUM^ULTRIUM^4	SAS	LTO	✔	✔
PowerVault LTO4-120 [4] [5]	IBM^^^^^ULTRIUM-TD4	SAS	LTO	✔	✔
PowerVault LTO4-120HH [4] [5]	IBM^^^^^ULTRIUM-HH4	SAS	LTO	✔	✔
PowerVault LTO5-140 [4] [5]	IBM^^^^^ULTRIUM-HH5	SAS	LTO	✔	✔

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. WORM tape is supported with initial firmware level 5480

3. This is a rack mounted enclosure for Dell EMC certified tape drives and should not be confused with actual Dell EMC tape drives.

4. WORM tape is supported with this drive.

5. T10 Hardware Encryption is supported.

6. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

7. WORM tape is supported with initial firmware level 1896

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Hewlett Packard Enterprise

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
DAT 72	HP^^^^^^C7438A	SCSI	4mm	✔	✔
DAT 72 [1]	HP^^^^^^C7438A	USB 2.0	4mm	✔	
DAT 160 [2]	HP^^^^^^DAT160	SAS	4mm	✔	✔
DAT 160 [2]	HP^^^^^^DAT160	SCSI	4mm	✔	✔
DAT 160 [1] [2]	HP^^^^^^DAT160	USB 2.0	4mm	✔	
DAT 320 [2] [3]	HP^^^^^^DAT320	SAS	4mm	✔	✔
DAT 320 [1] [2] [3]	HP^^^^^^DAT320	USB 2.0	4mm	✔	
Ultrium 448 LTO2 [4] [5]	HP^^^^^^Ultrium^2-SCSI	SAS	LTO	✔	✔
Ultrium 448 LTO2 [4] [5]	HP^^^^^^Ultrium^2-SCSI	SCSI	LTO	✔	✔
Ultrium 460 LTO2	HP^^^^^^Ultrium^2-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 460 LTO2	HP^^^^^^Ultrium^2-SCSI	SCSI	LTO	✔	✔
Ultrium 920 LTO3 [2] [4] [5]	HP^^^^^^Ultrium^3-SCSI	SAS	LTO	✔	✔
Ultrium 920 LTO3 [2] [4] [5]	HP^^^^^^Ultrium^3-SCSI	SCSI	LTO	✔	✔
Ultrium 960 LTO3 [2]	HP^^^^^^Ultrium^3-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 960 LTO3 [2]	HP^^^^^^Ultrium^3-SCSI	SCSI	LTO	✔	✔
Ultrium 1760 LTO4 [2] [3] [4] [5]	HP^^^^^^Ultrium^4-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 1760 LTO4 [2] [3] [4] [5]	HP^^^^^^Ultrium^4-SCSI	SAS	LTO	✔	✔
Ultrium 1760 LTO4 [2] [3] [4] [5]	HP^^^^^^Ultrium^4-SCSI	SCSI	LTO	✔	✔
Ultrium 1840 LTO4 [2] [3]	HP^^^^^^Ultrium^4-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 1840 LTO4 [2] [3]	HP^^^^^^Ultrium^4-SCSI	SAS	LTO	✔	✔
Ultrium 1840 LTO4 [2] [3]	HP^^^^^^Ultrium^4-SCSI	SCSI	LTO	✔	✔
Ultrium 3000 LTO5 [2] [3] [4]	HP^^^^^^Ultrium^5-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 3000 LTO5 [2] [3] [4]	HP^^^^^^Ultrium^5-SCSI	SAS	LTO	✔	✔
Ultrium 3280 LTO5 [2] [3]	HP^^^^^^Ultrium^5-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 3280 LTO5 [2] [3]	HP^^^^^^Ultrium^5-SCSI	SAS	LTO	✔	✔

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Hewlett Packard Enterprise

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
Ultrium 6250 LTO6 [2] [3] [4]	HP^^^^^^Ultrium^6-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 6250 LTO6 [2] [3] [4]	HP^^^^^^Ultrium^6-SCSI	SAS	LTO	✔	✔
Ultrium 6650 LTO6 [2] [3]	HP^^^^^^Ultrium^6-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 6650 LTO6 [2] [3]	HP^^^^^^Ultrium^6-SCSI	SAS	LTO	✔	✔
Ultrium 15000 LTO7 [3] [4] [6] [7]	HP^^^^^^Ultrium^7-SCSI	Fibre Channel	LTO	✔	✔
Ultrium 15000 LTO7 [3] [4] [6] [7]	HP^^^^^^Ultrium^7-SCSI	SAS	LTO	✔	✔
Ultrium 15750 LTO7 [3] [6] [7]	HP^^^^^^Ultrium^7-SCSI	Fibre Channel	LTO	✔	✔

1. For all USB tape drives, the vendor's device driver must be loaded prior to starting Backup Exec.

2. WORM tape is supported with this drive.

3. T10 Hardware Encryption is supported.

4. Half-Height drive configuration.

5. Supported in the HPE BladeSystem c-Class chassis.

6. WORM tape is supported with this drive if using FP5 or higher.

7. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

IBM

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
LTO Gen 3 400/800GB (P/N 25R0012 / 39M5657)	IBM^^^^^ULTRIUM-TD3	SCSI	LTO	✔	✔
LTO Gen 3 HH (P/N 43W8478/3628L3X/3628N3X) [1]	IBM^^^^^HH^LTO^Gen^3	SAS	LTO	✔	✔
LTO Gen 4 HH (P/N 44E8895/3628L4X/3628N4X) [1] [2]	IBM^^^^^HH^LTO^Gen^4	SAS	LTO	✔	✔
LTO Gen 5 HH (P/N 49Y9898/3628L5X/3628N5X) [1] [2]	IBM^^^^^HH^LTO^Gen^5	SAS	LTO	✔	✔
LTO Gen 6 HH (P/N 00D8924) [1] [2]	IBM^^^^^HH^LTO^Gen^6	SAS	LTO	✔	✔
System Storage TS1140 (3592 Model E07) [3] [4]	IBM^^^^^03592E07	Fibre Channel	half inch	✔	✔

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IBM

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
System Storage TS1150 (3592 Model E08) [3] [4]	IBM^^^^^03592E08	Fibre Channel	half inch	✔	✔
System Storage TS2230 Ultrium 3 Half Height [1]	IBM^^^^^ULT3580-HH3	SAS	LTO	✔	✔
System Storage TS2230 Ultrium 3 Half Height [1]	IBM^^^^^ULT3580-HH3	SCSI	LTO	✔	✔
System Storage TS2240 Ultrium 4 Half Height [2]	IBM^^^^^ULT3580-HH4	Fibre Channel	LTO	✔	✔
System Storage TS2240 Ultrium 4 Half Height [1] [2]	IBM^^^^^ULT3580-HH4	SAS	LTO	✔	✔
System Storage TS2250 Ultrium 5 Half Height [1] [2]	IBM^^^^^ULT3580-HH5	Fibre Channel	LTO	✔	✔
System Storage TS2250 Ultrium 5 Half Height [1] [2]	IBM^^^^^ULT3580-HH5	SAS	LTO	✔	✔
System Storage TS2260 Ultrium 6 Half Height [1] [2]	IBM^^^^^ULT3580-HH6	Fibre Channel	LTO	✔	✔
System Storage TS2260 Ultrium 6 Half Height [1] [2]	IBM^^^^^ULT3580-HH6	SAS	LTO	✔	✔
System Storage TS2270 Ultrium 7 Half Height [1] [2] [5]	IBM^^^^^ULT3580-HH7	Fibre Channel	LTO	✔	✔
System Storage TS2270 Ultrium 7 Half Height [1] [2] [5]	IBM^^^^^ULT3580-HH7	SAS	LTO	✔	✔
System Storage TS2340 Ultrium 4 [1] [2]	IBM^^^^^ULT3580-TD4	Fibre Channel	LTO	✔	✔
System Storage TS2340 Ultrium 4 [1] [2]	IBM^^^^^ULT3580-TD4	SAS	LTO	✔	✔
System Storage TS2340 Ultrium 4 [1]	IBM^^^^^ULT3580-TD4	SCSI	LTO	✔	✔
System Storage TS2350 Ultrium 5 [1] [2]	IBM^^^^^ULT3580-TD5	Fibre Channel	LTO	✔	✔
System Storage TS2350 Ultrium 5 [1] [2]	IBM^^^^^ULT3580-TD5	SAS	LTO	✔	✔
System Storage TS2360 Ultrium 6 [1] [2]	IBM^^^^^ULT3580-TD6	Fibre Channel	LTO	✔	✔
System Storage TS2360 Ultrium 6 [1] [2]	IBM^^^^^ULT3580-TD6	SAS	LTO	✔	✔
System Storage TS2370 Ultrium 7 [1] [2] [5]	IBM^^^^^ULT3580-TD7	Fibre Channel	LTO	✔	✔
TotalStorage 3580 Ultrium 1	IBM^^^^^ULT3580-TD1	SCSI	LTO	✔	✔
TotalStorage 3580 Ultrium 2	IBM^^^^^ULT3580-TD2	Fibre Channel	LTO	✔	✔
TotalStorage 3580 Ultrium 2 [6]	IBM^^^^^ULT3580-TD2	SCSI	LTO	✔	✔
TotalStorage 3580 Ultrium 3 [7]	IBM^^^^^ULT3580-TD3	Fibre Channel	LTO	✔	✔
TotalStorage 3580 Ultrium 3 [7]	IBM^^^^^ULT3580-TD3	SCSI	LTO	✔	✔
Ultrium 1	IBM^^^^^ULTRIUM-TD1	SCSI	LTO	✔	✔
Ultrium 2	IBM^^^^^ULTRIUM-TD2	Fibre Channel	LTO	✔	✔

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IBM

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
Ultrium 2	IBM^^^^^ULTRIUM-TD2	SCSI	LTO	✔	✔
Ultrium 3 Half Height [7]	IBM^^^^^ULTRIUM-HH3	SAS	LTO	✔	✔
Ultrium 3 Half Height [7]	IBM^^^^^ULTRIUM-HH3	SCSI	LTO	✔	✔
Ultrium 3 [7]	IBM^^^^^ULTRIUM-TD3	Fibre Channel	LTO	✔	✔
Ultrium 3 [7]	IBM^^^^^ULTRIUM-TD3	SCSI	LTO	✔	✔
Ultrium 4 (U160) [1]	IBM^^^^^ULTRIUM-TD4	SCSI	LTO	✔	✔
Ultrium 4 (U320) [1] [2]	IBM^^^^^ULTRIUM-TD4	SCSI	LTO	✔	✔
Ultrium 4 Half Height (U320) [1] [2]	IBM^^^^^ULTRIUM-HH4	SCSI	LTO	✔	✔
Ultrium 4 Half Height [1] [2]	IBM^^^^^ULTRIUM-HH4	Fibre Channel	LTO	✔	✔
Ultrium 4 Half Height [1] [2]	IBM^^^^^ULTRIUM-HH4	SAS	LTO	✔	✔
Ultrium 4 [1] [2]	IBM^^^^^ULTRIUM-TD4	Fibre Channel	LTO	✔	✔
Ultrium 4 [1] [2]	IBM^^^^^ULTRIUM-TD4	SAS	LTO	✔	✔
Ultrium 5 Half Height [1] [2]	IBM^^^^^ULTRIUM-HH5	Fibre Channel	LTO	✔	✔
Ultrium 5 Half Height [1] [2]	IBM^^^^^ULTRIUM-HH5	SAS	LTO	✔	✔
Ultrium 5 [1] [2]	IBM^^^^^ULTRIUM-TD5	Fibre Channel	LTO	✔	✔
Ultrium 5 [1] [2]	IBM^^^^^ULTRIUM-TD5	SAS	LTO	✔	✔
Ultrium 6 Half Height [1] [2]	IBM^^^^^ULTRIUM-HH6	Fibre Channel	LTO	✔	✔
Ultrium 6 Half Height [1] [2]	IBM^^^^^ULTRIUM-HH6	SAS	LTO	✔	✔
Ultrium 6 [1] [2]	IBM^^^^^ULTRIUM-TD6	Fibre Channel	LTO	✔	✔
Ultrium 6 [1] [2]	IBM^^^^^ULTRIUM-TD6	SAS	LTO	✔	✔
Ultrium 7 Half Height [1] [2] [5]	IBM^^^^^ULTRIUM-HH7	Fibre Channel	LTO	✔	✔
Ultrium 7 Half Height [1] [2] [5]	IBM^^^^^ULTRIUM-HH7	SAS	LTO	✔	✔
Ultrium 7 [1] [2] [5]	IBM^^^^^ULTRIUM-TD7	Fibre Channel	LTO	✔	✔

1. WORM tape is supported with this drive.
2. T10 Hardware Encryption is supported.
3. Capacity and compression reporting is not currently supported for this device.

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4. WORM tape is not supported with this drive.

5. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

6. IBM Part Number 59P6744

7. WORM tape is supported with initial firmware level 5480

Imation

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
LR1100 LTO 1U Storage Enclosure	varies	SAS		✔	✔
Ultrium 4 Half Height [1] [2]	IBM^^^^^ULTRIUM-HH4	SAS	LTO	✔	✔
Ultrium 5 Half Height [1] [2]	IBM^^^^^ULTRIUM-HH5	SAS	LTO	✔	✔

1. WORM tape is supported with this drive.

2. T10 Hardware Encryption is supported.

Oracle

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
StorageTek T10000D [1]	STK^^^^^T10000D	Fibre Channel	half inch	✔	✔

1. WORM tape is supported with this drive.

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Quantum

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
DAT 72 USB [1] [2] [3]	QUANTUM^DAT^^^^DAT72	SATA	4mm	✔	
DAT 72 [3]	QUANTUM^DAT^^^^DAT72	SATA	4mm	✔	
DAT 72 [3]	QUANTUM^DAT^^^^DAT72	SCSI	4mm	✔	
DAT 160 [4]	QUANTUM^DAT^^^DAT160	SAS	4mm	✔	
DAT 160 [4]	QUANTUM^DAT^^^DAT160	SCSI	4mm	✔	✔
DAT 160 [1] [4]	QUANTUM^DAT^^^DAT160	USB 2.0	4mm	✔	
DAT 320 [1] [5]	QUANTUM^DAT^^^DAT320-000	USB 2.0	4mm	✔	
DLT-S4 [4]	QUANTUM^DLT-S4	Fibre Channel	DLT	✔	✔
DLT-S4 [4]	QUANTUM^DLT-S4	SCSI	DLT	✔	✔
DLT-V4 [1] [4] [6]	QUANTUM^DLT-V4	SATA	DLT	✔	
DLT-V4 [4]	QUANTUM^DLT-V4	SCSI	DLT	✔	✔
DLT VS160	QUANTUM^DLT^VS160	SCSI	DLT	✔	✔
LTO-2 HH [3]	CERTANCEULTRIUM^2	SCSI	LTO	✔	✔
LTO-3 HH [4]	QUANTUM^ULTRIUM^3	Fibre Channel	LTO	✔	✔
LTO-3 HH [4]	QUANTUM^ULTRIUM^3	SAS	LTO	✔	✔
LTO-3 HH [7]	QUANTUM^ULTRIUM^3	SCSI	LTO	✔	✔
LTO-4 HH [4] [5]	QUANTUM^ULTRIUM^4	SAS	LTO	✔	✔
LTO-4 HH [4] [5]	QUANTUM^ULTRIUM^4	SCSI	LTO	✔	✔
LTO-5 FH [4] [5]	QUANTUM^ULTRIUM^5	SAS	LTO	✔	✔
LTO-5 HH [4] [5]	QUANTUM^ULTRIUM^5	SAS	LTO	✔	✔
LTO-6 HH [4] [5]	QUANTUM^ULTRIUM^6	SAS	LTO	✔	✔
SDLT 320 [3]	QUANTUM^SDLT320	SCSI	DLT	✔	✔
SDLT 600 [3] [4]	QUANTUM^SDLT600	SCSI	DLT	✔	✔
Ultrium 4 HH [4] [5]	QUANTUM^ULTRIUM-HH4	SAS	LTO	✔	✔
Ultrium 5 HH [4] [5]	QUANTUM^ULTRIUM-HH5	SAS	LTO	✔	✔

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Quantum

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
Ultrium 6 HH [4] [5]	QUANTUM^ULTRIUM-HH6	SAS	LTO	✔	✔
Ultrium 7 HH [4] [5] [8]	QUANTUM^ULTRIUM-HH7	SAS	LTO	✔	✔

1. For all USB tape drives, the vendor's device driver must be loaded prior to starting Backup Exec.

2. Requires a SATA-to-USB Adapter provided by Quantum.

3. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

4. WORM tape is supported with this drive.

5. T10 Hardware Encryption is supported.

6. This SATA device is sold with a USB interface option. This option is a Quantum-supplied SATA~USB converter internal to the server. If used, the device appears as a USB tape drive to the OS, thus requiring a QUANTUM-supplied USB tape driver. Any escalations related to the use of the Quantum-supplied driver and/or USB/SATA converter should be handled by Quantum Technical Support.

7. WORM tape is supported with initial firmware level 1896

8. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

StorageTek

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
T9840C	STK^^^^^T9840C	Fibre Channel	half inch	✔	✔
T10000A 4GB	STK^^^^^T10000A	Fibre Channel	half inch	✔	✔
T10000B	STK^^^^^T10000B	Fibre Channel	half inch	✔	✔
T10000C	STK^^^^^T10000C	Fibre Channel	half inch	✔	✔

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Sun

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
LTO3 HH	HP^^^^^^Ultrium^3-SCSI	SAS	LTO	✔	✔
LTO3 HH	HP^^^^^^Ultrium^3-SCSI	SCSI	LTO	✔	✔
LTO4 HH	HP^^^^^^Ultrium^4-SCSI	SAS	LTO	✔	✔
LTO4 HH	HP^^^^^^Ultrium^4-SCSI	SCSI	LTO	✔	✔

Tandberg

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
240LTO	IBM^^^^^ULTRIUM-TD1	SCSI	LTO	✔	✔
440LTO	IBM^^^^^ULTRIUM-TD2	SCSI	LTO	✔	✔
840LTO	IBM^^^^^ULTRIUM-TD3	SCSI	LTO	✔	✔
1640LTO [1]	IBM^^^^^ULTRIUM-TD4	SAS	LTO	✔	✔
1640LTO [1]	IBM^^^^^ULTRIUM-TD4	SCSI	LTO	✔	✔
DAT 72	HP^^^^^^C7438A	SCSI	4mm	✔	✔
DAT 72 [2]	HP^^^^^^C7438A	USB 2.0	4mm	✔	
DAT 160 [1]	HP^^^^^^DAT160	SCSI	4mm	✔	✔
DAT 160 [1] [2]	HP^^^^^^DAT160	USB 2.0	4mm	✔	
DAT 320 [1] [3]	HP^^^^^^DAT320	SAS	4mm	✔	✔
DAT 320 [1] [2] [3]	HP^^^^^^DAT320	USB 2.0	4mm	✔	
HH LTO 2	TANDBERGLTO-2^HH	SAS	LTO	✔	✔
HH LTO 2	TANDBERGLTO-2^HH	SCSI	LTO	✔	✔
HH LTO 3 [1]	TANDBERGLTO-3^HH	SAS	LTO	✔	✔
HH LTO 3 [1]	TANDBERGLTO-3^HH	SCSI	LTO	✔	✔
HH LTO 4 [1] [3]	TANDBERGLTO-4^HH	SAS	LTO	✔	✔

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Tandberg

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
HH LTO 4 [1] [3]	TANDBERGLTO-4^HH	SCSI	LTO	✔	✔
HH LTO 5 [1] [3]	TANDBERGLTO-5^HH	Fibre Channel	LTO	✔	✔
HH LTO 5 [1] [3]	TANDBERGLTO-5^HH	SAS	LTO	✔	✔
HH LTO 6 [1] [3]	TANDBERGLTO-6^HH	Fibre Channel	LTO	✔	✔
HH LTO 6 [1] [3]	TANDBERGLTO-6^HH	SAS	LTO	✔	✔

1. WORM tape is supported with this drive.
2. For all USB tape drives, the vendor's device driver must be loaded prior to starting Backup Exec for Windows Servers.
3. T10 Hardware Encryption is supported.

UNITEX

Device	Inquiry String	Drive Interface	Media	WinBES	RMAL
LT40 USB [1] [2]	IBM^^^^^HH^LTO^Gen^4	USB	LTO	✔	
LT50 USB [1] [2]	IBM^^^^^HH^LTO^Gen^5	USB	LTO	✔	
LT60 USB [1] [2]	IBM^^^^^HH^LTO^Gen^6	USB	LTO	✔	

1. Backup Exec Simplified Disaster Recovery (SDR) is not supported.
2. T10 Hardware Encryption is supported.

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Tape Libraries with Drives

The library support information is listed below. This information is organized by vendor manufacturer/model, inquiry string (vendor ID + product ID), the interface of the library, and any other important notes or information relevant to the hardware and its compatibility.

Partitioning a library using the library management for sharing between applications and/or servers is a hardware specific feature available in certain library storage systems. Customers using this hardware feature with Backup Exec are supported, but due the variations in design and implementation, technical support is provided in a "reasonable effort" basis only. This means that Veritas Technical Support will work with customers to resolve issues associated only with the Backup Exec portion of the shared configurations, and any issues that cannot be duplicated outside of the shared environment will be the responsibility of the OEM hardware vendor to support.

Please Note:

1. This listing is for library support and the tape drive it was tested with. If a tape library is configured with a drive other than that listed, it has not been tested and will not be supported.

2. Tested iSCSI versions of tape libraries are listed in the "iSCSI Solutions" section, under the "SAN Infrastructure components" bookmark. Please reference the limitations listed in that section.

3. The "ULTRIUM-TD" and the "ULT3580-TD" inquiry strings are interchangeable (both are supported), unless otherwise indicated. The "ULTRIUM-HH" and the "ULT3580-HH" inquiry strings are interchangeable (both are supported), unless otherwise indicated.

4. Unless specifically stated in technote article <https://www.veritas.com/content/support/en_US/article.100019307> , tape libraries or tape drives attached to a RAID controller are not supported.

5. Libraries or drives with an interface column of "SCSI" require an interface card or bridge to establish a connection to an FC switch. Please see the "SAN Infrastructure components/Fibre Channel Infrastructure/Bridges and Routers" section for supported devices.

6. Please refer to the stand-alone tape drive section (above) and look under the **drive manufacturer** to determine WORM or hardware encryption support status.

Tape Library Legend

Value	Meaning
^	Character used to denote a space in the INQUIRY STRING.
✔	Character used to denote support for the item listed in the column.
WinBES	The listed device is supported in a Windows Backup Exec Server platform. Shareability is determined by the ESO column. See the SCL (<http://www.backupexec.com/compatibility>) for supported Backup Exec Server Operating System platforms.

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Tape Library Legend

Value	Meaning
RMAL	The listed device is supported in a Remote Media Agent for Linux platform. Shareability is determined by the ESO column. See the SCL (<http://www.backupexec.com/compatibility>) for supported Remote Media Agent for Linux platforms.
NDMP	The listed device is supported for use with NDMP. See the "NDMP Option" section for platform specific details. Shareability is determined by the ESO column.
ESO	The listed device is supported by the Enterprise Server Option using Fibre Channel. ESO refers to WinBES, and optionally RMAL or NDMP.

Contents

actidata | ADIC | BDT
Dell EMC | Fujitsu | Hewlett Packard Enterprise
IBM | Imation | NEC
Oracle | Overland Storage | PivotStor
Qualstar | Quantum | Spectra Logic
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Tape Library Families

actidata

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
actiLib series	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
actiLib series	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
actiLib series	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔

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actidata

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
actiLib series	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
actiLib series	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^3-SCSI	✔	✔		
actiLib series	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔		
actiLib series	SAS	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔		
actiLib series	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^5-SCSI	✔	✔		
actiLib series	SAS	Hewlett Packard Enterprise	Ultrium 3280 LTO5	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^5-SCSI	✔	✔		
actiLib series	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
actiLib series	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
actiLib series	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
actiLib series	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
actiLib series	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	

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ADIC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Scalar 24 LUN [1]	Fibre Channel	IBM	Ultrium 3	Fibre Channel	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
Scalar 24 LUN [1]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
Scalar 24 LUN [1]	SCSI	IBM	Ultrium 3	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
Scalar 24 [1]	Fibre Channel	IBM	Ultrium 3	Fibre Channel	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
Scalar 24 [1]	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULT3580-TD2	✔	✔	✔	
Scalar 24 [1]	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULT3580-TD3	✔	✔	✔	
Scalar 24 [1]	SCSI	IBM	Ultrium 2	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
Scalar 24 [1]	SCSI	IBM	Ultrium 4 (U160)	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
Scalar i500	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	ADIC^^^^Scalar^i500 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
Scalar i500	Fibre Channel	IBM	Ultrium 3	Fibre Channel	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
Scalar i500 [2]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
Scalar i500 [2]	SAS	IBM	Ultrium 4	SAS	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD4	✔	✔		
Scalar i500	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	ADIC^^^^Scalar^i500 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
Scalar i500	SCSI	IBM	Ultrium 3	SCSI	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
Scalar i500 [2]	SCSI	IBM	Ultrium 4 (U160)	SCSI	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	

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ADIC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Scalar i2000	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	ADIC^^^^Scalar^i2000 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
Scalar i2000	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	ADIC^^^^Scalar^i2000 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
Scalar i2000	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	ADIC^^^^Scalar^i2000 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
Scalar i2000	Fibre Channel	IBM	Ultrium 3	Fibre Channel	ADIC^^^^Scalar^i2000 IBM^^^^^ULTRIUM-TD3	✔	✔		✔
Scalar i2000 [2]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	ADIC^^^^Scalar^i2000 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
Scalar i2000	Fibre Channel	Quantum	DLT-S4	Fibre Channel	ADIC^^^^Scalar^i2000 QUANTUM^DLT-S4	✔	✔	✔	

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. L1 barcode labels on a cleaning media will cause a cleaning utility job to hang indefinitely. Recommend using L2 (or above) barcode labels for cleaning media.

BDT

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
FlexStor II	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
FlexStor II	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
FlexStor II	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
FlexStor II	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
FlexStor II	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
FlexStor II	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
FlexStor II	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
FlexStor II	Fibre Channel	IBM	Ultrium 5	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
FlexStor II	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
FlexStor II [1]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
FlexStor II	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^3-SCSI	✔	✔		
FlexStor II	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔		
FlexStor II	SAS	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔		
FlexStor II	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^5-SCSI	✔	✔		
FlexStor II	SAS	Hewlett Packard Enterprise	Ultrium 3280 LTO5	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^5-SCSI	✔	✔		
FlexStor II	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^6-SCSI	✔	✔		
FlexStor II	SAS	IBM	Ultrium 5 Half Height	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH5	✔	✔		
FlexStor II	SAS	IBM	Ultrium 5	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-TD5	✔	✔		
FlexStor II	SAS	IBM	Ultrium 6 Half Height	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH6	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
FlexStor II [1]	SAS	IBM	Ultrium 7 Half Height	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH7	✔	✔		
FlexStor II	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
FlexStor II	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
FlexStor II	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
FlexStor II	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
FlexStor II	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
MultiStak	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	BDT^^^^^MULTISTAK HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
MultiStak	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	BDT^^^^^MULTISTAK HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
MultiStak [2]	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
MultiStak [2]	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
MultiStak [1]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
MultiStak	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	BDT^^^^^MULTISTAK HP^^^^^^Ultrium^5-SCSI	✔	✔		
MultiStak	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	BDT^^^^^MULTISTAK HP^^^^^^Ultrium^6-SCSI	✔	✔		
MultiStak [2]	SAS	IBM	Ultrium 5 Half Height	SAS	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH5	✔	✔		
MultiStak [2]	SAS	IBM	Ultrium 6 Half Height	SAS	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH6	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
MultiStak [1]	SAS	IBM	Ultrium 7 Half Height	SAS	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH7	✔	✔		
ThinStorPlus	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	BDT^^^^^ThinStorPlus^AL HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
ThinStorPlus	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	BDT^^^^^ThinStorPlus^AL IBM^^^^^ULT3580-TD2	✔	✔	✔	
ThinStorPlus	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	BDT^^^^^ThinStorPlus^AL IBM^^^^^ULT3580-TD3	✔	✔	✔	
ThinStorPlus SM2	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	BDT^^^^^ThinStorPlus^SM2 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
ThinStorPlus SM2	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	BDT^^^^^ThinStorPlus^SM2 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
ThinStorPlus SM2	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	BDT^^^^^ThinStorPlus^SM2 IBM^^^^^ULT3580-TD3	✔	✔	✔	

1. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

2. Library firmware of 2.00 or higher is recommended.

Dell EMC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
PowerVault 124T	SAS	IBM	Ultrium 3 Half Height	SAS	DELL^^^^PV-124T IBM^^^^^ULTRIUM-HH3	✔	✔		
PowerVault 124T	SAS	IBM	Ultrium 4 Half Height	SAS	DELL^^^^PV-124T IBM^^^^^ULTRIUM-HH4	✔	✔		
PowerVault 124T	SAS	IBM	Ultrium 4	SAS	DELL^^^^PV-124T IBM^^^^^ULTRIUM-TD4	✔	✔		

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Dell EMC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
PowerVault 124T	SAS	IBM	Ultrium 6 Half Height	SAS	DELL^^^^PV-124T IBM^^^^^ULTRIUM-HH6	✔	✔		
PowerVault 124T	SAS	Quantum	LTO-3 HH	SAS	DELL^^^^PV-124T QUANTUM^ULTRIUM^3	✔	✔		
PowerVault 124T	SAS	Quantum	LTO-4 HH	SAS	DELL^^^^PV-124T QUANTUM^ULTRIUM^4	✔	✔		
PowerVault 124T	SAS	Quantum	LTO-5 FH	SAS	DELL^^^^PV-124T QUANTUM^ULTRIUM^5	✔	✔		
PowerVault 124T [1]	SCSI	Certance	CL 400 LTO Ultrium 2	SCSI	DELL^^^^PV-124T CERTANCEULTRIUM^2	✔	✔	✔	✔
PowerVault 124T	SCSI	Dell EMC	PowerVault LTO3-060 (Quantum)	SCSI	DELL^^^^PV-124T QUANTUM^ULTRIUM^3	✔	✔		
PowerVault 124T	SCSI	IBM	Ultrium 3	SCSI	DELL^^^^PV-124T IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
PowerVault 124T	SCSI	Quantum	LTO-3 HH	SCSI	DELL^^^^PV-124T QUANTUM^ULTRIUM^3	✔	✔	✔	
PowerVault 132T [1]	SCSI	Dell EMC	PowerVault 132T LTO	SCSI	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD1	✔	✔	✔	✔
PowerVault 132T [1]	SCSI	Dell EMC	PowerVault 132T LTO2	SCSI	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
PowerVault 132T [1]	SCSI	IBM	Ultrium 3	SCSI	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
PowerVault 132T LUN [1]	Fibre Channel	IBM	Ultrium 2	Fibre Channel	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
PowerVault 132T LUN [1]	Fibre Channel	IBM	Ultrium 3	Fibre Channel	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
PowerVault 160T [1]	Fibre Channel	IBM	TotalStorage 3580 Ultrium 2	Fibre Channel	ADIC^^^^Scalar^i2000 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
PowerVault ML6000 Series (members) [2]	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	ADIC^^^^Scalar^i500 IBM^^^^^ULT3580-TD5	✔	✔	✔	✔

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Dell EMC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
PowerVault ML6000 Series (members)	Fibre Channel	IBM	System Storage TS2360 Ultrium 6	Fibre Channel	ADIC^^^^Scalar^i500 IBM^^^^^ULT3580-TD6	✔	✔	✔	✔
PowerVault ML6000 Series (members) [3]	Fibre Channel	IBM	System Storage TS2370 Ultrium 7	Fibre Channel	ADIC^^^^Scalar^i500 IBM^^^^^ULT3580-TD7	✔	✔	✔	✔
PowerVault ML6000 Series (members)	Fibre Channel	IBM	Ultrium 3	Fibre Channel	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
PowerVault ML6000 Series (members) [4]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
PowerVault ML6000 Series (members)	SAS	IBM	System Storage TS2350 Ultrium 5	SAS	ADIC^^^^Scalar^i500 IBM^^^^^ULT3580-TD5	✔	✔		
PowerVault ML6000 Series (members)	SAS	IBM	System Storage TS2360 Ultrium 6	SAS	ADIC^^^^Scalar^i500 IBM^^^^^ULT3580-TD6	✔	✔		
PowerVault ML6000 Series (members) [4]	SAS	IBM	Ultrium 4	SAS	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD4	✔	✔		
PowerVault ML6000 Series (members)	SCSI	IBM	Ultrium 3	SCSI	ADIC^^^^Scalar^i500 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
PowerVault TL1000	SAS	IBM	System Storage TS2240 Ultrium 4 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH4	✔	✔		
PowerVault TL1000	SAS	IBM	System Storage TS2250 Ultrium 5 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH5	✔	✔		
PowerVault TL1000	SAS	IBM	System Storage TS2260 Ultrium 6 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH6	✔	✔		
PowerVault TL1000 [3]	SAS	IBM	System Storage TS2270 Ultrium 7 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH7	✔	✔		
PowerVault TL2000/TL4000 series (members)	Fibre Channel	IBM	System Storage TS2240 Ultrium 4 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH4	✔	✔	✔	✔
PowerVault TL2000/TL4000 series (members)	Fibre Channel	IBM	System Storage TS2250 Ultrium 5 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH5	✔	✔	✔	✔
PowerVault TL2000/TL4000 series (members)	Fibre Channel	IBM	System Storage TS2260 Ultrium 6 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH6	✔	✔	✔	✔

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Dell EMC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
PowerVault TL2000/TL4000 series (members) [3]	Fibre Channel	IBM	System Storage TS2270 Ultrium 7 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH7	✔	✔	✔	✔
PowerVault TL2000/TL4000 series (members)	Fibre Channel	IBM	System Storage TS2340 Ultrium 4	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD4	✔	✔	✔	✔
PowerVault TL2000/TL4000 series (members)	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
PowerVault TL2000/TL4000 series (members) [5]	SAS	IBM	System Storage TS2230 Ultrium 3 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH3	✔	✔		
PowerVault TL2000/TL4000 series (members)	SAS	IBM	System Storage TS2240 Ultrium 4 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH4	✔	✔		
PowerVault TL2000/TL4000 series (members) [5]	SAS	IBM	System Storage TS2250 Ultrium 5 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH5	✔	✔		✔
PowerVault TL2000/TL4000 series (members)	SAS	IBM	System Storage TS2260 Ultrium 6 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH6	✔	✔		
PowerVault TL2000/TL4000 series (members) [3]	SAS	IBM	System Storage TS2270 Ultrium 7 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH7	✔	✔		
PowerVault TL2000/TL4000 series (members) [5]	SAS	IBM	System Storage TS2340 Ultrium 4	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD4	✔	✔		
PowerVault TL2000/TL4000 series (members) [5]	SAS	IBM	Ultrium 4 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH4	✔	✔		
PowerVault TL2000/TL4000 series (members)	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD3	✔	✔	✔	

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. L1 and L2 barcode labels on a cleaning media will cause a cleaning utility job to hang indefinitely. Recommend using L3 (or above) barcode labels for cleaning media.

3. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

4. L1 barcode labels on a cleaning media will cause a cleaning utility job to hang indefinitely. Recommend using L2 (or above) barcode labels for cleaning media.

5. ESO is only supported with the TL24iSCSIxSAS blade.

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ETERNUS LT20	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ETERNUS LT20	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS LT20	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^3-SCSI	✔	✔		
ETERNUS LT20	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^4-SCSI	✔	✔		
ETERNUS LT20	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^5-SCSI	✔	✔		
ETERNUS LT20/40/60 S2 (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ETERNUS LT20/40/60 S2 (members) [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ETERNUS LT20/40/60 S2 (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS LT20/40/60 S2 (members) [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS LT20/40/60 S2 (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
ETERNUS LT20/40/60 S2 (members)	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	FUJITSU^ETERNUS^LT^S2 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
ETERNUS LT20/40/60 S2 (members) [2]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	FUJITSU^ETERNUS^LT^S2 IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
ETERNUS LT20/40/60 S2 (members)	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^3-SCSI	✔	✔		
ETERNUS LT20/40/60 S2 (members)	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ETERNUS LT20/40/60 S2 (members) [1]	SAS	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SAS	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔		
ETERNUS LT20/40/60 S2 (members)	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔		
ETERNUS LT20/40/60 S2 (members) [1]	SAS	Hewlett Packard Enterprise	Ultrium 3280 LTO5	SAS	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔		
ETERNUS LT20/40/60 S2 (members)	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	FUJITSU^ETERNUS^LT^S2 HP^^^^^^Ultrium^6-SCSI	✔	✔		
ETERNUS LT20/40/60 S2 (members)	SAS	IBM	Ultrium 6 Half Height	SAS	FUJITSU^ETERNUS^LT^S2 IBM^^^^^ULTRIUM-HH6	✔	✔		
ETERNUS LT20/40/60 S2 (members) [2]	SAS	IBM	Ultrium 7 Half Height	SAS	FUJITSU^ETERNUS^LT^S2 IBM^^^^^ULTRIUM-HH7	✔	✔		
ETERNUS LT40	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ETERNUS LT40	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ETERNUS LT40	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS LT40	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS LT40	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^3-SCSI	✔	✔		
ETERNUS LT40	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔		
ETERNUS LT40	SAS	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SAS	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔		
ETERNUS LT40	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔		
ETERNUS LT40	SAS	Hewlett Packard Enterprise	Ultrium 3280 LTO5	SAS	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ETERNUS LT60	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ETERNUS LT60	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ETERNUS LT60	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS LT60	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS LT60	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^3-SCSI	✔	✔		
ETERNUS LT60	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔		
ETERNUS LT60	SAS	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SAS	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔		
ETERNUS LT60	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔		
ETERNUS LT60	SAS	Hewlett Packard Enterprise	Ultrium 3280 LTO5	SAS	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^5-SCSI	✔	✔		
ETERNUS LT210 (T16A2)	SAS	IBM	System Storage TS2230 Ultrium 3 Half Height	SAS	NEC^^^^^T16A2 IBM^^^^^ULT3580-HH3	✔	✔		
ETERNUS LT210 (T16A2)	SCSI	IBM	System Storage TS2230 Ultrium 3 Half Height	SCSI	NEC^^^^^T16A2 IBM^^^^^ULT3580-HH3	✔	✔		
ETERNUS LT210 (T16A2)	SCSI	IBM	Ultrium 4 (U160)	SCSI	NEC^^^^^T16A2 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
ETERNUS LT220 (T16A)	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	NEC^^^^^T16A IBM^^^^^ULT3580-TD3	✔	✔	✔	
ETERNUS LT220 (T16A2)	SCSI	IBM	System Storage TS2230 Ultrium 3 Half Height	SCSI	NEC^^^^^T16A2 IBM^^^^^ULT3580-HH3	✔	✔		
ETERNUS LT220 (T16A2)	SCSI	IBM	Ultrium 4 (U160)	SCSI	NEC^^^^^T16A2 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	

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Fujitsu

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ETERNUS LT230 (T40A)	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	NEC^^^^^T40A IBM^^^^^ULT3580-TD3	✔	✔	✔	
ETERNUS LT230 (T40A2)	Fibre Channel	IBM	Ultrium 3	Fibre Channel	NEC^^^^^T40A2 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
ETERNUS LT230 (T40A2)	Fibre Channel	IBM	Ultrium 4	Fibre Channel	NEC^^^^^T40A2 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
ETERNUS LT230 (T40A2)	SCSI	IBM	Ultrium 3	SCSI	NEC^^^^^T40A2 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
ETERNUS LT250	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	FUJITSU^NML7A HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
ETERNUS LT250	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	FUJITSU^NML7A IBM^^^^^ULT3580-TD5	✔	✔	✔	✔
ETERNUS LT250	Fibre Channel	IBM	Ultrium 3	Fibre Channel	FUJITSU^NML7A IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
ETERNUS LT250	Fibre Channel	IBM	Ultrium 4	Fibre Channel	FUJITSU^NML7A IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
ETERNUS LT250	Fibre Channel	IBM	Ultrium 6	Fibre Channel	FUJITSU^NML7A IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
ETERNUS LT250	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	FUJITSU^NML7A HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
ETERNUS LT250	SCSI	IBM	Ultrium 3	SCSI	FUJITSU^NML7A IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
ETERNUS LT260	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	FUJITSU^ETERNUS^LT260 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ETERNUS LT260	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	FUJITSU^ETERNUS^LT260 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
ETERNUS LT260	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	FUJITSU^ETERNUS^LT260 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
ETERNUS LT260 [2]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	FUJITSU^ETERNUS^LT260 IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ETERNUS LT260	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	FUJITSU^ETERNUS^LT260 HP^^^^^^Ultrium^5-SCSI	✔	✔		
ETERNUS LT260	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	FUJITSU^ETERNUS^LT260 HP^^^^^^Ultrium^6-SCSI	✔	✔		
ETERNUS LT260	SAS	IBM	Ultrium 6 Half Height	SAS	FUJITSU^ETERNUS^LT260 IBM^^^^^ULTRIUM-HH6	✔	✔		
ETERNUS LT260 [2]	SAS	IBM	Ultrium 7 Half Height	SAS	FUJITSU^ETERNUS^LT260 IBM^^^^^ULTRIUM-HH7	✔	✔		
ETERNUS LT270 S2	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6650 LTO6	Fibre Channel	ETERNUS^LT270S2 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
ETERNUS LT270 S2	Fibre Channel	IBM	Ultrium 4	Fibre Channel	ETERNUS^LT270S2 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
ETERNUS LT270 S2	Fibre Channel	IBM	Ultrium 5	Fibre Channel	ETERNUS^LT270S2 IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
ETERNUS LT270 S2	Fibre Channel	IBM	Ultrium 6	Fibre Channel	ETERNUS^LT270S2 IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
ETERNUS LT270	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	FUJITSU^NML10A HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
ETERNUS LT270	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	FUJITSU^NML10A IBM^^^^^ULT3580-TD5	✔	✔	✔	✔
ETERNUS LT270	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	FUJITSU^NML10A IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
ETERNUS LT270	Fibre Channel	IBM	Ultrium 4	Fibre Channel	FUJITSU^NML10A IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
FibreCAT TX08	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
FibreCAT TX08	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^3-SCSI	✔	✔		
FibreCAT TX08	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^4-SCSI	✔	✔		

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Fujitsu

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
FibreCAT TX08	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
FibreCAT TX08	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	FSC^^^^^FibreCAT^TX08 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
FibreCAT TX24 S2	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
FibreCAT TX24 S2	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^3-SCSI	✔	✔		
FibreCAT TX24 S2	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	FSC^^^^^FibreCAT-TX24^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔		
FibreCAT TX24	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	FSC^^^^^FibreCAT^TX24 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
FibreCAT TX24	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	FSC^^^^^FibreCAT^TX24 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
FibreCAT TX24	SCSI	IBM	Ultrium 3	SCSI	FSC^^^^^FibreCAT^TX24 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
FibreCAT TX48 S2	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
FibreCAT TX48 S2	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^3-SCSI	✔	✔		
FibreCAT TX48 S2	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	FSC^^^^^FibreCAT-TX48^S2 HP^^^^^^Ultrium^4-SCSI	✔	✔		
FibreCAT TX48	Fibre Channel	IBM	Ultrium 3	Fibre Channel	FSC^^^^^FibreCAT^TX48 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
FibreCAT TX48	Fibre Channel	IBM	Ultrium 4	Fibre Channel	FSC^^^^^FibreCAT^TX48 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
FibreCAT TX48	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	FSC^^^^^FibreCAT^TX48 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
FibreCAT TX48	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	FSC^^^^^FibreCAT^TX48 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	

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Fujitsu

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
FibreCAT TX48	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	FSC^^^^^FibreCAT^TX48 IBM^^^^^ULT3580-TD3	✔	✔	✔	

1. The ETERNUS LT20 only supports half height drives. The drive referenced in this row is a full height drive.

2. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

Hewlett Packard Enterprise

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
1/8 G2 Tape Autoloader	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
1/8 G2 Tape Autoloader	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
1/8 G2 Tape Autoloader [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 15000 LTO7	Fibre Channel	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^7-SCSI	✔	✔	✔	✔
1/8 G2 Tape Autoloader [2]	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^3-SCSI	✔	✔		
1/8 G2 Tape Autoloader [2]	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^4-SCSI	✔	✔		
1/8 G2 Tape Autoloader [2]	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^5-SCSI	✔	✔		

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Hewlett Packard Enterprise

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
1/8 G2 Tape Autoloader [2]	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^6-SCSI	✔	✔		
1/8 G2 Tape Autoloader [1] [2]	SAS	Hewlett Packard Enterprise	Ultrium 15000 LTO7	SAS	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^7-SCSI	✔	✔		
1/8 G2 Tape Autoloader [2]	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
1/8 G2 Tape Autoloader [2]	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
1/8 G2 Tape Autoloader [2]	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	HP^^^^^^1x8^G2^AUTOLDR HP^^^^^^Ultrium^4-SCSI	✔	✔		
DAT 72x10	SCSI	Hewlett Packard Enterprise	DAT 72	SCSI	HP^^^^^^DAT^Autoloader HP^^^^^^C7438A	✔			
EML E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	HP^^^^^^EML^E-Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
EML E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	HP^^^^^^EML^E-Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
EML E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	HP^^^^^^EML^E-Series HP^^^^^^Ultrium^5-SCSI	✔	✔		✔
EML E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6650 LTO6	Fibre Channel	HP^^^^^^EML^E-Series HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔

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Hewlett Packard Enterprise

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ESL E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	HP^^^^^^ESL^E-Series HP^^^^^^Ultrium^2-SCSI	✔	✔		✔
ESL E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	HP^^^^^^ESL^E-Series HP^^^^^^Ultrium^2-SCSI	✔	✔		✔
ESL E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	HP^^^^^^ESL^E-Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
ESL E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	HP^^^^^^ESL^E-Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
ESL E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	HP^^^^^^ESL^E-Series HP^^^^^^Ultrium^5-SCSI	✔	✔		✔
ESL E-Series (members)	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	HP^^^^^^ESL^E-Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
ESL G3	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	HP^^^^^^ESL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
ESL G3	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	HP^^^^^^ESL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
ESL G3	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6650 LTO6	Fibre Channel	HP^^^^^^ESL^G3^Series HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
ESL G3 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 15750 LTO7	Fibre Channel	HP^^^^^^ESL^G3^Series HP^^^^^^Ultrium^7-SCSI	✔	✔	✔	✔

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Hewlett Packard Enterprise

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
MSL2024/4048/8048/8096 (G3 series) (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
MSL2024/4048/8048/8096 (G3 series) (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
MSL2024/4048/8048/8096 (G3 series) (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
MSL2024/4048/8048/8096 (G3 series) (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
MSL2024/4048/8048/8096 (G3 series) (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
MSL2024/4048/8048/8096 (G3 series) (members) [1] [3]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 15000 LTO7	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^7-SCSI	✔	✔	✔	✔
MSL2024/4048/8048/8096 (G3 series) (members)	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
MSL2024/4048/8048/8096 (G3 series) (members)	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔		✔
MSL2024/4048/8048/8096 (G3 series) (members)	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔		
MSL2024/4048/8048/8096 (G3 series) (members)	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^6-SCSI	✔	✔		

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Hewlett Packard Enterprise

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
MSL2024/4048/8048/8096 (G3 series) (members) [1] [3]	SAS	Hewlett Packard Enterprise	Ultrium 15000 LTO7	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^7-SCSI	✔	✔		
MSL2024/4048/8048/8096 (G3 series) (members)	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
MSL2024/4048/8048/8096 (G3 series) (members)	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
MSL2024/4048/8048/8096 (G3 series) (members)	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
MSL2024/4048/8048/8096 (G3 series) (members)	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
MSL2024/4048/8048/8096 (G3 series) (members)	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
MSL2024/4048/8048/8096 (G3 series) (members)	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
MSL6000 Series (members) [4]	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	HP^^^^^^MSL6000^Series HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
MSL6000 Series (members) [4]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	HP^^^^^^MSL6000^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
MSL6000 Series (members) [4]	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	HP^^^^^^MSL6000^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔

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Hewlett Packard Enterprise

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
MSL6480	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	HP^^^^^^MSL6480 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
MSL6480	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	HP^^^^^^MSL6480 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
MSL6480 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 15000 LTO7	Fibre Channel	HP^^^^^^MSL6480 HP^^^^^^Ultrium^7-SCSI	✔	✔	✔	✔
MSL6480	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	HP^^^^^^MSL6480 HP^^^^^^Ultrium^5-SCSI	✔	✔		
MSL6480	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	HP^^^^^^MSL6480 HP^^^^^^Ultrium^6-SCSI	✔	✔		
MSL6480 [1]	SAS	Hewlett Packard Enterprise	Ultrium 15000 LTO7	SAS	HP^^^^^^MSL6480 HP^^^^^^Ultrium^7-SCSI	✔	✔		

1. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

2. Minimum firmware level of 1.20 is required.

3. LTO7 is not supported on MSL8096 & MSL8048

4. This library is often used with an HPE bridge in an FC environment.

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IBM

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
33614LX [1]	Fibre Channel	IBM	Ultrium 3	Fibre Channel	IBM^^^^^33614LX IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
33614LX [1]	SCSI	IBM	Ultrium 3	SCSI	IBM^^^^^33614LX IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
33622LX [1]	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	IBM^^^^^33622LX IBM^^^^^ULT3580-TD3	✔	✔	✔	
System Storage TS2900 (Machine Type 3572)	SAS	IBM	System Storage TS2230 Ultrium 3 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH3	✔	✔		
System Storage TS2900 (Machine Type 3572)	SAS	IBM	System Storage TS2240 Ultrium 4 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH4	✔	✔		
System Storage TS2900 (Machine Type 3572) [2]	SAS	IBM	System Storage TS2250 Ultrium 5 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH5	✔	✔		
System Storage TS2900 (Machine Type 3572)	SAS	IBM	System Storage TS2260 Ultrium 6 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH6	✔	✔		
System Storage TS2900 (Machine Type 3572) [3]	SAS	IBM	System Storage TS2270 Ultrium 7 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULT3580-HH7	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	Fibre Channel	IBM	System Storage TS2240 Ultrium 4 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH4	✔	✔	✔	✔
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	Fibre Channel	IBM	System Storage TS2250 Ultrium 5 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH5	✔	✔	✔	✔
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	Fibre Channel	IBM	System Storage TS2260 Ultrium 6 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH6	✔	✔	✔	✔
System Storage TS3100/TS3200 (Machine Type 3573) (members) [3] [4]	Fibre Channel	IBM	System Storage TS2270 Ultrium 7 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH7	✔	✔	✔	✔
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	Fibre Channel	IBM	System Storage TS2340 Ultrium 4	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD4	✔	✔	✔	✔
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD5	✔	✔	✔	✔
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	Fibre Channel	IBM	System Storage TS2360 Ultrium 6	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD6	✔	✔	✔	✔

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IBM

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SAS	IBM	System Storage TS2230 Ultrium 3 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH3	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SAS	IBM	System Storage TS2240 Ultrium 4 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH4	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SAS	IBM	System Storage TS2250 Ultrium 5 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH5	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SAS	IBM	System Storage TS2260 Ultrium 6 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH6	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [3] [4]	SAS	IBM	System Storage TS2270 Ultrium 7 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH7	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SAS	IBM	System Storage TS2340 Ultrium 4	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD4	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SAS	IBM	System Storage TS2350 Ultrium 5	SAS	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD5	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SCSI	IBM	System Storage TS2230 Ultrium 3 Half Height	SCSI	IBM^^^^^3573-TL IBM^^^^^ULT3580-HH3	✔	✔		
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SCSI	IBM	System Storage TS2340 Ultrium 4	SCSI	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD4	✔	✔	✔	
System Storage TS3100/TS3200 (Machine Type 3573) (members) [4]	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	IBM^^^^^3573-TL IBM^^^^^ULT3580-TD3	✔	✔	✔	
System Storage TS3310 (Machine Type 3576) [5]	Fibre Channel	IBM	System Storage TS2340 Ultrium 4	Fibre Channel	IBM^^^^^3576-MTL IBM^^^^^ULT3580-TD4	✔	✔	✔	✔
System Storage TS3310 (Machine Type 3576) [6]	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	IBM^^^^^3576-MTL IBM^^^^^ULT3580-TD5	✔	✔	✔	✔
System Storage TS3310 (Machine Type 3576)	Fibre Channel	IBM	System Storage TS2360 Ultrium 6	Fibre Channel	IBM^^^^^3576-MTL IBM^^^^^ULT3580-TD6	✔	✔	✔	✔
System Storage TS3310 (Machine Type 3576) [3]	Fibre Channel	IBM	System Storage TS2370 Ultrium 7	Fibre Channel	IBM^^^^^3576-MTL IBM^^^^^ULT3580-TD7	✔	✔	✔	✔

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IBM

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
System Storage TS3310 (Machine Type 3576)	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	IBM^^^^^3576-MTL IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
System Storage TS3310 (Machine Type 3576) [5]	SAS	IBM	System Storage TS2340 Ultrium 4	SAS	IBM^^^^^3576-MTL IBM^^^^^ULT3580-TD4	✔	✔		
System Storage TS3310 (Machine Type 3576)	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	IBM^^^^^3576-MTL IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584)	Fibre Channel	IBM	System Storage TS1030 (3588 Model F3B) Ultrium 3	Fibre Channel	IBM^^^^^03584 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584) [7] [8] [9]	Fibre Channel	IBM	System Storage TS1140 (3592 Model E07)	Fibre Channel	IBM^^^^^03584 IBM^^^^^03592E07	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584) [10] [7] [8]	Fibre Channel	IBM	System Storage TS1150 (3592 Model E08)	Fibre Channel	IBM^^^^^03584 IBM^^^^^03592E08	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584)	Fibre Channel	IBM	System Storage TS2340 Ultrium 4	Fibre Channel	IBM^^^^^03584 IBM^^^^^ULT3580-TD4	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584) [8]	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	IBM^^^^^03584 IBM^^^^^ULT3580-TD5	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584) [8]	Fibre Channel	IBM	System Storage TS2360 Ultrium 6	Fibre Channel	IBM^^^^^03584 IBM^^^^^ULT3580-TD6	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584) [3] [8]	Fibre Channel	IBM	System Storage TS2370 Ultrium 7	Fibre Channel	IBM^^^^^03584 IBM^^^^^ULT3580-TD7	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584)	Fibre Channel	IBM	TotalStorage 3580 Ultrium 2	Fibre Channel	IBM^^^^^03584 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
System Storage TS3500 (Machine Type 3584)	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	IBM^^^^^03584 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. Minimum firmware levels of 0018 are required for the library and B171 for the drive.

3. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

4. IBM markets this under two names, with and without the words "Express Model". They are identical and both are supported.

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5. L1 barcode labels on a cleaning media will cause a cleaning utility job to hang indefinitely. Recommend using L2 (or above) barcode labels for cleaning media.

6. L1 and L2 barcode labels on a cleaning media will cause a cleaning utility job to hang indefinitely. Recommend using L3 (or above) barcode labels for cleaning media.

7. Capacity and compression reporting is not currently supported for this device.

8. Due to IBM ALMS virtualizing the tape slots: the tapes are not in the slot order as they appear in the BE GUI and the cleaning tapes are not visible to BE. Therefore drive cleaning must be done via the library itself.

9. For optimal performance, do not mix generations of 3592 drives in a single logical library. Media problems can result when different drive generations are mixed. Please see <http://www-01.ibm.com/support/docview.wss?uid=swg21570099>

10. For optimal performance, do not mix generations of 3592 drives in a single logical library. Media problems can result when different drive generations are mixed. Please see <http://www-01.ibm.com/support/docview.wss?uid=swg21687064>

Imation

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
L1200 LTO 2U Tape Library	Fibre Channel	IBM	Ultrium 4 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH4	✔	✔	✔	✔
L1200 LTO 2U Tape Library	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
L1200 LTO 2U Tape Library	SAS	IBM	Ultrium 4 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH4	✔	✔		
L1200 LTO 2U Tape Library	SAS	IBM	Ultrium 5 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH5	✔	✔		
L1400 LTO 4U Tape Library	Fibre Channel	IBM	Ultrium 4 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH4	✔	✔	✔	✔
L1400 LTO 4U Tape Library	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
L1400 LTO 4U Tape Library	SAS	IBM	Ultrium 4 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH4	✔	✔		
L1400 LTO 4U Tape Library	SAS	IBM	Ultrium 5 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH5	✔	✔		

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NEC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
LL009F	SAS	IBM	System Storage TS2250 Ultrium 5 Half Height	SAS	NEC^^^^^LL009F IBM^^^^^ULT3580-HH5	✔	✔		
LL009F [1]	SAS	IBM	Ultrium 3 Half Height	SAS	NEC^^^^^LL009F IBM^^^^^ULTRIUM-HH3	✔	✔		
LL009F [1]	SAS	IBM	Ultrium 4 Half Height	SAS	NEC^^^^^LL009F IBM^^^^^ULTRIUM-HH4	✔	✔		
LL009F	SAS	IBM	Ultrium 6 Half Height	SAS	NEC^^^^^LL009F IBM^^^^^ULTRIUM-HH6	✔	✔		
LL009F [2]	SAS	IBM	Ultrium 7 Half Height	SAS	NEC^^^^^LL009F IBM^^^^^ULTRIUM-HH7	✔	✔		
T16A2	SAS	IBM	System Storage TS2240 Ultrium 4 Half Height	SAS	NEC^^^^^T16A2 IBM^^^^^ULT3580-HH4	✔	✔		
T16A2	SAS	IBM	System Storage TS2350 Ultrium 5	SAS	NEC^^^^^T16A2 IBM^^^^^ULT3580-TD5	✔	✔		
T16A2	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	NEC^^^^^T16A2 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
T16A2	SCSI	IBM	System Storage TS2230 Ultrium 3 Half Height	SCSI	NEC^^^^^T16A2 IBM^^^^^ULT3580-HH3	✔	✔		
T16A2	SCSI	IBM	Ultrium 4 (U160)	SCSI	NEC^^^^^T16A2 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
T30A/T60A (members)	Fibre Channel	IBM	Ultrium 4 Half Height	Fibre Channel	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH4	✔	✔	✔	✔
T30A/T60A (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
T30A/T60A (members)	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
T30A/T60A (members) [2]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔

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NEC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
T30A/T60A (members)	SAS	IBM	Ultrium 3 Half Height	SAS	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH3	✔	✔		
T30A/T60A (members)	SAS	IBM	Ultrium 4 Half Height	SAS	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH4	✔	✔		
T30A/T60A (members)	SAS	IBM	Ultrium 5 Half Height	SAS	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH5	✔	✔		
T30A/T60A (members)	SAS	IBM	Ultrium 6 Half Height	SAS	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH6	✔	✔		
T30A/T60A (members) [2]	SAS	IBM	Ultrium 7 Half Height	SAS	NEC^^^^^LL-2B01 IBM^^^^^ULTRIUM-HH7	✔	✔		
T40A2	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	NEC^^^^^T40A2 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
T40A2	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	NEC^^^^^T40A2 IBM^^^^^ULT3580-TD5	✔	✔	✔	✔
T40A2	Fibre Channel	IBM	Ultrium 3	Fibre Channel	NEC^^^^^T40A2 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
T40A2	Fibre Channel	IBM	Ultrium 4	Fibre Channel	NEC^^^^^T40A2 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
T40A2	SAS	IBM	System Storage TS2350 Ultrium 5	SAS	NEC^^^^^T40A2 IBM^^^^^ULT3580-TD5	✔	✔		
T40A2	SAS	IBM	Ultrium 4	SAS	NEC^^^^^T40A2 IBM^^^^^ULTRIUM-TD4	✔	✔		
T40A2	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	NEC^^^^^T40A2 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
T40A2	SCSI	IBM	Ultrium 3	SCSI	NEC^^^^^T40A2 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
T100A	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	FUJITSU^NML7A HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
T100A	Fibre Channel	IBM	Ultrium 4	Fibre Channel	FUJITSU^NML7A IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔

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NEC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
T100A	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	FUJITSU^NML7A HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
T100A2	Fibre Channel	IBM	Ultrium 5	Fibre Channel	FUJITSU^NML7A IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
T100A2	Fibre Channel	IBM	Ultrium 6	Fibre Channel	FUJITSU^NML7A IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
T700A	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	FUJITSU^NML10A HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
T700A	Fibre Channel	IBM	Ultrium 4	Fibre Channel	FUJITSU^NML10A IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
T700A2	Fibre Channel	IBM	Ultrium 5	Fibre Channel	ETERNUS^LT270S2 IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
T700A2	Fibre Channel	IBM	Ultrium 6	Fibre Channel	ETERNUS^LT270S2 IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔

1. T10 Hardware Encryption is supported with library firmware 0002 and above.

2. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

Oracle

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageTek SL150	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	STK^^^^^SL150 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
StorageTek SL150	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	STK^^^^^SL150 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
StorageTek SL150	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	STK^^^^^SL150 IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔

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Oracle

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageTek SL150	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	STK^^^^^SL150 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
StorageTek SL150 [1]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	STK^^^^^SL150 IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
StorageTek SL150	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	STK^^^^^SL150 HP^^^^^^Ultrium^5-SCSI	✔	✔		
StorageTek SL150	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	STK^^^^^SL150 HP^^^^^^Ultrium^6-SCSI	✔	✔		
StorageTek SL150	SAS	IBM	Ultrium 5 Half Height	SAS	STK^^^^^SL150 IBM^^^^^ULTRIUM-HH5	✔	✔		
StorageTek SL150	SAS	IBM	Ultrium 6 Half Height	SAS	STK^^^^^SL150 IBM^^^^^ULTRIUM-HH6	✔	✔		
StorageTek SL150 [1]	SAS	IBM	Ultrium 7 Half Height	SAS	STK^^^^^SL150 IBM^^^^^ULTRIUM-HH7	✔	✔		
StorageTek SL500	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6650 LTO6	Fibre Channel	STK^^^^^SL500 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔

1. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

Overland Storage

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ARCvault series (members) [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	OVERLANDARCvault HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
ARCvault series (members) [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	OVERLANDARCvault HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
ARCvault series (members) [1]	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	OVERLANDARCvault HP^^^^^^Ultrium^4-SCSI	✔	✔		
ARCvault series (members) [1]	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	OVERLANDARCvault HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
ARCvault series (members) [1]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	OVERLANDARCvault HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
ARCvault series (members) [1]	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	OVERLANDARCvault HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
NEO 100s 2nd Generation	SAS	IBM	Ultrium 5 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULTRIUM-HH5	✔	✔		
NEO 100s 2nd Generation	SAS	IBM	Ultrium 6 Half Height	SAS	IBM^^^^^3572-TL IBM^^^^^ULTRIUM-HH6	✔	✔		
NEO E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	OVERLANDNEO^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
NEO E-Series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	OVERLANDNEO^Series HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
NEO E-Series (members)	Fibre Channel	IBM	Ultrium 4	Fibre Channel	OVERLANDNEO^Series IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
NEO E-Series (members)	Fibre Channel	IBM	Ultrium 5	Fibre Channel	OVERLANDNEO^Series IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
NEO E-Series (members)	Fibre Channel	IBM	Ultrium 6	Fibre Channel	OVERLANDNEO^Series IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
NEO E-Series (members) [2]	Fibre Channel	IBM	Ultrium 7	Fibre Channel	OVERLANDNEO^Series IBM^^^^^ULTRIUM-TD7	✔	✔	✔	✔
NEO E-Series (members)	SAS	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SAS	OVERLANDNEO^Series HP^^^^^^Ultrium^4-SCSI	✔	✔		
NEO E-Series (members)	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	OVERLANDNEO^Series HP^^^^^^Ultrium^5-SCSI	✔	✔		
NEO E-Series (members)	SAS	Hewlett Packard Enterprise	Ultrium 3280 LTO5	SAS	OVERLANDNEO^Series HP^^^^^^Ultrium^5-SCSI	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
NEO E-Series (members)	SAS	IBM	Ultrium 4	SAS	OVERLANDNEO^Series IBM^^^^^ULTRIUM-TD4	✔	✔		
NEO E-Series (members)	SAS	IBM	Ultrium 5	SAS	OVERLANDNEO^Series IBM^^^^^ULTRIUM-TD5	✔	✔		
NEO E-Series (members)	SAS	IBM	Ultrium 6	SAS	OVERLANDNEO^Series IBM^^^^^ULTRIUM-TD6	✔	✔		
NEO E-Series (members)	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	OVERLANDNEO^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
NEO E-Series (members)	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	OVERLANDNEO^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
NEO E-Series (members)	SCSI	IBM	Ultrium 4 (U320)	SCSI	OVERLANDNEO^Series IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
NEO series (members) [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	OVERLANDNEO^Series HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
NEO series (members) [1]	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	OVERLANDNEO^Series HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
NEO series (members) [1]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	OVERLANDNEO^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
NEO series (members) [1]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	OVERLANDNEO^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
NEO series (members) [1]	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	OVERLANDNEO^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
NEO series (members) [1]	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	OVERLANDNEO^Series HP^^^^^^Ultrium^4-SCSI	✔	✔		
NEO series (members) [1]	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	OVERLANDNEO^Series IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
NEOs series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
NEOs series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔

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Overland Storage

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
NEOs series (members)	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔		
NEOs series (members)	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔		
NEOs series (members)	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔		
NEOs series (members)	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
NEOs series (members)	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
NEOs series 2nd Generation (members)	Fibre Channel	IBM	Ultrium 4 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH4	✔	✔	✔	✔
NEOs series 2nd Generation (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
NEOs series 2nd Generation (members)	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
NEOs series 2nd Generation (members)	SAS	IBM	Ultrium 4 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH4	✔	✔		
NEOs series 2nd Generation (members)	SAS	IBM	Ultrium 5 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH5	✔	✔		
NEOs series 2nd Generation (members)	SAS	IBM	Ultrium 6 Half Height	SAS	IBM^^^^^3573-TL IBM^^^^^ULTRIUM-HH6	✔	✔		
NEOs series 3rd Generation (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
NEOs series 3rd Generation (members)	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
NEOs series 3rd Generation (members) [2]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
NEOs series 3rd Generation (members)	SAS	IBM	Ultrium 5 Half Height	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH5	✔	✔		

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Overland Storage

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
NEOs series 3rd Generation (members)	SAS	IBM	Ultrium 6 Half Height	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH6	✔	✔		
NEOs series 3rd Generation (members) [2]	SAS	IBM	Ultrium 7 Half Height	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH7	✔	✔		
NEOxl series (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
NEOxl series (members)	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
NEOxl series (members) [2]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
NEOxl series (members)	SAS	IBM	Ultrium 5 Half Height	SAS	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH5	✔	✔		
NEOxl series (members)	SAS	IBM	Ultrium 6 Half Height	SAS	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH6	✔	✔		
NEOxl series (members) [2]	SAS	IBM	Ultrium 7 Half Height	SAS	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH7	✔	✔		

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

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PivotStor

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
AP TL2000 2U	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔		
AP TL2000 2U	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
AP TL4000 4U	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔		
AP TL4000 4U	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
AP TL8000 8U	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔		
AP TL8000 8U	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	BDT^^^^^FlexStor^II HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Q24/Q48 (members) [1]	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
Q24/Q48 (members) [1]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
Q24/Q48 (members) [1]	SAS	IBM	Ultrium 6 Half Height	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH6	✔	✔		
Q24/Q48 (members) [1]	SAS	IBM	Ultrium 7 Half Height	SAS	BDT^^^^^FlexStor^II IBM^^^^^ULTRIUM-HH7	✔	✔		
Q80 [1]	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Q80 [1]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
Q80 [1]	SAS	IBM	Ultrium 6 Half Height	SAS	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH6	✔	✔		
Q80 [1]	SAS	IBM	Ultrium 7 Half Height	SAS	BDT^^^^^MULTISTAK IBM^^^^^ULTRIUM-HH7	✔	✔		
RLS-4000 AIT series (members) [2]	SCSI	Sony	SDX-900V AITi520/S (AIT-4)	SCSI	QUALSTARRLS-4 SONY^^^^SDX-900V	✔	✔	✔	✔
RLS-4000 AIT series (members) [2]	SCSI	Sony	SDX-1100 AITi1040 (AIT-5)	SCSI	QUALSTARRLS-4 SONY^^^^SDX-1100	✔	✔	✔	✔
RLS-8000 LTO series (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	QUALSTARRLS-8 IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
RLS-8000 LTO series (members)	SAS	IBM	Ultrium 5 Half Height	SAS	QUALSTARRLS-8 IBM^^^^^ULTRIUM-HH5	✔	✔		
RLS-8000 LTO series (members) [2]	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	QUALSTARRLS-8 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
RLS-8000 LTO series (members)	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	QUALSTARRLS-8 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
RLS-8000 LTO series (members) [2]	SCSI	IBM	Ultrium 2	Fibre Channel	QUALSTARRLS-8 IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
RLS-8000 LTO series (members) [2]	SCSI	IBM	Ultrium 2	SCSI	QUALSTARRLS-8 IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
RLS-8000D LTO series (members)	Fibre Channel	IBM	Ultrium 4	Fibre Channel	QUALSTARRLS-8 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
RLS-8000D LTO series (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	QUALSTARRLS-8 IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
RLS-8000D LTO series (members) [1]	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	QUALSTARRLS-8 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
RLS-8000D LTO series (members)	SAS	IBM	Ultrium 5 Half Height	SAS	QUALSTARRLS-8 IBM^^^^^ULTRIUM-HH5	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
RLS-8500 LTO series (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	QUALSTARRLS-85 IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
RLS-8500 LTO series (members) [1]	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	QUALSTARRLS-85 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
RLS-8500 LTO series (members) [1]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	QUALSTARRLS-85 IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
RLS-8500 LTO series (members)	SAS	IBM	Ultrium 5 Half Height	SAS	QUALSTARRLS-85 IBM^^^^^ULTRIUM-HH5	✔	✔		
RLS-8500 LTO series (members) [1]	SAS	IBM	Ultrium 6 Half Height	SAS	QUALSTARRLS-85 IBM^^^^^ULTRIUM-HH6	✔	✔		
RLS-8500 LTO series (members) [1]	SAS	IBM	Ultrium 7 Half Height	SAS	QUALSTARRLS-85 IBM^^^^^ULTRIUM-HH7	✔	✔		
TLS-4000 AIT series (members) [2]	SCSI	Sony	SDX-900V AITi520/S (AIT-4)	SCSI	QUALSTARTLS-4 SONY^^^^SDX-900V	✔	✔	✔	✔
TLS-4000 AIT series (members) [2]	SCSI	Sony	SDX-1100 AITi1040 (AIT-5)	SCSI	QUALSTARTLS-4 SONY^^^^SDX-1100	✔	✔	✔	
TLS-5000 SAIT series (members) [2]	Fibre Channel	Sony	SDZ-130 SAITi1300SS (SAIT)	Fibre Channel	QUALSTARTLS-5 SONY^^^^SDZ-130	✔	✔	✔	✔
TLS-5000 SAIT series (members)	SCSI	IBM	Ultrium 4 (U320)	SCSI	QUALSTARTLS-5 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
TLS-5000 SAIT series (members)	SCSI	IBM	Ultrium 4	Fibre Channel	QUALSTARTLS-5 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
TLS-8000 LTO series (members)	Fibre Channel	IBM	TotalStorage 3580 Ultrium 2	Fibre Channel	QUALSTARTLS-8 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
TLS-8000 LTO series (members)	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	QUALSTARTLS-8 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
TLS-8000 LTO series (members)	Fibre Channel	IBM	Ultrium 4	Fibre Channel	QUALSTARTLS-8 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
TLS-8000 LTO series (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	QUALSTARTLS-8 IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
TLS-8000 LTO series (members) [1]	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	QUALSTARTLS-8 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
TLS-8000 LTO series (members)	SAS	IBM	Ultrium 5 Half Height	SAS	QUALSTARTLS-8 IBM^^^^^ULTRIUM-HH5	✔	✔		
TLS-8000 LTO series (members) [1]	SAS	IBM	Ultrium 6 Half Height	SAS	QUALSTARTLS-8 IBM^^^^^ULTRIUM-HH6	✔	✔		
TLS-8000 LTO series (members)	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	QUALSTARTLS-8 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
TLS-8000 LTO series (members)	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	QUALSTARTLS-8 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
TLS-8000 LTO series (members)	SCSI	IBM	Ultrium 3	Fibre Channel	QUALSTARTLS-8 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
TLS-8000 LTO series (members)	SCSI	IBM	Ultrium 4 (U160)	SCSI	QUALSTARTLS-8 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
XLS-8000	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	QUALSTARXLS-8000 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
XLS series (members)	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	QUALSTARXLS-8000 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
XLS series (members)	Fibre Channel	IBM	Ultrium 3	Fibre Channel	QUALSTARXLS-8000 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
XLS series (members)	Fibre Channel	IBM	Ultrium 4	Fibre Channel	QUALSTARXLS-8000 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
XLS series (members)	Fibre Channel	IBM	Ultrium 5	Fibre Channel	QUALSTARXLS-8000 IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
XLS series (members) [1]	Fibre Channel	IBM	Ultrium 6	Fibre Channel	QUALSTARXLS-8000 IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
XLS series (members) [1]	Fibre Channel	IBM	Ultrium 7	Fibre Channel	QUALSTARXLS-8000 IBM^^^^^ULTRIUM-TD7	✔	✔	✔	✔

1. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

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2. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
PX500 Series (members) [1] [2]	Fibre Channel	Quantum	DLT-S4	Fibre Channel	QUANTUM^PX500 QUANTUM^DLT-S4	✔	✔		✔
PX500 Series (members) [2]	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
PX500 Series (members) [1] [2]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
PX500 Series (members) [1] [2]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
PX500 Series (members) [1] [2]	SCSI	Quantum	DLT-S4	SCSI	QUANTUM^PX500 QUANTUM^DLT-S4	✔	✔		✔
PX500 Series (members) [2]	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^PX500 QUANTUM^ULTRIUM^3	✔	✔	✔	
PX720 [2]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	QUANTUM^PX720 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
PX720 [2]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	QUANTUM^PX720 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
PX720 [2]	Fibre Channel	Quantum	DLT-S4	Fibre Channel	QUANTUM^PX720 QUANTUM^DLT-S4	✔	✔	✔	✔
PX720 [2]	Fibre Channel	Quantum	SDLT 600	Fibre Channel	QUANTUM^PX720 QUANTUM^SDLT600	✔	✔	✔	✔
PX720 [2]	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	QUANTUM^PX720 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
PX720 [2]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	QUANTUM^PX720 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
PX720 [2]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^PX720 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
PX720 [2]	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	QUANTUM^PX720 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
PX720 [2]	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	QUANTUM^PX720 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
PX720 [2]	SCSI	Quantum	SDLT 320	SCSI	QUANTUM^PX720 QUANTUM^SDLT320	✔	✔	✔	✔
PX720 [2]	SCSI	Quantum	SDLT 600	SCSI	QUANTUM^PX720 QUANTUM^SDLT600	✔	✔	✔	
Scalar 50 (PX500) [2] [3]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
Scalar 50 (PX500) [2] [3]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
Scalar 50 (PX500) [2] [3]	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^PX500 QUANTUM^ULTRIUM^3	✔	✔	✔	
Scalar 50 (SCALAR50) [2] [3]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	QUANTUM^SCALAR50 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
Scalar 50 (SCALAR50) [2] [3]	Fibre Channel	Quantum	DLT-S4	Fibre Channel	QUANTUM^SCALAR50 QUANTUM^DLT-S4	✔	✔		✔
Scalar 50 (SCALAR50) [2]	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	QUANTUM^SCALAR50 HP^^^^^^Ultrium^4-SCSI	✔	✔		
Scalar 50 (SCALAR50) [2] [3]	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	QUANTUM^SCALAR50 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
Scalar 50 (SCALAR50) [2] [3]	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^SCALAR50 QUANTUM^ULTRIUM^3	✔	✔	✔	✔
Scalar i3 [4]	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	QUANTUM^Scalar^i3-i6 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
Scalar i3 [4]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	QUANTUM^Scalar^i3-i6 IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
Scalar i3	SAS	IBM	Ultrium 6 Half Height	SAS	QUANTUM^Scalar^i3-i6 IBM^^^^^ULTRIUM-HH6	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Scalar i3 [4]	SAS	IBM	Ultrium 7 Half Height	SAS	QUANTUM^Scalar^i3-i6 IBM^^^^^ULTRIUM-HH7	✔	✔		
Scalar i6 [4]	Fibre Channel	IBM	Ultrium 6	Fibre Channel	QUANTUM^Scalar^i3-i6 IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
Scalar i6 [4]	Fibre Channel	IBM	Ultrium 7	Fibre Channel	QUANTUM^Scalar^i3-i6 IBM^^^^^ULTRIUM-TD7	✔	✔	✔	✔
Scalar i40/i80 series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	QUANTUM^Scalar^i40-i80 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
Scalar i40/i80 series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	QUANTUM^Scalar^i40-i80 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
Scalar i40/i80 series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	QUANTUM^Scalar^i40-i80 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
Scalar i40/i80 series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	QUANTUM^Scalar^i40-i80 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
Scalar i40/i80 series (members)	Fibre Channel	IBM	Ultrium 5 Half Height	Fibre Channel	QUANTUM^Scalar^i40-i80 IBM^^^^^ULTRIUM-HH5	✔	✔	✔	✔
Scalar i40/i80 series (members)	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	QUANTUM^Scalar^i40-i80 IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
Scalar i40/i80 series (members) [5]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	QUANTUM^Scalar^i40-i80 IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
Scalar i40/i80 series (members)	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	QUANTUM^Scalar^i40-i80 HP^^^^^^Ultrium^4-SCSI	✔	✔		
Scalar i40/i80 series (members)	SAS	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SAS	QUANTUM^Scalar^i40-i80 HP^^^^^^Ultrium^4-SCSI	✔	✔		
Scalar i40/i80 series (members)	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	QUANTUM^Scalar^i40-i80 HP^^^^^^Ultrium^5-SCSI	✔	✔		
Scalar i40/i80 series (members)	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	QUANTUM^Scalar^i40-i80 HP^^^^^^Ultrium^6-SCSI	✔	✔		
Scalar i40/i80 series (members)	SAS	IBM	Ultrium 5 Half Height	SAS	QUANTUM^Scalar^i40-i80 IBM^^^^^ULTRIUM-HH5	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Scalar i40/i80 series (members)	SAS	IBM	Ultrium 6 Half Height	SAS	QUANTUM^Scalar^i40-i80 IBM^^^^^ULTRIUM-HH6	✔	✔		
Scalar i40/i80 series (members) [6]	SAS	IBM	Ultrium 7 Half Height	SAS	QUANTUM^Scalar^i40-i80 IBM^^^^^ULTRIUM-HH7	✔	✔		
Scalar i500	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	Quantum^Scalar^i500 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
Scalar i500 [7]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	Quantum^Scalar^i500 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
Scalar i500	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6650 LTO6	Fibre Channel	Quantum^Scalar^i500 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
Scalar i500	Fibre Channel	IBM	TotalStorage 3580 Ultrium 2	Fibre Channel	Quantum^Scalar^i500 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
Scalar i500	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	Quantum^Scalar^i500 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
Scalar i500 [8]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	Quantum^Scalar^i500 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
Scalar i500	Fibre Channel	IBM	Ultrium 5	Fibre Channel	Quantum^Scalar^i500 IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
Scalar i500	Fibre Channel	IBM	Ultrium 6	Fibre Channel	Quantum^Scalar^i500 IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
Scalar i500 [6]	Fibre Channel	IBM	Ultrium 7	Fibre Channel	Quantum^Scalar^i500 IBM^^^^^ULTRIUM-TD7	✔	✔	✔	✔
Scalar i500 [8]	SAS	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SAS	Quantum^Scalar^i500 HP^^^^^^Ultrium^4-SCSI	✔	✔		
Scalar i500 [7]	SAS	Hewlett Packard Enterprise	Ultrium 3280 LTO5	SAS	Quantum^Scalar^i500 HP^^^^^^Ultrium^5-SCSI	✔	✔		
Scalar i500	SAS	Hewlett Packard Enterprise	Ultrium 6650 LTO6	SAS	Quantum^Scalar^i500 HP^^^^^^Ultrium^6-SCSI	✔	✔		
Scalar i500 [7]	SAS	IBM	System Storage TS2350 Ultrium 5	SAS	Quantum^Scalar^i500 IBM^^^^^ULT3580-TD5	✔	✔		

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Scalar i500 [8]	SAS	IBM	Ultrium 4	SAS	Quantum^Scalar^i500 IBM^^^^^ULTRIUM-TD4	✔	✔		
Scalar i500	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	Quantum^Scalar^i500 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
Scalar i500 [8]	SCSI	IBM	Ultrium 4 (U160)	SCSI	Quantum^Scalar^i500 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
Scalar i2000	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	Quantum^Scalar^i2000 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
Scalar i2000	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	Quantum^Scalar^i2000 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
Scalar i2000 [8]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	Quantum^Scalar^i2000 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
Scalar i2000	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	Quantum^Scalar^i2000 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
Scalar i2000 [8]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	Quantum^Scalar^i2000 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
Scalar i6000 [9]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	Quantum^Scalar^i6000 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
Scalar i6000 [8] [9]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	Quantum^Scalar^i6000 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
Scalar i6000 [7] [9]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	Quantum^Scalar^i6000 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
Scalar i6000 [9]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6650 LTO6	Fibre Channel	Quantum^Scalar^i6000 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
Scalar i6000 [9]	Fibre Channel	IBM	TotalStorage 3580 Ultrium 2	Fibre Channel	Quantum^Scalar^i6000 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
Scalar i6000 [9]	Fibre Channel	IBM	Ultrium 3	Fibre Channel	Quantum^Scalar^i6000 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
Scalar i6000 [9]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	Quantum^Scalar^i6000 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔

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Quantum

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Scalar i6000 [9]	Fibre Channel	IBM	Ultrium 5	Fibre Channel	Quantum^Scalar^i6000 IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
Scalar i6000 [9]	Fibre Channel	IBM	Ultrium 6	Fibre Channel	Quantum^Scalar^i6000 IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
Scalar i6000 [6] [9]	Fibre Channel	IBM	Ultrium 7	Fibre Channel	Quantum^Scalar^i6000 IBM^^^^^ULTRIUM-TD7	✔	✔	✔	✔
Scalar i6000 [9]	Fibre Channel	Quantum	DLT-S4	Fibre Channel	Quantum^Scalar^i6000 QUANTUM^DLT-S4	✔	✔	✔	✔
SuperLoader 3 [2]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	QUANTUM^UHDL HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
SuperLoader 3 [2]	Fibre Channel	Quantum	DLT-S4	Fibre Channel	QUANTUM^UHDL QUANTUM^DLT-S4	✔	✔		
SuperLoader 3	SAS	IBM	Ultrium 4 Half Height	SAS	QUANTUM^UHDL IBM^^^^^ULTRIUM-HH4	✔	✔		
SuperLoader 3	SAS	IBM	Ultrium 5 Half Height	SAS	QUANTUM^UHDL IBM^^^^^ULTRIUM-HH5	✔	✔		
SuperLoader 3	SAS	IBM	Ultrium 6 Half Height	SAS	QUANTUM^UHDL IBM^^^^^ULTRIUM-HH6	✔	✔		
SuperLoader 3 [6]	SAS	IBM	Ultrium 7 Half Height	SAS	QUANTUM^UHDL IBM^^^^^ULTRIUM-HH7	✔	✔		
SuperLoader 3	SAS	Quantum	LTO-3 HH	SAS	QUANTUM^UHDL QUANTUM^ULTRIUM^3	✔	✔		
SuperLoader 3	SAS	Quantum	LTO-4 HH	SAS	QUANTUM^UHDL QUANTUM^ULTRIUM^4	✔	✔		
SuperLoader 3	SAS	Quantum	LTO-5 FH	SAS	QUANTUM^UHDL QUANTUM^ULTRIUM^5	✔	✔		
SuperLoader 3	SAS	Quantum	LTO-5 HH	SAS	QUANTUM^UHDL QUANTUM^ULTRIUM^5	✔	✔		
SuperLoader 3	SAS	Quantum	LTO-6 HH	SAS	QUANTUM^UHDL QUANTUM^ULTRIUM^6	✔	✔		

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Quantum

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
SuperLoader 3 [2]	SCSI	Certance	CL 800 LTO Ultrium 3	SCSI	QUANTUM^UHDL CERTANCEULTRIUM^3	✔	✔	✔	
SuperLoader 3	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	QUANTUM^UHDL HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
SuperLoader 3	SCSI	Quantum	DLT-S4	SCSI	QUANTUM^UHDL QUANTUM^DLT-S4	✔	✔		
SuperLoader 3 [2]	SCSI	Quantum	DLT-V4	SCSI	QUANTUM^UHDL QUANTUM^DLT-V4	✔	✔	✔	
SuperLoader 3	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^UHDL QUANTUM^ULTRIUM^3	✔	✔	✔	✔
SuperLoader 3	SCSI	Quantum	LTO-4 HH	SCSI	QUANTUM^UHDL QUANTUM^ULTRIUM^4	✔	✔	✔	
SuperLoader 3 [2]	SCSI	Quantum	SDLT 600	SCSI	QUANTUM^UHDL QUANTUM^SDLT600	✔	✔	✔	✔

1. Please see <http://www.symantec.com/docs/TECH45373> for additional support details.

2. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

3. Any tape drive supported with the "QUANTUM^PX500" inquiry string is also supported with the "QUANTUM^SCALAR50" inquiry string, and vice versa.

4. Required support can be found in "FP2". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

5. Required driver support can be found in "HF 232086". Use latest Hotfix by downloading: <https://www.veritas.com/content/support/en_US/article.100019916> . (NOT AVAILABLE VIA LIVEUPDATE)

6. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

7. L1 and L2 barcode labels on a cleaning media will cause a cleaning utility job to hang indefinitely. Recommend using L3 (or above) barcode labels for cleaning media.

8. L1 barcode labels on a cleaning media will cause a cleaning utility job to hang indefinitely. Recommend using L2 (or above) barcode labels for cleaning media.

9. i6000 Dual Robot supported with firmware 630Q-GS0xxxx and above.

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Spectra Logic

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
Spectra T24 [1]	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	SPECTRA^GECKO HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
Spectra T24	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	SPECTRA^GECKO HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
T-series (members) [2] [3]	Fibre Channel	IBM	System Storage TS2250 Ultrium 5 Half Height	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULT3580-HH5	✔	✔	✔	✔
T-series (members) [2] [3]	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULT3580-TD5	✔	✔	✔	✔
T-series (members) [1] [2] [3]	Fibre Channel	IBM	Ultrium 2	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULTRIUM-TD2	✔	✔	✔	✔
T-series (members) [2] [3]	Fibre Channel	IBM	Ultrium 3	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
T-series (members) [2] [3]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
T-series (members) [2] [3]	Fibre Channel	IBM	Ultrium 6 Half Height	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULTRIUM-HH6	✔	✔	✔	✔
T-series (members) [2] [3]	Fibre Channel	IBM	Ultrium 6	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
T-series (members) [2] [3] [4]	Fibre Channel	IBM	Ultrium 7 Half Height	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULTRIUM-HH7	✔	✔	✔	✔
T-series (members) [2] [3] [4]	Fibre Channel	IBM	Ultrium 7	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULTRIUM-TD7	✔	✔	✔	✔
T-series (members) [2] [3]	SAS	IBM	System Storage TS2250 Ultrium 5 Half Height	SAS	SPECTRA^PYTHON IBM^^^^^ULT3580-HH5	✔	✔		
T-series (members) [2] [3]	SAS	IBM	Ultrium 6 Half Height	SAS	SPECTRA^PYTHON IBM^^^^^ULTRIUM-HH6	✔	✔		
T-series (members) [2] [3]	SAS	IBM	Ultrium 6	SAS	SPECTRA^PYTHON IBM^^^^^ULTRIUM-TD6	✔	✔		
T-series (members) [2] [3] [4]	SAS	IBM	Ultrium 7 Half Height	SAS	SPECTRA^PYTHON IBM^^^^^ULTRIUM-HH7	✔	✔		

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Spectra Logic

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
T-series (members) [2]	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	SPECTRA^PYTHON HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
T-series (members) [1] [2]	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	SPECTRA^PYTHON IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
T-series (members) [2]	SCSI	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULT3580-TD3	✔	✔	✔	
T-series (members) [2]	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	SPECTRA^PYTHON IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
T-series (members) [2]	SCSI	IBM	Ultrium 4 (U320)	SCSI	SPECTRA^PYTHON IBM^^^^^ULTRIUM-TD4	✔	✔	✔	

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. Minimum library firmware of BlueScale10.4.0-20080908F is suggested for proper import/export operation. Library firmware version is determined in the library GUI, not in the inquiry string.

3. Refer to Spectra KB article 1286 for incompatible media library issues. (Spectra login required)

4. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

StorageTek

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
L180 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	STK^^^^^L180 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
L180 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	STK^^^^^L180 HP^^^^^^Ultrium^4-SCSI	✔	✔		✔
L180 [1]	Fibre Channel	IBM	Ultrium 3	Fibre Channel	STK^^^^^L180 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
L180 [1]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	STK^^^^^L180 IBM^^^^^ULTRIUM-TD4	✔	✔		✔
L180 [1]	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	STK^^^^^L180 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
L180 [1]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	STK^^^^^L180 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
L180 [1]	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	STK^^^^^L180 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
L700 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	STK^^^^^L700 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
L700 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	STK^^^^^L700 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
L700 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	STK^^^^^L700 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
L700 [1]	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	STK^^^^^L700 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
L700 [1]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	STK^^^^^L700 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
L700 [1]	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	STK^^^^^L700 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
L700 [1]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	STK^^^^^L700 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
L700 [1]	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	STK^^^^^L700 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
L1400 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	STK^^^^^L700e HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
L1400 [1]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	STK^^^^^L700e HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
SL500	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	STK^^^^^SL500 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔

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StorageTek

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
SL500	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	STK^^^^^SL500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
SL500	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	STK^^^^^SL500 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
SL500	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	STK^^^^^SL500 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
SL500	Fibre Channel	IBM	TotalStorage 3580 Ultrium 2	Fibre Channel	STK^^^^^SL500 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
SL500	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	STK^^^^^SL500 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
SL500	Fibre Channel	IBM	Ultrium 3	Fibre Channel	STK^^^^^SL500 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
SL500	Fibre Channel	IBM	Ultrium 4 (U160)	SCSI	STK^^^^^SL500 IBM^^^^^ULTRIUM-TD4	✔	✔		
SL500	Fibre Channel	IBM	Ultrium 4	Fibre Channel	STK^^^^^SL500 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
SL500	Fibre Channel	IBM	Ultrium 5	Fibre Channel	STK^^^^^SL500 IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
SL500	SAS	Hewlett Packard Enterprise	Ultrium 3280 LTO5	SAS	STK^^^^^SL500 HP^^^^^^Ultrium^5-SCSI	✔	✔		
SL500	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	STK^^^^^SL500 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
SL500	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	STK^^^^^SL500 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	✔
SL500	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	STK^^^^^SL500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
SL500	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	STK^^^^^SL500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
SL500	SCSI	IBM	TotalStorage 3580 Ultrium 2	Fibre Channel	STK^^^^^SL500 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
SL500	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	STK^^^^^SL500 IBM^^^^^ULT3580-TD2	✔	✔	✔	✔
SL500	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	STK^^^^^SL500 IBM^^^^^ULT3580-TD3	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	STK^^^^^SL3000 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	STK^^^^^SL3000 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6650 LTO6	Fibre Channel	STK^^^^^SL3000 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	IBM	System Storage TS2350 Ultrium 5	Fibre Channel	STK^^^^^SL3000 IBM^^^^^ULT3580-TD5	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	IBM	Ultrium 4	Fibre Channel	STK^^^^^SL3000 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	IBM	Ultrium 5	Fibre Channel	STK^^^^^SL3000 IBM^^^^^ULTRIUM-TD5	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	IBM	Ultrium 6	Fibre Channel	STK^^^^^SL3000 IBM^^^^^ULTRIUM-TD6	✔	✔	✔	✔
SL3000 [2] [3]	Fibre Channel	IBM	Ultrium 7	Fibre Channel	STK^^^^^SL3000 IBM^^^^^ULTRIUM-TD7	✔	✔	✔	✔
SL3000 [2] [4]	Fibre Channel	Oracle	StorageTek T10000D	Fibre Channel	STK^^^^^SL3000 STK^^^^^T10000D	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	StorageTek	T9840C	Fibre Channel	STK^^^^^SL3000 STK^^^^^T9840C	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	StorageTek	T9840D	Fibre Channel	STK^^^^^SL3000 STK^^^^^T9840D	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	StorageTek	T10000A	Fibre Channel	STK^^^^^SL3000 STK^^^^^T10000A	✔	✔	✔	✔
SL3000 [2]	Fibre Channel	StorageTek	T10000B	Fibre Channel	STK^^^^^SL3000 STK^^^^^T10000B	✔	✔	✔	✔

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StorageTek

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
SL3000 [2]	Fibre Channel	StorageTek	T10000C	Fibre Channel	STK^^^^^SL3000 STK^^^^^T10000C	✔	✔	✔	✔

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. Minimum library firmware level of 2.30 is required.

3. Required support can be found in "FP1". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

4. Minimum tape drive firmware level of 4.09 is required.

Sun

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageTek C4 [1]	SCSI	Certance	CL 400 LTO Ultrium 2	SCSI	QUANTUM^PX500 CERTANCEULTRIUM^2	✔	✔	✔	
StorageTek C4 [1]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorageTek C4 [1]	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^PX500 QUANTUM^ULTRIUM^3	✔	✔	✔	
StorageTek C4 [1]	SCSI	Quantum	LTO-3	SCSI	QUANTUM^PX500 CERTANCEULTRIUM^3	✔	✔	✔	
StorageTek SL24	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
StorageTek SL24	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
StorageTek SL24	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageTek SL24	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔		
StorageTek SL24	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔		
StorageTek SL24	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔		
StorageTek SL24	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
StorageTek SL24	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorageTek SL24	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorageTek SL24	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔		
StorageTek SL24	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
StorageTek SL48	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
StorageTek SL48	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
StorageTek SL48	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
StorageTek SL48	SAS	Hewlett Packard Enterprise	Ultrium 920 LTO3	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔		
StorageTek SL48	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔		
StorageTek SL48	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^5-SCSI	✔	✔		
StorageTek SL48	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	

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Sun

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageTek SL48	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorageTek SL48	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorageTek SL48	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔		
StorageTek SL48	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	HP^^^^^^MSL^G3^Series HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
StorageTek SL500	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	STK^^^^^SL500 IBM^^^^^ULT3580-TD2	✔	✔	✔	
StorEdge C2 [1]	SCSI	Certance	CL 400 LTO Ultrium 2	SCSI	QUANTUM^UHDL CERTANCEULTRIUM^2	✔	✔	✔	
StorEdge C2 [1]	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^UHDL HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorEdge C2 [1]	SCSI	Quantum	LTO-3	SCSI	QUANTUM^UHDL CERTANCEULTRIUM^3	✔	✔	✔	

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

Tandberg

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageLibrary T24	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
StorageLibrary T24	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
StorageLibrary T24	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔

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Tandberg

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageLibrary T24	Fibre Channel	IBM	Ultrium 3	Fibre Channel	EXABYTE^MAGNUM^224 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
StorageLibrary T24	Fibre Channel	IBM	Ultrium 4	Fibre Channel	EXABYTE^MAGNUM^224 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
StorageLibrary T24	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^4-SCSI	✔	✔		
StorageLibrary T24	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^5-SCSI	✔	✔		
StorageLibrary T24	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^6-SCSI	✔	✔		
StorageLibrary T24	SAS	IBM	Ultrium 4 Half Height	SAS	EXABYTE^MAGNUM^224 IBM^^^^^ULTRIUM-HH4	✔	✔		
StorageLibrary T24	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
StorageLibrary T24	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorageLibrary T24	SCSI	IBM	Ultrium 3	SCSI	EXABYTE^MAGNUM^224 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
StorageLibrary T24	SCSI	IBM	Ultrium 4 (U160)	SCSI	EXABYTE^MAGNUM^224 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
StorageLibrary T24	SCSI	IBM	Ultrium 4 Half Height (U320)	SCSI	EXABYTE^MAGNUM^224 IBM^^^^^ULTRIUM-HH4	✔	✔	✔	
StorageLibrary T40+/T80+/T120+/T160+ series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1760 LTO4	Fibre Channel	TANDBERGStorageLoader HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	✔
StorageLibrary T40+/T80+/T120+/T160+ series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	TANDBERGStorageLoader HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
StorageLibrary T40+/T80+/T120+/T160+ series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	TANDBERGStorageLoader HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔

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Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageLibrary T40+/T80+/T120+/T160+ series (members)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 6250 LTO6	Fibre Channel	TANDBERGStorageLoader HP^^^^^^Ultrium^6-SCSI	✔	✔	✔	✔
StorageLibrary T40+/T80+/T120+/T160+ series (members)	Fibre Channel	IBM	Ultrium 3	Fibre Channel	TANDBERGStorageLoader IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
StorageLibrary T40+/T80+/T120+/T160+ series (members)	Fibre Channel	IBM	Ultrium 4	Fibre Channel	TANDBERGStorageLoader IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
StorageLibrary T40+/T80+/T120+/T160+ series (members)	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	TANDBERGStorageLoader HP^^^^^^Ultrium^4-SCSI	✔	✔		
StorageLibrary T40+/T80+/T120+/T160+ series (members)	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	TANDBERGStorageLoader HP^^^^^^Ultrium^5-SCSI	✔	✔		
StorageLibrary T40+/T80+/T120+/T160+ series (members)	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	TANDBERGStorageLoader HP^^^^^^Ultrium^6-SCSI	✔	✔		
StorageLibrary T40+/T80+/T120+/T160+ series (members)	SAS	IBM	Ultrium 4 Half Height	SAS	TANDBERGStorageLoader IBM^^^^^ULTRIUM-HH4	✔	✔		
StorageLibrary T40+/T80+/T120+/T160+ series (members)	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	TANDBERGStorageLoader HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	
StorageLibrary T40+/T80+/T120+/T160+ series (members)	SCSI	IBM	Ultrium 3	SCSI	TANDBERGStorageLoader IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
StorageLibrary T40+/T80+/T120+/T160+ series (members)	SCSI	IBM	Ultrium 4 (U320)	SCSI	TANDBERGStorageLoader IBM^^^^^ULTRIUM-TD4	✔	✔	✔	

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Tandberg

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageLibrary T40+/T80+/T120+/T160+ series (members)	SCSI	IBM	Ultrium 4 Half Height (U320)	SCSI	TANDBERGStorageLoader IBM^^^^^ULTRIUM-HH4	✔	✔	✔	
StorageLibrary T40	Fibre Channel	IBM	Ultrium 3	Fibre Channel	TANDBERGStorageLoader IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
StorageLibrary T40	Fibre Channel	IBM	Ultrium 4	Fibre Channel	TANDBERGStorageLoader IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
StorageLibrary T40	SCSI	IBM	Ultrium 3	SCSI	TANDBERGStorageLoader IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
StorageLibrary T40	SCSI	IBM	Ultrium 4 (U160)	SCSI	TANDBERGStorageLoader IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
StorageLibrary T48	Fibre Channel	IBM	Ultrium 3	Fibre Channel	EXABYTE^MAGNUM^448 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	✔
StorageLibrary T48	Fibre Channel	IBM	Ultrium 4	Fibre Channel	EXABYTE^MAGNUM^448 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	✔
StorageLibrary T48	SAS	IBM	Ultrium 4 Half Height	SAS	EXABYTE^MAGNUM^448 IBM^^^^^ULTRIUM-HH4	✔	✔		
StorageLibrary T48	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	EXABYTE^MAGNUM^448 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	
StorageLibrary T48	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	EXABYTE^MAGNUM^448 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorageLibrary T48	SCSI	IBM	Ultrium 3	SCSI	EXABYTE^MAGNUM^448 IBM^^^^^ULTRIUM-TD3	✔	✔	✔	
StorageLibrary T48	SCSI	IBM	Ultrium 4 (U160)	SCSI	EXABYTE^MAGNUM^448 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
StorageLibrary T48	SCSI	IBM	Ultrium 4 Half Height (U320)	SCSI	EXABYTE^MAGNUM^448 IBM^^^^^ULTRIUM-HH4	✔	✔	✔	
StorageLoader 2U LTO	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^2-SCSI	✔	✔	✔	

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Tandberg

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry	WinBES	RMAL	NDMP	ESO
StorageLoader 2U LTO	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	EXABYTE^MAGNUM^224 HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	
StorageLoader 2U LTO	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	EXABYTE^MAGNUM^224 IBM^^^^^ULT3580-TD3	✔	✔	✔	
StorageLoader 2U LTO	SCSI	IBM	Ultrium 4 (U160)	SCSI	EXABYTE^MAGNUM^224 IBM^^^^^ULTRIUM-TD4	✔	✔	✔	
StorageLoader LTO	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3000 LTO5	Fibre Channel	TANDBERGStorageLoader HP^^^^^^Ultrium^5-SCSI	✔	✔	✔	✔
StorageLoader LTO	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	TANDBERGStorageLoader HP^^^^^^Ultrium^4-SCSI	✔	✔		
StorageLoader LTO	SAS	Hewlett Packard Enterprise	Ultrium 3000 LTO5	SAS	TANDBERGStorageLoader HP^^^^^^Ultrium^5-SCSI	✔	✔		
StorageLoader LTO	SAS	Hewlett Packard Enterprise	Ultrium 6250 LTO6	SAS	TANDBERGStorageLoader HP^^^^^^Ultrium^6-SCSI	✔	✔		
StorageLoader LTO	SAS	IBM	Ultrium 4 Half Height	SAS	TANDBERGStorageLoader IBM^^^^^ULTRIUM-HH4	✔	✔		
StorageLoader LTO	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	TANDBERGStorageLoader HP^^^^^^Ultrium^3-SCSI	✔	✔	✔	✔
StorageLoader LTO	SCSI	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SCSI	TANDBERGStorageLoader HP^^^^^^Ultrium^4-SCSI	✔	✔	✔	

Tape Library Families

When a hardware family of devices is listed, refer to this section for a definition of family members. Generally speaking, the family name and members are defined by the hardware manufacturer, and share common operational traits. In some cases, a specific member of the family may not be supported in the same fashion as the other members. When this occurs, a footnote in the hardware category section will indentify this limitation.

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Dell EMC

Backtrack	Family	Interface	Family Members
Backtrack	PowerVault ML6000 Series	Fibre Channel	PowerVault ML6010, PowerVault ML6020, PowerVault ML6030
Backtrack	PowerVault ML6000 Series	SAS	PowerVault ML6010, PowerVault ML6020, PowerVault ML6030
Backtrack	PowerVault ML6000 Series	SCSI	PowerVault ML6010, PowerVault ML6020, PowerVault ML6030
Backtrack	PowerVault TL2000/TL4000 series	Fibre Channel	PowerVault TL2000, PowerVault TL4000
Backtrack	PowerVault TL2000/TL4000 series	SAS	PowerVault TL2000, PowerVault TL4000
Backtrack	PowerVault TL2000/TL4000 series	SCSI	PowerVault TL2000, PowerVault TL4000

Fujitsu

Backtrack	Family	Interface	Family Members
Backtrack	ETERNUS LT20/40/60 S2	Fibre Channel	ETERNUS LT20 S2, ETERNUS LT40 S2, ETERNUS LT60 S2
Backtrack	ETERNUS LT20/40/60 S2	SAS	ETERNUS LT20 S2, ETERNUS LT40 S2, ETERNUS LT60 S2

Hewlett Packard Enterprise

Backtrack	Family	Interface	Family Members
Backtrack	EML E-Series	Fibre Channel	EML E-Series 71e, EML E-Series 103e, EML E-Series 245e, EML E-Series 348e, EML E-Series 375e, EML E-Series 442e, EML E-Series 469e, EML E-Series 505e
Backtrack	ESL E-Series	Fibre Channel	ESL E-Series 286e, ESL E-Series 322e, ESL E-Series 630e, ESL E-Series 712e
Backtrack	ESL E-Series	SCSI	ESL E-Series 286e, ESL E-Series 322e, ESL E-Series 630e, ESL E-Series 712e
Backtrack	MSL2024/4048/8048/8096 (G3 series)	Fibre Channel	MSL2024, MSL4048, MSL8048, MSL8096
Backtrack	MSL2024/4048/8048/8096 (G3 series)	SAS	MSL2024, MSL4048, MSL8048, MSL8096
Backtrack	MSL2024/4048/8048/8096 (G3 series)	SCSI	MSL2024, MSL4048, MSL8048, MSL8096

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Hewlett Packard Enterprise

Backtrack	Family	Interface	Family Members
Backtrack	MSL6000 Series	SCSI	MSL6030L2, MSL6060L2

IBM

Backtrack	Family	Interface	Family Members
Backtrack	System Storage TS3100/TS3200 (Machine Type 3573)	Fibre Channel	System Storage TS3100 (Machine Type 3573), System Storage TS3200 (Machine Type 3573)
Backtrack	System Storage TS3100/TS3200 (Machine Type 3573)	SAS	System Storage TS3100 (Machine Type 3573), System Storage TS3200 (Machine Type 3573)
Backtrack	System Storage TS3100/TS3200 (Machine Type 3573)	SCSI	System Storage TS3100 (Machine Type 3573), System Storage TS3200 (Machine Type 3573)

NEC

Backtrack	Family	Interface	Family Members
Backtrack	T30A/T60A	Fibre Channel	T30A, T60A
Backtrack	T30A/T60A	SAS	T30A, T60A

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Overland Storage

Backtrack	Family	Interface	Family Members
Backtrack	ARCvault series	Fibre Channel	ARCvault 24, ARCvault 48
Backtrack	ARCvault series	SAS	ARCvault 12, ARCvault 24, ARCvault 48
Backtrack	ARCvault series	SCSI	ARCvault 12, ARCvault 24, ARCvault 48
Backtrack	NEO E-Series	Fibre Channel	NEO 2000e, NEO 4000e, NEO 8000e
Backtrack	NEO E-Series	SAS	NEO 2000e, NEO 4000e, NEO 8000e
Backtrack	NEO E-Series	SCSI	NEO 2000e, NEO 4000e, NEO 8000e
Backtrack	NEO series	Fibre Channel	NEO 2000, NEO 4000, NEO 8000
Backtrack	NEO series	SCSI	NEO 2000, NEO 4000, NEO 8000
Backtrack	NEOs series	Fibre Channel	NEO 200s, NEO 400s
Backtrack	NEOs series	SAS	NEO 200s, NEO 400s
Backtrack	NEOs series	SCSI	NEO 200s, NEO 400s
Backtrack	NEOs series 2nd Generation	Fibre Channel	NEO 200s 2nd Generation, NEO 400s 2nd Generation
Backtrack	NEOs series 2nd Generation	SAS	NEO 200s 2nd Generation, NEO 400s 2nd Generation
Backtrack	NEOs series 3rd Generation	Fibre Channel	NEOs StorageLoader, NEOs T24, NEOs T48
Backtrack	NEOs series 3rd Generation	SAS	NEOs StorageLoader, NEOs T24, NEOs T48
Backtrack	NEOxl series	Fibre Channel	NEOxl 40, NEOxl 60, NEOxl 80
Backtrack	NEOxl series	SAS	NEOxl 40, NEOxl 60, NEOxl 80

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Qualstar

Backtrack	Family	Interface	Family Members
Backtrack	Q24/Q48	Fibre Channel	Q24, Q48
Backtrack	Q24/Q48	SAS	Q24, Q48
Backtrack	RLS-4000 AIT series	SCSI	RLS-4221, RLS-4445, RLS-4470
Backtrack	RLS-8000 LTO series	Fibre Channel	RLS-8204, RLS-8236, RLS-8244
Backtrack	RLS-8000 LTO series	SAS	RLS-8204, RLS-8236, RLS-8244
Backtrack	RLS-8000 LTO series	SCSI	RLS-8204, RLS-8236, RLS-8244
Backtrack	RLS-8000D LTO series	Fibre Channel	RLS-8204D, RLS-8236D, RLS-8244D
Backtrack	RLS-8000D LTO series	SAS	RLS-8204D, RLS-8236D, RLS-8244D
Backtrack	RLS-8500 LTO series	Fibre Channel	RLS-8350, RLS-8560, RLS-85120
Backtrack	RLS-8500 LTO series	SAS	RLS-8350, RLS-8560, RLS-85120
Backtrack	TLS-4000 AIT series	SCSI	TLS-4210, TLS-4212, TLS-4222, TLS-4440, TLS-4480, TLS-46120, TLS-412180, TLS-412360
Backtrack	TLS-5000 SAIT series	Fibre Channel	TLS-5433, TLS-5466, TLS-58132, TLS-58264
Backtrack	TLS-5000 SAIT series	SCSI	TLS-5433, TLS-5466, TLS-58132, TLS-58264
Backtrack	TLS-8000 LTO series	Fibre Channel	TLS-8211, TLS-8222, TLS-8433, TLS-8466, TLS-88132, TLS-88264
Backtrack	TLS-8000 LTO series	SAS	TLS-8211, TLS-8222, TLS-8433, TLS-8466, TLS-88132, TLS-88264
Backtrack	TLS-8000 LTO series	SCSI	TLS-8211, TLS-8222, TLS-8433, TLS-8466, TLS-88132, TLS-88264
Backtrack	XLS series	Fibre Channel	XLS-8000, XLS-802500, XLS-810160, XLS-810240, XLS-812300, XLS-832700, XLS-8161100

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Quantum

Backtrack	Family	Interface	Family Members
Backtrack	PX500 Series	Fibre Channel	PX502, PX506, PX510
Backtrack	PX500 Series	SCSI	PX502, PX506, PX510
Backtrack	Scalar i40/i80 series	Fibre Channel	Scalar i40, Scalar i80
Backtrack	Scalar i40/i80 series	SAS	Scalar i40, Scalar i80

Spectra Logic

Backtrack	Family	Interface	Family Members
Backtrack	T-series	Fibre Channel	Spectra T50, Spectra T50e, Spectra T120, Spectra T200, Spectra T380, Spectra T680, Spectra T950
Backtrack	T-series	SAS	Spectra T50e, Spectra T120
Backtrack	T-series	SCSI	Spectra T50, Spectra T50e, Spectra T120, Spectra T200, Spectra T380, Spectra T680, Spectra T950

Tandberg

Backtrack	Family	Interface	Family Members
Backtrack	StorageLibrary T40+/T80+/T120+/T160+ series	Fibre Channel	StorageLibrary T40+, StorageLibrary T80+, StorageLibrary T120+, StorageLibrary T160+
Backtrack	StorageLibrary T40+/T80+/T120+/T160+ series	SAS	StorageLibrary T40+, StorageLibrary T80+, StorageLibrary T120+, StorageLibrary T160+
Backtrack	StorageLibrary T40+/T80+/T120+/T160+ series	SCSI	StorageLibrary T40+, StorageLibrary T80+, StorageLibrary T120+, StorageLibrary T160+

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NDMP Platforms

The NDMP platform support information is listed below. This information is organized by vendor manufacturer/model(s), minimum software required, method of connection, and any other important notes or information relevant to the hardware and its compatibility.

The storage devices supported by the NDMP option are included with the Tape Library / Virtual Tape Library sections. In these sections, search by storage device vendor, then model, then look for a check [✔] in the NDMP column for support. Please note that the presence of a check means that **Veritas will support the storage device and NDMP combination IF and ONLY IF the NDMP vendor also supports the library / drive combination.** Please refer to the NDMP vendors' documentation for storage device support and possible limitations. If known, these compatibility lists are listed in the notes section by vendor.

Please Note:

1. The tape library drivers are supplied by Veritas with Backup Exec 15.

2. The tape drive drivers are supplied by the NDMP platform vendor when using Direct-attach or 3-Way NDMP Connection methods.

3. NDMP only supports libraries (real or virtual). Stand-alone tape drives are not supported when using Direct-attach or 3-Way NDMP Connection methods.

4. Validate that firewalls allow NDMP traffic.

5. LTO7 support is very new. Please verify LTO7 and LTO6 support with your NDMP platform provider.

6. This NDMP hardware section is only required when using the Backup Exec NDMP option. The Backup Exec NDMP option is typically used for backing up file data on the below listed NDMP/NAS servers. If the NDMP/NAS server contains VM images or databases, those items are typically better protected via other Backup Exec Agents or Options.

NDMP Option minimum requirements:

1. NDMP v4 is required.

2. The NDMP server has the Network Data Management Protocol enabled.

The following table describes the supported NDMP connection methods. Veritas supports these connection methods, provided the NDMP platform vendor does as well.

NDMP Connection Methods

Connection Method	Description
Direct-attach	Data travels from NDMP disk to a tape device on the same NDMP host, or from NDMP disk to a tape device on a SAN. Backup data is NOT sent over the local Ethernet network. The tape device is connected directly to the NAS device via SCSI or Fibre Channel. This is the only NDMP Connection Method that is "LAN free".
Remote	Data travels from the NDMP host, across the local Ethernet network to a Backup Exec server, and then to a tape or disk device connected to the Backup Exec server. Any Backup Exec supported tape or disk device can be used with this Connection Method. A checkmark is NOT needed in the NDMP column of the tape library since the target tape or disk device is not directly connected to the NDMP/NAS. This is the only Connection Method available if the NDMP server doesn't support attaching a local tape library via SCSI or Fibre Channel.

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NDMP Connection Methods

Connection Method	Description
3-way	Data travels from disk on an NDMP host to a tape device on another NDMP host of the same vendor/brand/family. Backup data is sent over the local network. This requires multiple NDMP servers from the same vendor/brand/family. The target tape device must have a checkmark in the NDMP column.

Dell EMC

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
Celerra series (members) [1]	DART 5.5.25.2	Direct Attach, Remote, 3-way	✔	✔	✔
Celerra series (members) [1]	DART 5.6	Direct Attach, Remote, 3-way	✔	✔	✔
Celerra series (members) [1]	DART 6.0	Direct Attach, Remote, 3-way	✔	✔	✔
Compellent FS8600	FluidFS 2.0	Remote	✔	✔	
Compellent FS8600	FluidFS 3.0	Remote	✔	✔	
Compellent FS8600	FluidFS 4.0	Remote	✔	✔	
Compellent FS8600 [2]	FluidFS 5.0	Remote	✔	✔	
Compellent FS8600 [3]	FluidFS 6.0	Remote	✔	✔	
EqualLogic FS7500	Scalable File System 1.0	Remote	✔	✔	
EqualLogic FS7500	FluidFS 2.0	Remote	✔	✔	
EqualLogic FS7500	FluidFS 3.0	Remote	✔	✔	
EqualLogic FS7500	FluidFS 4.0	Remote	✔	✔	
EqualLogic FS7600	FluidFS 2.0	Remote	✔	✔	
EqualLogic FS7600	FluidFS 3.0	Remote	✔	✔	
EqualLogic FS7600	FluidFS 4.0	Remote	✔	✔	
EqualLogic FS7610	FluidFS 2.0	Remote	✔	✔	
EqualLogic FS7610	FluidFS 3.0	Remote	✔	✔	
EqualLogic FS7610	FluidFS 4.0	Remote	✔	✔	

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Dell EMC

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
PowerVault NX3500	Scalable File System 1.0	Remote	✔	✔	
PowerVault NX3500	FluidFS 2.0	Remote	✔	✔	
PowerVault NX3500	FluidFS 3.0	Remote	✔	✔	
PowerVault NX3600	FluidFS 2.0	Remote	✔	✔	
PowerVault NX3600	FluidFS 3.0	Remote	✔	✔	
PowerVault NX3610	FluidFS 2.0	Remote	✔	✔	
PowerVault NX3610	FluidFS 3.0	Remote	✔	✔	
Unity series (members) [4] [5] [6]	Unity Operating Environment 4.0	Remote, 3-way	✔	✔	
VNX2 series (members) [5]	VNX File 8.1	Direct Attach, Remote, 3-way	✔	✔	✔
VNX2e series (members) [5] [7] [8]	VNXe Operating Environment v3.1	Remote, 3-way	✔	✔	✔
VNXe series (members) [5] [8]	VNXe Operating Environment v2.0	Remote, 3-way	✔	✔	✔
VNXe series (members) [5] [8]	VNXe Operating Environment v2.4	Remote, 3-way	✔	✔	✔
VNX series (members) [5]	VNX File 7.0	Direct Attach, Remote, 3-way	✔	✔	✔
VNX series (members) [5]	VNX File 7.1	Direct Attach, Remote, 3-way	✔	✔	✔

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. Dell EMC versioning clarification: Dell EMC marketing refers to it as v5, but it shows up in the adamm.log as "Operating System Version 1.5.0.xxxx". This is consistent with their earlier versioning style, v4 = 1.4, v3 = 1.3, v2 = 1.2, etc.

3. Dell EMC versioning clarification: Dell EMC marketing refers to it as v6, but it shows up in the adamm.log as "Operating System Version 1.6.0.xxxx". This is consistent with their earlier versioning style, v4 = 1.4, v3 = 1.3, v2 = 1.2, etc.

4. EMC Unity firmware 4.0.1.8194551 (SP1) (or higher) is required.

5. EMC's HCL can be found here: <https://elabnavigator.emc.com> Select "Customers and Partners" and then select PDFs and Guides and open Celerra .pdf

6. Required support can be found in "FP5". Use the latest Feature Pack available: <https://www.veritas.com/content/support/en_US/article.100019916> or via LiveUpdate

7. EMC VNXe firmware 3.1.5.6801782 (or higher) is required.

8. VNXe supports "3-way" with the restriction that VNXe can't support the NDMP Tape Server part of a 3-way operation. 3-way requires a VNX or Celerra data mover as the NDMP Tape Server. ESO is supported when used with a 3-way connection.

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Dell EMC Isilon

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
Scale-Out NAS (members) [1]	OneFS 5.5.7.9	Direct Attach, Remote, 3-way			✔
Scale-Out NAS (members) [2]	OneFS 6.5.1.8	Direct Attach, Remote, 3-way	✔	✔	✔
Scale-Out NAS (members) [3]	OneFS 7.0	Direct Attach, Remote, 3-way	✔	✔	✔
Scale-Out NAS (members) [4]	OneFS 7.1	Direct Attach, Remote, 3-way	✔	✔	✔
Scale-Out NAS (members) [5] [6]	OneFS 7.2	Direct Attach, Remote, 3-way	✔	✔	✔

1. Direct Access Recovery (DAR) and Directory Direct Access Recovery (DDAR) are currently not supported with this device/software combination.
2. OneFS versions 6.5.x are supported.
3. OneFS versions 7.0.x are supported.
4. OneFS versions 7.1.x are supported.
5. Isilon OneFS version 8.x is not supported and does not work in Backup Exec 15. Please upgrade to Backup Exec 16 FP1 (or newer).
6. OneFS versions 7.2.x are supported.

Hitachi

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
NAS Platform, 4000 and 3000 Series (members) [1]	Hitachi NAS OS 11	Direct Attach, Remote, 3-way	✔	✔	✔
NAS Platform, 4000 and 3000 Series (members) [2] [3]	Hitachi NAS OS 12	Direct Attach, Remote, 3-way	✔	✔	✔
NAS Platform F1000 (HNAS F1000) (members) [4] [5]	FOS 4.1	Remote	✔	✔	
NAS Platform F1000 (HNAS F1000) (members) [5]	FOS 5.0	Remote	✔	✔	
Virtual File Platform (VFP) (members) [4] [5]	FOS 4.1	Remote	✔	✔	
Virtual File Platform (VFP) (members) [5]	FOS 5.0	Remote	✔	✔	

1. Hitachi NAS OS versions 11.x are supported.
2. Hitachi NAS OS 13.x is not supported and will not work. Please plan to upgrade to BE 16 when 13.x support is added there.

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3. Hitachi NAS OS versions 12.x are supported.

4. FOS 4.1.1-00 or later version is required.

5. The restore from the incremental backup set fails if the backup set has no backup data.

IBM

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
Scale Out Network Attached Storage (SONAS) [1]	IBM OS 1.4	Remote	✔	✔	
Storwize series (members)	IBM OS 1.4	Remote	✔	✔	
Storwize series (members) [2]	IBM OS 1.5	Remote	✔	✔	
System Storage N series (members) [3]	Data ONTAP 7.2.3	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP 7.3.6	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.0 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.0 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.1 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.1 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.1.2 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.1.2 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.1.3 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.1.3 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔

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IBM

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
System Storage N series (members) [3]	Data ONTAP v8.1.4 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3]	Data ONTAP v8.1.4 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3] [4]	Data ONTAP v8.2 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3] [4] [5]	Data ONTAP v8.2 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3] [4]	Data ONTAP v8.2.2 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
System Storage N series (members) [3] [4] [5]	Data ONTAP v8.2.2 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔

1. IBM OS 1.5 is not supported and will not work. Please upgrade to BE 16 FP2 (or higher) for support.

2. IBM OS 1.6 is not supported and will not work. Please upgrade to BE 16 FP2 (or higher) for support.

3. IBM System Storage N series tape support: <http://www-03.ibm.com/systems/storage/network/interophome.html>

4. Browsing of volumes (Backup Selections) is not supported by NetApp. Please use the Include/Exclude feature to configure the backup selections. Please see <https://www.veritas.com/content/support/en_US/article.100013508>

5. NetApp clustered data ONTAP (CDOT) features such as service name virtualization and multi-tenancy (VSERVER) capabilities are not supported. Node-scoped NDMP mode is required to be enabled. More information is available at <https://library.netapp.com/ecmdocs/ECMP1368707/html/GUID-21B82CCB-97F1-4FA6-BB22-095E97979110.html>

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Imation

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
Nexsan NST5000	NestOS 2.2	Remote	✔	✔	

LSI Logic

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
Cougar 3000/6000 Series NAS Gateway	EverON 4.0.4.6	Direct Attach, Remote, 3-way	✔	✔	✔

NetApp

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
FAS Series (members) [1]	Data ONTAP v7.0.3	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v7.2.3	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v7.3.1	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v7.3.6	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.0 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.0 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1.1 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1.1 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1.2 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1.2 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1.3 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔

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NetApp

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
FAS Series (members) [1]	Data ONTAP v8.1.3 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1.4 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1]	Data ONTAP v8.1.4 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2]	Data ONTAP v8.2 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2] [3]	Data ONTAP v8.2 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2]	Data ONTAP v8.2.1 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2] [3]	Data ONTAP v8.2.1 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2]	Data ONTAP v8.2.2 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2] [3]	Data ONTAP v8.2.2 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2]	Data ONTAP v8.2.3 (7-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2] [3]	Data ONTAP v8.2.3 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2] [4]	Data ONTAP v8.2.4 (7-mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2] [3] [4]	Data ONTAP v8.2.4 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2] [3] [5] [6]	Data ONTAP v8.3 (Clustered)	Direct Attach, Remote, 3-way	✔	✔	✔
FAS Series (members) [1] [2] [3] [5] [6] [7]	Data ONTAP v8.3.2 (Clustered)	Direct Attach, Remote, 3-way	✔	✔	✔
GX series [1]	Data ONTAP v8.0 (Cluster-Mode)	Direct Attach, Remote, 3-way	✔	✔	✔

1. NetApp's HCL can be found here: <http://www.netapp.com/us/solutions/a-z/data-protection-devices.html>

2. Browsing of volumes (Backup Selections) is not supported by NetApp. Please use the Include/Exclude feature to configure the backup selections. Please see <https://www.veritas.com/content/support/en_US/article.100013508>

3. NetApp clustered data ONTAP (CDOT) features such as service name virtualization and multi-tenancy (VSERVER) capabilities are not supported. Node-scoped NDMP mode is required to be enabled. More information is available at <https://library.netapp.com/ecmdocs/ECMP1368707/html/GUID-21B82CCB-97F1-4FA6-BB22-095E97979110.html>

4. 8.2.4 requires NetApp P-release version 8.2.4p3 (or higher patch)

5. 8.3.1 is not supported. This is due to changes made by NetApp that causes Verify to fail during Incremental Backups.

6. NetApp Data ONTAP replication feature SnapMirror is not supported. All Verify operations fail on a read-only volume. Verify being "on" is the default configuration, so all backups appear to fail.

7. 8.3.2 requires NetApp P-release version 8.3.2p1 (or higher patch)

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Oracle

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
ZFS Storage Appliance series (members) [1]	Oracle OS 2010.08.17	Direct Attach, Remote, 3-way	✔	✔	✔
ZFS Storage Appliance series (members) [1]	Oracle OS 2013.06.05	Direct Attach, Remote, 3-way	✔	✔	✔

1. Support for clustering of the Oracle Sun NDMP devices was not specifically tested, though may work. Contact Oracle for usage of this environment.

Veritas

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
FileStore	FileStore 5.6	Remote	✔	✔	
FileStore	FileStore 5.7	Remote	✔	✔	

NDMP Families

Dell EMC

Backtrack	Family	Family Members
Backtrack	Celerra series	Celerra NS40, Celerra NS120, Celerra NS700
Backtrack	Unity series	Unity 300, Unity 300F, Unity 350F, Unity 400, Unity 400F, Unity 450F, Unity 500, Unity 500F, Unity 550F, Unity 600, Unity 600F, Unity 650F, Unity VSA
Backtrack	VNX2 series	VNX5200, VNX5400, VNX5600, VNX5800, VNX7600, VNX8000
Backtrack	VNX2e series	VNXe1600, VNXe3200
Backtrack	VNXe series	VNXe3100, VNXe3150, VNXe3300
Backtrack	VNX series	VNX 5100, VNX 5300, VNX 5500, VNX 5700, VNX 7500

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Dell EMC Isilon

Backtrack	Family	Family Members
Backtrack	Scale-Out NAS	IQ Storage, IQ Storage HD-Series, IQ Storage NL-Series, IQ Storage S-Series, IQ Storage X-Series

Hitachi

Backtrack	Family	Family Members
Backtrack	NAS Platform, 4000 and 3000 Series	HNAS 3080 (M1), HNAS 3090 (M2), HNAS 4040, HNAS 4060, HNAS 4080, HNAS 4100
Backtrack	NAS Platform F1000 (HNAS F1000)	HNAS F1120, HNAS F1140
Backtrack	Virtual File Platform (VFP)	VFP 50, VFP 70, VFP 80, VFP 100N, VFP 110, VFP 200N, VFP 300N, VFP 500N, VFP 600N, VFP 2010, VFP 2100, VFP 2300

IBM

Backtrack	Family	Family Members
Backtrack	Storwize series	FlashSystem V9000, SANVC(2145), Storwize V3500, Storwize V3700, Storwize V5000, Storwize V5010, Storwize V5020, Storwize V5030, Storwize V7000, Storwize V7000 Unified
Backtrack	System Storage N series	N3150, N3220, N3240, N3300, N3400, N3600, N3700, N5200, N5300, N5500, N5600, N6040, N6060, N6070, N6210, N6220, N6240, N6250, N6270, N7550T, N7600, N7700, N7750T, N7800, N7900, N7950T

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NetApp

Backtrack	Family	Family Members
Backtrack	FAS Series	All 'FAS' Models.

Oracle

Backtrack	Family	Family Members
Backtrack	ZFS Storage Appliance series	ZFS Storage 7110, ZFS Storage 7120, ZFS Storage 7210, ZFS Storage 7310, ZFS Storage 7320, ZFS Storage 7410, ZFS Storage 7420, ZFS Storage ZS3-2, ZFS Storage ZS3-4, ZFS Storage ZS4-4, ZFS Storage ZS5-2, ZFS Storage ZS5-4

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NAS Sources

NAS Source support information is listed below. This information is organized by vendor manufacturer/model(s), minimum software required, and any other important notes or information relevant to the hardware and its compatibility.

NAS devices listed in this sections have been tested with Backup Exec as a result of formal joint business agreements and OEM relationships.

Hardware is selected and prioritized for certification based on market research and input from the field, including customer feedback. If a customer would like to have their hardware considered for inclusion on this HCL, simply submit the request via an email <Backup_Exec_HCL@veritas.com> . Requests will be reviewed by the appropriate Veritas Product Management team members for possible certification, with final decisions based on the overall fit with the product, target market, and frequency of request.

Overland Storage

Family	Family Members	Software Tested	Tape Support	Notes
SnapServer DX	SnapServer DX1, SnapServer DX2, XSR 120, XSR 40, XSD 40	GOS 7.2.126	SAS	Client Side Dedup is not supported. Snapshots are not supported on the file system. Overland Storage support link for agent installation instructions. <http://support.overlandstorage.com/jive/servlet/KbServlet/download/10414-102-3212/10400441-001.pdf>

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SAN Infrastructure components

The SAN infrastructure components section of the HCL is split into three sections - traditional fibre channel infrastructure components, FCoE infrastructure, and iSCSI "solutions". The fibre channel and FCoE sections list possible components to be used interchangeably, whereas the iSCSI section lists SAN components to be used as a solution; a complete set of hardware from hardware or software initiator, through interconnect (if any), to storage device.

Fibre channel SANs: To verify support for tape libraries, or virtual tape libraries (VTL), refer to the column labelled "ESO" in the respective "Tape Libraries with Drives" or "Virtual Tape Libraries with Drives" sections.

Libraries or drives with an interface column of "SCSI" require an interface card or bridge to establish a connection to an FC switch. Please see the content below for supported devices.

Fibre Channel Infrastructure

This list of supported fibre-channel storage area network (SAN) components represents what has been tested in Veritas labs, or in Veritas-supervised partner labs. All the devices in your SAN must be on this supported device list. To ensure compatibility, Veritas, the device manufacturers, and the operating system vendor must support the combination of SAN devices.

To verify support for tape libraries, or virtual tape libraries (VTL), refer to the column labelled "ESO" in the respective "Tape Libraries with Drives" or "Virtual Tape Libraries with Drives" sections.

HBAs

Note: The OS and Version information indicate the tested platform. Unless specifically noted all other OS Versions are supported.

Veritas recommends (where possible), the following to avoid complications in the SAN environment:

1. Avoid mixing HBAs from different vendors.

2. All HBAs should use the same firmware, BIOS and driver revision.

3. Consult the hardware vendor's web site for up-to-date firmware and driver updates.

4. Where support is shown for Windows Server 2003, Windows Server 2008, or Windows Server 2012 please reference the Software Compatibility List (<http://www.backupexec.com/compatibility>) for supported operating system versions.

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ATTO

Device	Bus Type	Windows
FC-41XS	PCI-X	Windows Server 2003
FC-44ES	PCIe	Windows Server 2003

Brocade

Device	Bus Type	Windows
415	PCIe	Windows Server 2003
425	PCIe	Windows Server 2003, Windows Server 2008, Windows Server 2012
815	PCIe	Windows Server 2003, Windows Server 2008
825	PCIe	Windows Server 2003
1860 (FC)	PCIe	Windows Server 2003, Windows Server 2008

Emulex

Device	Bus Type	Windows	(Asianux Consortium) Asianux	(Red Hat) Enterprise Linux	(SUSE) SUSE Linux Enterprise Server
LP1100x / 1150 series (Helios ASIC) (members)	PCI-X	Windows Server 2003, Windows Server 2008	2.0	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
LPe11xxx / 115x series (Zephyr ASIC) (members)	PCIe	Windows Server 2003, Windows Server 2008	2.0	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10, 11
LPe12xxx / 125x series (Saturn ASIC) (members)	PCIe	Windows Server 2003, Windows Server 2008, Windows Server 2012	2.0	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10

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Emulex

Device	Bus Type	Windows	(Asianux Consortium) Asianux	(Red Hat) Enterprise Linux	(SUSE) SUSE Linux Enterprise Server
LPe16xxx / 15xxx series (Lancer ASIC) (members)	PCIe	Windows Server 2008, Windows Server 2012			

Hewlett Packard Enterprise

Device	Bus Type	Windows	(Asianux Consortium) Asianux	(Red Hat) Enterprise Linux	(SUSE) SUSE Linux Enterprise Server
81B	PCIe	Windows Server 2008			
81E	PCIe	Windows Server 2003, Windows Server 2008	2.0	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
81Q	PCIe	Windows Server 2008			
82B	PCIe	Windows Server 2008			
82E	PCIe	Windows Server 2008			
82Q	PCIe	Windows Server 2008			
A7388A	PCI-X	Windows Server 2003, Windows Server 2008	2.0	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
AJ764A	PCIe	Windows Server 2003, Windows Server 2008		4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
FC1142SR	PCIe	Windows Server 2003, Windows Server 2008		4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
FC1143	PCI-X	Windows Server 2003, Windows Server 2008		4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10

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Hewlett Packard Enterprise

Device	Bus Type	Windows	(Asianux Consortium) Asianux	(Red Hat) Enterprise Linux	(SUSE) SUSE Linux Enterprise Server
FC2142SR	PCIe	Windows Server 2003, Windows Server 2008	2.0	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
FC2143	PCIe	Windows Server 2003, Windows Server 2008	2.0	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
QMH2462-HP-BK	PCIe	Windows Server 2008			

Hitachi

Device	Bus Type	Windows
HFC040x series (members)	PCI-X, PCIe, mezzanine	Windows Server 2003
HFCE080x series (members)	PCIe, mezzanine	Windows Server 2003, Windows Server 2008

LSI Logic

Device	Bus Type	Windows
LSI7102XP-LC	PCI-X	Windows Server 2003
LSI7104XP-LC	PCI-X	Windows Server 2003
LSI7202XP-LC	PCI-X	Windows Server 2008
LSI7204XP-LC	PCI-X	Windows Server 2003
LSI44929	PCI	Windows Server 2003

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QLogic

Device	Bus Type	Windows	(Red Hat) Enterprise Linux	(SUSE) SUSE Linux Enterprise Server
QLE236x series (members)	PCIe	Windows Server 2003, Windows Server 2008, Windows Server 2012	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
QLE2400 series (members)	PCIe	Windows Server 2003, Windows Server 2008, Windows Server 2012	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
QLE2500 series (members)	PCIe	Windows Server 2003, Windows Server 2008, Windows Server 2012	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
QLE2600 series (members)	PCIe	Windows Server 2008, Windows Server 2012		
QLE2670 series (members)	PCIe	Windows Server 2008, Windows Server 2012		
QLE8300 series (FC) (members)	PCIe	Windows Server 2012		
QLE10000 series (members)	PCIe	Windows Server 2008		
SANblade 23xx series (members) [1]	PCI, PCI-X	Windows Server 2003, Windows Server 2008, Windows Server 2012	4.0 (ES), 5.0 (Advanced), 5.0 (base)	9, 10
SANblade 24xx series (members)	PCI-X	Windows Server 2003, Windows Server 2008, Windows Server 2012	5.0 (base)	

1. For Windows 2003, the latest driver from QLogic is required.

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Sun

Device	Bus Type	Windows
SG-XPCIE2FC-QF4	PCIe	Windows Server 2008

HBA Families

Emulex

Backtrack	Family	Family Members
Backtrack	LP1100x / 1150 series (Helios ASIC)	LP1150, LP11000, LP11000-M4, LP11002, LP11002-M4, LP12002-S
Backtrack	LPe11xxx / 115x series (Zephyr ASIC)	LPe111, LPe1105-M, LPe1150, LPe11000, LPe11002, LPe11002-E, LPe11002-S, LPe11004, LPem11002-S
Backtrack	LPe12xxx / 125x series (Saturn ASIC)	LPe1205-HP, LPe1250, LPe12000, LPe12000-E, LPe12002, LPe12002-E, LPe12002-M8, LPe12002-X8, LPe12004
Backtrack	LPe16xxx / 15xxx series (Lancer ASIC)	LPe15004, LPe16000-M6, LPe16000B, LPe16000B-M6, LPe16000B-M8, LPe16002-M6, LPe16002B, LPe16002B-M6, LPe16002B-M8, LPe16004, LPe16202 (FC)

Hitachi

Backtrack	Family	Family Members
Backtrack	HFC040x series	HFC0401, HFC0401-C, HFC0402, HFC0402-C, HFC0402-E, HFC0402-M
Backtrack	HFCE080x series	HFCE0801, HFCE0802, HFCE0802-M, HFCE0804-M

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QLogic

Backtrack	Family	Family Members
Backtrack	QLE236x series	QLE2360, QLE2362
Backtrack	QLE2400 series	QLE2440, QLE2460, QLE2462, QLE2464, QME2462, QMI2572
Backtrack	QLE2500 series	QLE2560, QLE2562, QLE2562-S, QLE2564, QME2572, QMH2562, QMH2572, QMI2582, QMI3572
Backtrack	QLE2600 series	QLE2660, QLE2662
Backtrack	QLE2670 series	QLE2670, QLE2672
Backtrack	QLE8300 series (FC)	QLE8360 (FC), QLE8362 (FC)
Backtrack	QLE10000 series	QLE10502, QLE10522, QLE10542
Backtrack	SANblade 23xx series	QCP2332, QCP2340, QLA2300, QLA2302, QLA2310, QLA2332, QLA2340, QLA2340C, QLA2342, QLA2344, QSB2340, QSB2342
Backtrack	SANblade 24xx series	QLA2440, QLA2460, QLA2462

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Bridges and Routers

Consult the hardware vendor's web site for up-to-date firmware updates.

ADIC

Device
SNC 4000 (embedded)

ATTO

Device
FibreBridge 3300

Crossroads

Device
6000 [1]
6240 Storage Router [1]

1. If hardware encryption is used, then a minimum firmware of 5.8.24 is required.

Dell EMC

Device
PV-132T (FCR embedded)

Hewlett Packard Enterprise

Device
e1200-320 4Gb
e2400-160 FC Interface Controller
e2400-FC 2Gb Interface Controller
e2400-FC 4Gb Interface Controller

Overland Storage

Device
Fibre Channel Option (FCO) [1]
NEO VIA FCO [1]

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

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Qualstar

Device
FS1310B embedded router
VFS113 embedded router
VFS212 embedded router

Quantum

Device
FC1202
FC470

Spectra Logic

Device
F-QIP

StorageTek

Device
Direct FC Attach (L180/L700)
L1400 Interface Control Module

Switches

1. Avoid mixing switches/hubs from different vendors, unless specifically supported by the switch/hub vendors.

2. Consult the hardware vendor's web site for up-to-date firmware updates.

Brocade

Device
300
5100
6510
SilkWorm 12000
SilkWorm 200E
SilkWorm 2010
SilkWorm 2050
SilkWorm 220E
SilkWorm 240E
SilkWorm 300
SilkWorm 3200
SilkWorm 3250
SilkWorm 3800
SilkWorm 3850

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Brocade

Device
SilkWorm 3900
SilkWorm 4100
SilkWorm 5100
SilkWorm 6505

Cisco Systems

Device
MDS9216

Hewlett Packard Enterprise

Device
4Gb Virtual Connect Fibre Channel Module for c- Class Bla
SAN Switch 4/16
SAN Switch 4/32
SAN Switch 4/64
SAN Switch 4/8
SAN Switch 8/24
SAN Switch 8/40
SAN Switch 8/8

IBM

Device
2109 F32

McDATA

Device
ED-5000
ES-3016
Sphereon 4500

QLogic

Device
SANbox 3602
SANbox 3810
SANbox 5600
SANbox 5602
SANbox 5800
SANbox 5802
SANbox 9000
SANbox 9008V

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FCoE Infrastructure

This list of supported Fibre Channel over Ethernet (FCoE) storage area network (SAN) components represents what has been tested in Veritas labs, or in Veritas-supervised partner labs. All the devices in your SAN must be on this supported device list. To ensure compatibility, Veritas, the device manufacturers, and the operating system vendor must support the combination of SAN devices.

To verify support for tape libraries, or virtual tape libraries (VTL), refer to the column labelled "ESO" in the respective "Tape Libraries with Drives" or "Virtual Tape Libraries with Drives" sections.

CNAs

Please Note:

1. All like CNAs within a SAN should use the same firmware, BIOS and driver revision as recommended by CNA vendors.

2. Consult the hardware vendor's web site for current firmware and driver updates (where applicable).

3. Running a server's Ethernet and Fibre Channel over Ethernet (FCoE) traffic on the same CNA port is not supported.

4. Where support is shown for Windows Server 2003, Windows Server 2008, or Windows Server 2012 please reference the Software Compatibility List (<http://www.backupexec.com/compatibility>) for supported operating system versions.

Brocade

Device	Bus Type	Windows
1860 (FCoE)	PCIe	Windows Server 2008

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Emulex

Device	Bus Type	Windows
OneConnect OCe11000 series (FCoE BE3 ASIC) (members)	PCIe	Windows Server 2008, Windows Server 2012
OneConnect OCe14000 series (FCoE Skyhawk ASIC) (members)	PCIe	Windows Server 2008, Windows Server 2012
OneConnect OCe14401 Series (FCoE Skyhawk ASIC) (members)	PCIe	Windows Server 2012

Hewlett Packard Enterprise

Device	Bus Type	Windows	(Red Hat) Enterprise Linux
CN1000Q	PCIe	Windows Server 2008	5.0 (base)
CN1100E	PCIe	Windows Server 2003, Windows Server 2008	5.0 (base)
NC553i	PCIe	Windows Server 2008	5.0 (base)

QLogic

Device	Bus Type	Windows
QLE8200 series (FCoE) (members)	PCIe	Windows Server 2008
QLE8300 series (FCoE) (members)	PCIe	Windows Server 2008, Windows Server 2012
QLE8400 series (FCoE) (members)	PCIe	Windows Server 2008, Windows Server 2012

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Emulex

Backtrack	Family	Family Members
Backtrack	OneConnect OCe11000 series (FCoE BE3 ASIC)	OCe11102 (FCoE)
Backtrack	OneConnect OCe14000 series (FCoE Skyhawk ASIC)	OCe14102 (FCoE), OCm14102-OCP (FCoE)
Backtrack	OneConnect OCe14401 Series (FCoE Skyhawk ASIC)	OCe14401 (FCoE), OCe14401B (FCoE)

QLogic

Backtrack	Family	Family Members
Backtrack	QLE8200 series (FCoE)	QLE8240 (FCoE), QLE8242 (FCoE)
Backtrack	QLE8300 series (FCoE)	QLE8360 (FCoE), QLE8362 (FCoE)
Backtrack	QLE8400 series (FCoE)	QLE8440 (FCoE), QLE8442 (FCoE)

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Bridges and Routers

Cisco Systems

Device
N5K-1008

Switches

Cisco Systems

Device
Nexus 5010

Hewlett Packard Enterprise

Device
2408 FCoE CN Switch

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iSCSI Solutions

This list of tested iSCSI components represents what has been tested in Veritas labs, or in Veritas-supervised partner labs. The listed components in each row should be used together to ensure compatibility. This section is a mix of physical and virtual TAPE libraries. iSCSI disk solutions are listed in the appropriate Disk sections of this HCL.

Please Note:

1. Each column within the configuration tables represents the key components that were tested in an iSCSI SAN with the Backup Exec Enterprise Server Option (ESO).

2. To ensure compatibility, Veritas, the device manufacturers, and the operating system vendor must support the combination of iSCSI devices.

3. Configurations that use the Microsoft iSCSI initiator aren't supported with the Simplified Disaster Recovery (SDR) option.

4. The firmware and driver versions listed are minimum recommended levels. For device support and firmware/driver updates, please contact your hardware vendor.

5. Where possible, avoid mixing of vendor HBAs. All like HBAs within your SAN should use the same firmware, BIOS and driver revision.

6. In some cases, tape libraries with mixed media drive types were tested. Either drive type may be used.

7. The "ULTRIUM-TD" and the "ULT3580-TD" inquiry strings are interchangeable (both are supported), unless otherwise indicated. The "ULTRIUM-HH" and the "ULT3580-HH" inquiry strings are interchangeable (both are supported), unless otherwise indicated.

Amazon

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Amazon AWS Storage Gateway VTL ~ 16-Dec-2014 ~ AWS^^^^^Gateway-VTL [1]	IBM TotalStorage 3580 Ultrium 5 ~ N/A ~ IBM^^^^^ULT3580-TD5	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.1.7601.18386 - N/A	Amazon AWS iSCSI device ~ N/A
Amazon AWS Storage Gateway VTL ~ 16-Dec-2014 ~ AWS^^^^^Gateway-VTL [1]	IBM TotalStorage 3580 Ultrium 5 ~ N/A ~ IBM^^^^^ULT3580-TD5	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.2.9200.16813 - N/A	Amazon AWS iSCSI device ~ N/A
Amazon AWS Storage Gateway VTL ~ 16-Dec-2014 ~ AWS^^^^^Gateway-VTL [1]	IBM TotalStorage 3580 Ultrium 5 ~ N/A ~ IBM^^^^^ULT3580-TD5	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.3.9600.16384 - N/A	Amazon AWS iSCSI device ~ N/A

1. This device includes Cloud features. Please see the Amazon Cloud Storage section for specifics.

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BDT

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
BDT RDStor ~ R1.03 ~ BDT^^^^^RDStor_T [1]	Hewlett Packard Enterprise Ultrium 1840 LTO4 ~ N/A ~ HP^^^^^^Ultrium^4-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.0.6001.18000 - N/A	BDT Direct iSCSI Device ~ N/A

1. To Import, insert the RDX media into the slot(s) and select Scan from Backup Exec. Due to the physical differences between the RDstor and a tape library, regular import jobs will result in error messages in the import job log.

Dell EMC

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Dell EMC PowerVault TL2000 ~ 6.60 ~ IBM^^^^^3573-TL [1]	IBM System Storage TS2230 Ultrium 3 Half Height ~ 73P9 ~ IBM^^^^^ULT3580-HH3	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - 1.5	Dell EMC TL24iSCSIxSAS ~ v1.00.02
Dell EMC PowerVault TL2000 ~ 6.60 ~ IBM^^^^^3573-TL [1]	IBM System Storage TS2250 Ultrium 5 Half Height ~ N/A ~ IBM^^^^^ULT3580-HH5	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - 1.5	Dell EMC TL24iSCSIxSAS ~ v1.00.02
Dell EMC PowerVault TL2000 ~ 6.60 ~ IBM^^^^^3573-TL [1]	IBM System Storage TS2340 Ultrium 4 ~ 74H6 ~ IBM^^^^^ULT3580-TD4	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - 1.5	Dell EMC TL24iSCSIxSAS ~ v1.00.02
Dell EMC PowerVault TL2000 ~ 6.60 ~ IBM^^^^^3573-TL [1]	IBM Ultrium 4 Half Height ~ 89B1 ~ IBM^^^^^ULTRIUM-HH4	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - 1.5	Dell EMC TL24iSCSIxSAS ~ v1.00.02
Dell EMC PowerVault TL4000 ~ 6.60 ~ IBM^^^^^3573-TL [1]	IBM System Storage TS2230 Ultrium 3 Half Height ~ 73P9 ~ IBM^^^^^ULT3580-HH3	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - 1.5	Dell EMC TL24iSCSIxSAS ~ v1.00.02
Dell EMC PowerVault TL4000 ~ 6.60 ~ IBM^^^^^3573-TL [1]	IBM System Storage TS2250 Ultrium 5 Half Height ~ N/A ~ IBM^^^^^ULT3580-HH5	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - 1.5	Dell EMC TL24iSCSIxSAS ~ v1.00.02
Dell EMC PowerVault TL4000 ~ 6.60 ~ IBM^^^^^3573-TL [1]	IBM System Storage TS2340 Ultrium 4 ~ 74H6 ~ IBM^^^^^ULT3580-TD4	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - 1.5	Dell EMC TL24iSCSIxSAS ~ v1.00.02
Dell EMC PowerVault TL4000 ~ 6.60 ~ IBM^^^^^3573-TL [1]	IBM Ultrium 4 Half Height ~ 89B1 ~ IBM^^^^^ULTRIUM-HH4	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - 1.5	Dell EMC TL24iSCSIxSAS ~ v1.00.02
Dell EMC PowerVault TL4000 ~ A.50 ~ IBM^^^^^3573-TL	IBM System Storage TS2240 Ultrium 4 Half Height ~ B171 ~ IBM^^^^^ULT3580-HH4	Microsoft iSCSI Software Initiator ~ N/A 6.1.7600.16385 - N/A	Dell EMC TL24iSCSIxSAS ~ v1.00.05
Dell EMC PowerVault TL4000 ~ A.50 ~ IBM^^^^^3573-TL [1]	IBM System Storage TS2250 Ultrium 5 Half Height ~ B171 ~ IBM^^^^^ULT3580-HH5	Microsoft iSCSI Software Initiator ~ N/A 6.1.7600.16385 - N/A	Dell EMC TL24iSCSIxSAS ~ v1.00.05

1. See the referenced document for more details. (<http://www.symantec.com/docs/TECH65411>)

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Hewlett Packard Enterprise

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Hewlett Packard Enterprise D2D100 Series Backup System ~ kn6C-001.231 ~ HP^^^^^^D2DBS [1] [2]	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ N/A ~ HP^^^^^^Ultrium^2-SCSI	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.1748 - 2.03	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise D2D100 Series Backup System ~ kn77 ~ HP^^^^^^D2DBS [1] [2]	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ N/A ~ HP^^^^^^Ultrium^2-SCSI	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.1748 - 2.03	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise D2D100 Series Backup System ~ kn7b ~ HP^^^^^^D2DBS [1] [2]	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ N/A ~ HP^^^^^^Ultrium^2-SCSI	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.1748 - 2.03	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise D2D2500 Series Backup System ~ pf86 ~ HP^^^^^^D2DBS [1] [3]	Hewlett Packard Enterprise Ultrium 1840 LTO4 ~ N/A ~ HP^^^^^^Ultrium^4-SCSI	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - N/A	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise D2D4000 Series Backup System ~ pf86 ~ HP^^^^^^D2DBS [1] [3]	Hewlett Packard Enterprise Ultrium 1840 LTO4 ~ N/A ~ HP^^^^^^Ultrium^4-SCSI	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3640 - N/A	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise StoreOnce 2700 ~ N/A ~ HP^^^^^^D2DBS	Hewlett Packard Enterprise Ultrium 3280 LTO5 ~ N/A ~ HP^^^^^^Ultrium^5-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.1.7601.18386 - N/A	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise StoreOnce 2900 ~ N/A ~ HP^^^^^^D2DBS	Hewlett Packard Enterprise Ultrium 3280 LTO5 ~ N/A ~ HP^^^^^^Ultrium^5-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.1.7601.18386 - N/A	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise StoreOnce VSA ~ EL01 ~ HP^^^^^^D2DBS [4] [5] [6] [7]	Hewlett Packard Enterprise Ultrium 3280 LTO5 ~ ED51 ~ HP^^^^^^Ultrium^5-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.3.9600.17328 - N/A	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise VLS 1000i ~ 2.6.0.226 ~ HP^^^^^^VLS1000i [1] [8]	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ N/A ~ HP^^^^^^Ultrium^2-SCSI	QLogic QLA4052C ~ N/A 2.1.2.0 - 2.0.0.7	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A
Hewlett Packard Enterprise VLS 1000i ~ 2.6.0.228 ~ HP^^^^^^VLS1000i [1] [8]	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ N/A ~ HP^^^^^^Ultrium^2-SCSI	QLogic QLA4052C ~ ql40xx.sys 2.1.3.26 - 2.0.0.7	Hewlett Packard Enterprise Direct iSCSI Device ~ N/A

1. Each VTL may only be assigned to a single server (no sharing), but the physical library may be connected to multiple servers.
2. Minimum VTL software version kn7b is required to support automated robotic import/export functionality.
3. This VTL also supports HPE LTO2, LTO3, LTO4, and LTO5 tape drive emulation. These combinations are also supported.
4. Each VTL may only be assigned to a single server (no sharing).
5. For device details and platform support refer to: <http://www8.hp.com/h20195/v2/GetDocument.aspx?docname=c04328820>
6. StoreOnce VSA is a virtual appliance supported on VMware 5.x
7. StoreOnce VSA is a virtual appliance supported on Windows Server 2012 Hyper-V R2

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8. Both the "VLS1000i" and "VLS1002i" models are supported. The difference is in the capacity.

Overland Storage

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Overland Storage REO 1500 ~ 4.0.2.36 ~ OVERLANDREO^Series [1]	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ N/A ~ HP^^^^^^Ultrium^2-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 5.2.3790.3497 - N/A	Overland Storage Direct iSCSI Device ~ N/A
Overland Storage REO 4600 ~ N/A ~ OVERLANDREO^Series	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ N/A ~ HP^^^^^^Ultrium^2-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 5.2.3790.3497 - N/A	Overland Storage Direct iSCSI Device ~ N/A

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

Quantum

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Quantum DXi3500/DXi5500 Dxi Series ~ 0400 ~ QUANTUM^DXi [1]	Quantum DLT 7000 ~ N/A ~ QUANTUM^DLT7000	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3099 - 2.03	Quantum Direct iSCSI Device ~ N/A
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ F63Z ~ HP^^^^^^Ultrium^2-SCSI	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ F63Z ~ HP^^^^^^Ultrium^2-SCSI	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ G36Z ~ HP^^^^^^Ultrium^3-SCSI	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ G36Z ~ HP^^^^^^Ultrium^3-SCSI	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Quantum DLT-S4 ~ 1414 (V20) ~ QUANTUM^DLT-S4	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Quantum DLT-S4 ~ 1414 (V20) ~ QUANTUM^DLT-S4	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4050C ~ ql40xx.sys 2.1.3.26 - 2.0.0.45	QLogic SANbox 6142 ~ 2.2.1.1c

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Quantum

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500 [1]	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX720 ~ 1.01 ~ QUANTUM^PX720 [1]	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX720 ~ 1.01 ~ QUANTUM^PX720 [1]	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum RDX8000 ~ R1.08 ~ QUANTUM^RDX8000_T [2]	Quantum LTO-4 ~ N/A ~ QUANTUM^ULTRIUM^4	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.0.6001.18000 - N/A	Quantum Direct iSCSI Device ~ N/A
Quantum Scalar i40 ~ 120G ~ QUANTUM^Scalar^i40-i80	Hewlett Packard Enterprise Ultrium 3000 LTO5 ~ Y23Z ~ HP^^^^^^Ultrium^5-SCSI	Microsoft iSCSI Software Initiator ~ N/A 6.1.7600.16385 - N/A	Chelsio USR1100-ESAS-FB ~ USR_v2.0.1
Quantum Scalar i500 ~ 586G ~ Quantum^Scalar^i500	Hewlett Packard Enterprise Ultrium 3280 LTO5 ~ X38Z ~ HP^^^^^^Ultrium^5-SCSI	Microsoft iSCSI Software Initiator ~ N/A 6.1.7600.16385 - N/A	Chelsio USR1100-ESAS-FB ~ USR_v2.0.1
Quantum Scalar i80 ~ 120G ~ QUANTUM^Scalar^i40-i80	Hewlett Packard Enterprise Ultrium 3000 LTO5 ~ Y23Z ~ HP^^^^^^Ultrium^5-SCSI	Microsoft iSCSI Software Initiator ~ N/A 6.1.7600.16385 - N/A	Chelsio USR1100-ESAS-FB ~ USR_v2.0.1

1. Please note: this device is nearing the end of support. Please see the 'Retiring Soon' section .

2. To Import, insert the RDX media into the slot(s) and select "Scan" from Backup Exec. Due to the physical design of the RDX8000, regular Backup Exec import jobs will result in error messages in the import job log.

Quest

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Quest DR4000 (Dell) ~ 0104 ~ DELL^^^^DR_L700 [1] [2] [3]	IBM TotalStorage 3580 Ultrium 4 ~ 0104 ~ IBM^^^^^ULT3580-TD4	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.1.7601.18386 - N/A	Quest Direct iSCSI Device ~ N/A
Quest DR4100 (Dell) ~ 0104 ~ DELL^^^^DR_L700 [1] [2] [3] [4]	IBM TotalStorage 3580 Ultrium 4 ~ 0104 ~ IBM^^^^^ULT3580-TD4	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.1.7601.18386 - N/A	Quest Direct iSCSI Device ~ N/A

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Quest

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Quest DR4300 (Dell) ~ 0104 ~ DELL^^^^DR_L700 [1] [2] [3] [5]	IBM TotalStorage 3580 Ultrium 4 ~ 0104 ~ IBM^^^^^ULT3580-TD4	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.1.7601.18386 - N/A	Quest Direct iSCSI Device ~ N/A

1. Each VTL may only be assigned to a single server (no sharing).

2. Minimum DR software of 3.2.0.1 is required.

3. The Dell library string is supported. The Quest library string is not supported and it will not work with Backup Exec 15. The Quest library string is supported in newer versions of Backup Exec.

4. The DR6000 is also supported as a member of the 12g family.

5. The DR4300e and DR6300 are also supported as members of the 13g family.

StorageTek

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
StorageTek SL500 ~ 1048 ~ STK^^^^^SL500	IBM TotalStorage 3580 Ultrium 3 ~ 5BG2 ~ IBM^^^^^ULT3580-TD3	QLogic QLA4050C ~ ql40xx.sys 2.1.2.5 - 2.0.0.7	QLogic SANbox 6140 ~ 2.0.7.2d
StorageTek SL500 ~ 1048 ~ STK^^^^^SL500	IBM TotalStorage 3580 Ultrium 3 ~ 5BG2 ~ IBM^^^^^ULT3580-TD3	QLogic QLA4050C ~ ql40xx.sys 2.1.2.5 - 2.0.0.7	QLogic SANbox 6142 ~ 2.1.4.0a

Tandberg

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Tandberg DPS1100 VTL ~ 0363 ~ TANDBERGDPS1000 [1]	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ G39W ~ HP^^^^^^Ultrium^3-SCSI	Microsoft iSCSI Software Initiator ~ e1g60i32.sys 6.0.6002 - N/A	Tandberg Direct iSCSI Device ~ N/A
Tandberg DPS1200 VTL ~ 0363 ~ TANDBERGDPS1000 [1]	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ G39W ~ HP^^^^^^Ultrium^3-SCSI	Microsoft iSCSI Software Initiator ~ e1g60i32.sys 6.0.6002 - N/A	Tandberg Direct iSCSI Device ~ N/A

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Tandberg

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Tandberg RDX QuikStation ~ 0111 ~ TANDBERGQuikStation [2] [3] [4]	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ D237 ~ HP^^^^^^Ultrium^3-SCSI	Microsoft iSCSI Software Initiator ~ e1g6030e.sys 6.0.6002 - N/A	Tandberg Direct iSCSI Device ~ N/A
Tandberg RDX QuikStation ~ 0210 ~ TANDBERGQuikStation [2] [3] [4]	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ D237 ~ HP^^^^^^Ultrium^3-SCSI	Microsoft iSCSI Software Initiator ~ N/A 6.1.7601.17514 - N/A	Tandberg Direct iSCSI Device ~ N/A
Tandberg RDX QuikStation 4 ~ N/A ~ TANDBERGQuikStation [3] [4]	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ D237 ~ HP^^^^^^Ultrium^3-SCSI	Microsoft iSCSI Software Initiator ~ N/A 6.1.7601.17514 - N/A	Tandberg Direct iSCSI Device ~ N/A
Tandberg RDX QuikStation 8 ~ 01.003.02 ~ TANDBERGQuikStation [3] [4]	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ D237 ~ HP^^^^^^Ultrium^3-SCSI	Microsoft iSCSI Software Initiator ~ N/A 6.1.7601.17514 - N/A	Tandberg Direct iSCSI Device ~ N/A

1. Each VTL may only be assigned to a single server (no sharing), but the physical library may be connected to multiple servers.
2. See the referenced document for more details. (<https://www.veritas.com/content/support/en_US/article.100005429>)
3. The VTL may only be assigned to a single server (no sharing).
4. This VTL has been validated as a backup device for use with VMware.

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Support End-of-Life

EOL Notice: These devices are no longer officially supported for use with this version of Backup Exec. This is a periodic process to bring Backup Exec support in line with what is still supported by the hardware vendors and/or the device's age, capacity or performance. Please be aware that different vendors may have different EOL policies for their particular model of a common device. See the HCL introduction for further clarification of our policies and goals. No changes were made to Backup Exec to drop support or recognition for these devices, so it is fully expected that they will continue to work with this version of Backup Exec. But if a problem is discovered with the device, it is likely that vendor support, repair parts, and/or firmware fixes are no longer available which limits the ability of our Veritas technical support team to help resolve your issue. Please be aware that Windows 2008 treats some devices (especially ATAPI/IDE/SATA) different than Windows 2003 did, so if you are moving old hardware to a new server, the operating system change may have more of an impact than changing versions of Backup Exec.

OST Note: The OST section contains rows that frequently indicate that support for a plug-in has expired, per the OST vendor's request. Please do not assume that support for the entire device is withdrawn. Your OST device and OST plug-in version probably just need to be updated.

End-of-Life OST-Appliance

This OST section contains rows that frequently indicate that support for a plug-in has expired, per the OST vendor's request. Please do not assume that support for the entire device is withdrawn. Your OST device and OST plug-in version probably just need to be updated.

Dell EMC

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DR Series	DR4000, DR4100, DR6000	2.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Dell EMC Data Domain

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
Appliance series	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800	2.4	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
Appliance series	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800	2.5	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

ExaGrid

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
EX series	EX1000, EX2000, EX3000, EX4000, EX5000, EX7000, EX7000-SEC, EX10000E, EX10000E-SEC, EX13000E, EX13000E-SEC, EX21000E, EX21000E-SEC, EX32000E, EX32000E-SEC, EX40000E, EX40000E-SEC, EX63000E, EX63000E-SEC	V10.3.0	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication

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Fujitsu

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
ETERNUS CS800 S3	ETERNUS CS800 S3	2.5.2	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
ETERNUS CS800 S3	ETERNUS CS800 S3	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S4	ETERNUS CS800 S4	2.6	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
ETERNUS CS800 S4	ETERNUS CS800 S4	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi2500-D	DXi2500-D	2.5.2	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi2500-D	DXi2500-D	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi2500-D	DXi2500-D	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4000 Series	DXi4510, DXi4520, DXi4601	2.5.2	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi4000 Series	DXi4510, DXi4520, DXi4601	2.6.0	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi4000 Series	DXi4510, DXi4520, DXi4601	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4000 Series	DXi4510, DXi4520, DXi4601	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi4700 Series	DXi4701	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4700 Series	DXi4701	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6000 Series	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	2.5.2	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi6000 Series	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	2.6.0	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi6000 Series	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6000 Series	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6700 Series	DXi6700, DXi6701, DXi6702	2.5.2	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi6700 Series	DXi6700, DXi6701, DXi6702	2.6.0	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi6700 Series	DXi6700, DXi6701, DXi6702	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6700 Series	DXi6700, DXi6701, DXi6702	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6800 Series	DXi6802	2.6.0	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi6800 Series	DXi6802	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6800 Series	DXi6802	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6900 Series	DXi6900, DXi6900-S	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi7500 Series	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	2.5.2	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi7500 Series	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi7500 Series	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi8500 Series	DXi8500, DXi8500 2TB, DXi8500 3TB	2.5.2	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi8500 Series	DXi8500, DXi8500 2TB, DXi8500 3TB	2.6.0	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi8500 Series	DXi8500, DXi8500 2TB, DXi8500 3TB	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi8500 Series	DXi8500, DXi8500 2TB, DXi8500 3TB	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi V Series	DXi V1000, DXi V2000, DXi V4000	2.6.0	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
DXi V Series	DXi V1000, DXi V2000, DXi V4000	2.7.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi V Series	DXi V1000, DXi V2000, DXi V4000	2.7.2	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Veritas

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
NetBackup 5000	NetBackup 5000	6.6.0	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
NetBackup 5020	NetBackup 5020	6.6.1	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication
NetBackup 5020	NetBackup 5020	6.6.4	Ethernet	✔	✔		Basic Deduplication, Optimized Duplication

End-of-Life iSCSI Shared Storage

actidata

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
actidata actiDisk vTanis RDX ~ N/A ~ BDT^^^^^RDStor_T	Hewlett Packard Enterprise Ultrium 1840 LTO4 ~ N/A ~ HP^^^^^^Ultrium^4-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.0.6001.18000 - N/A	actidata Direct iSCSI Device ~ N/A

Imation

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Imation RDX A8 ~ R1.04 ~ IMATION^A8^T	Hewlett Packard Enterprise Ultrium 1840 LTO4 ~ N/A ~ HP^^^^^^Ultrium^4-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 6.0.6001.18000 - N/A	Imation Direct iSCSI Device ~ N/A

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Retiring Soon

The devices in this section will not be listed as supported in the Hardware Compatibility List for the next major Backup Exec release after Backup Exec 15 (i.e unsupported in Backup Exec 16). Many of these devices are end-of-life products that are no longer supported by the manufacturer. This is a prediction, subject to frequent change, until the next version is actually released. This section is primarily for your education only as **IT HAS NO DIRECT IMPACT ON YOUR CURRENT SUPPORTABILITY.**

If this list contains a device you are actively using and are concerned about lack of support, please email <Backup_Exec_HCL@veritas.com> with details of the specific device you are using.

Retiring Disk Storage

Quantum

Family	Connectivity	Basic B2D	GRT Tested	Devices	BEDedup
DXi2500-D	CIFS	✔	S	DXi2500-D	
DXi3500	CIFS	✔	S	DXi3500	

Retiring OST-Appliance

This OST section contains rows that frequently indicate that support for a plug-in will expire in the next version of Backup Exec, per the OST vendor's request. Please do not assume that support for the entire device is withdrawn. Your OST device and OST plug-in version probably just need to be updated.

Dell EMC

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DR Series	DR4000, DR4100, DR6000	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DR Series	DR4000, DR4100, DR6000	3.1	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Dell EMC Data Domain

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
Appliance series	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800	2.6	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

Fujitsu

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
ETERNUS CS800 S3	ETERNUS CS800 S3	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S4	ETERNUS CS800 S4	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
ETERNUS CS800 S5	ETERNUS CS800 S5	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi2500-D	DXi2500-D	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi2500-D	DXi2500-D	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi4000 Series	DXi4510, DXi4520, DXi4601	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4000 Series	DXi4510, DXi4520, DXi4601	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4700 Series	DXi4701	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi4700 Series	DXi4701	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6000 Series	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6000 Series	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6700 Series	DXi6700, DXi6701, DXi6702	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6700 Series	DXi6700, DXi6701, DXi6702	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6800 Series	DXi6802	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6800 Series	DXi6802	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6900 Series	DXi6900, DXi6900-S	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi6900 Series	DXi6900, DXi6900-S	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi7500 Series	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi7500 Series	DXi7500 Enterprise, DXi7500 Express, DXi7500-N	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

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Quantum

Storage Server Family	Storage Server Family Members	Plug-in	Data Interface	Windows Server 2003	Windows Server 2008	Windows Server 2012	Supported OpenStorage Functionality
DXi8500 Series	DXi8500, DXi8500 2TB, DXi8500 3TB	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi8500 Series	DXi8500, DXi8500 2TB, DXi8500 3TB	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi V Series	DXi V1000, DXi V2000, DXi V4000	2.9	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication
DXi V Series	DXi V1000, DXi V2000, DXi V4000	3.0	Ethernet	✔	✔	✔	Basic Deduplication, Optimized Duplication

Retiring Tape Drives

Dell EMC

Device	Inquiry String	Drive Interface
PowerVault 110T LTO2 (Certance)	CERTANCEULTRIUM^2	SCSI
PowerVault 110T SDLT320	QUANTUM^SDLT320	SCSI

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Quantum

Device	Inquiry String	Drive Interface
DAT 72 USB	QUANTUM^DAT^^^^DAT72	SATA
DAT 72	QUANTUM^DAT^^^^DAT72	SATA
DAT 72	QUANTUM^DAT^^^^DAT72	SCSI
LTO-2 HH	CERTANCEULTRIUM^2	SCSI
SDLT 320	QUANTUM^SDLT320	SCSI
SDLT 600	QUANTUM^SDLT600	SCSI

Retiring Tape Libraries with Drives

ADIC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
Scalar 24 LUN	Fibre Channel	IBM	Ultrium 3	Fibre Channel	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD3
Scalar 24 LUN	Fibre Channel	IBM	Ultrium 4	Fibre Channel	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD4
Scalar 24 LUN	SCSI	IBM	Ultrium 3	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD3
Scalar 24	Fibre Channel	IBM	Ultrium 3	Fibre Channel	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD3
Scalar 24	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULT3580-TD2
Scalar 24	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULT3580-TD3
Scalar 24	SCSI	IBM	Ultrium 2	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD2

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ADIC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
Scalar 24	SCSI	IBM	Ultrium 4 (U160)	SCSI	ADIC^^^^Scalar^24 IBM^^^^^ULTRIUM-TD4

Dell EMC

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
PowerVault 124T	SCSI	Certance	CL 400 LTO Ultrium 2	SCSI	DELL^^^^PV-124T CERTANCEULTRIUM^2
PowerVault 132T	SCSI	Dell EMC	PowerVault 132T LTO	SCSI	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD1
PowerVault 132T	SCSI	Dell EMC	PowerVault 132T LTO2	SCSI	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD2
PowerVault 132T	SCSI	IBM	Ultrium 3	SCSI	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD3
PowerVault 132T LUN	Fibre Channel	IBM	Ultrium 2	Fibre Channel	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD2
PowerVault 132T LUN	Fibre Channel	IBM	Ultrium 3	Fibre Channel	DELL^^^^PV-132T IBM^^^^^ULTRIUM-TD3
PowerVault 160T	Fibre Channel	IBM	TotalStorage 3580 Ultrium 2	Fibre Channel	ADIC^^^^Scalar^i2000 IBM^^^^^ULT3580-TD2

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IBM

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
33614LX	Fibre Channel	IBM	Ultrium 3	Fibre Channel	IBM^^^^^33614LX IBM^^^^^ULTRIUM-TD3
33614LX	SCSI	IBM	Ultrium 3	SCSI	IBM^^^^^33614LX IBM^^^^^ULTRIUM-TD3
33622LX	SCSI	IBM	TotalStorage 3580 Ultrium 3	SCSI	IBM^^^^^33622LX IBM^^^^^ULT3580-TD3

Overland Storage

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
ARCvault series	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	OVERLANDARCvault HP^^^^^^Ultrium^3-SCSI
ARCvault series	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	OVERLANDARCvault HP^^^^^^Ultrium^4-SCSI
ARCvault series	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	OVERLANDARCvault HP^^^^^^Ultrium^4-SCSI
ARCvault series	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	OVERLANDARCvault HP^^^^^^Ultrium^2-SCSI
ARCvault series	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	OVERLANDARCvault HP^^^^^^Ultrium^3-SCSI
ARCvault series	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	OVERLANDARCvault HP^^^^^^Ultrium^4-SCSI
NEO series	Fibre Channel	Hewlett Packard Enterprise	Ultrium 3280 LTO5	Fibre Channel	OVERLANDNEO^Series HP^^^^^^Ultrium^5-SCSI
NEO series	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	OVERLANDNEO^Series HP^^^^^^Ultrium^2-SCSI

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Overland Storage

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
NEO series	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	OVERLANDNEO^Series HP^^^^^^Ultrium^3-SCSI
NEO series	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	OVERLANDNEO^Series HP^^^^^^Ultrium^3-SCSI
NEO series	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	OVERLANDNEO^Series HP^^^^^^Ultrium^4-SCSI
NEO series	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	OVERLANDNEO^Series HP^^^^^^Ultrium^4-SCSI
NEO series	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	OVERLANDNEO^Series IBM^^^^^ULT3580-TD2

Qualstar

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
RLS-4000 AIT series	SCSI	Sony	SDX-900V AITi520/S (AIT-4)	SCSI	QUALSTARRLS-4 SONY^^^^SDX-900V
RLS-4000 AIT series	SCSI	Sony	SDX-1100 AITi1040 (AIT-5)	SCSI	QUALSTARRLS-4 SONY^^^^SDX-1100
RLS-8000 LTO series	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	QUALSTARRLS-8 IBM^^^^^ULT3580-TD2
RLS-8000 LTO series	SCSI	IBM	Ultrium 2	Fibre Channel	QUALSTARRLS-8 IBM^^^^^ULTRIUM-TD2
RLS-8000 LTO series	SCSI	IBM	Ultrium 2	SCSI	QUALSTARRLS-8 IBM^^^^^ULTRIUM-TD2
TLS-4000 AIT series	SCSI	Sony	SDX-900V AITi520/S (AIT-4)	SCSI	QUALSTARTLS-4 SONY^^^^SDX-900V

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Qualstar

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
TLS-4000 AIT series	SCSI	Sony	SDX-1100 AITi1040 (AIT-5)	SCSI	QUALSTARTLS-4 SONY^^^^SDX-1100
TLS-5000 SAIT series	Fibre Channel	Sony	SDZ-130 SAITi1300SS (SAIT)	Fibre Channel	QUALSTARTLS-5 SONY^^^^SDZ-130

Quantum

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
PX500 Series	Fibre Channel	Quantum	DLT-S4	Fibre Channel	QUANTUM^PX500 QUANTUM^DLT-S4
PX500 Series	SCSI	Hewlett Packard Enterprise	Ultrium 920 LTO3	SCSI	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI
PX500 Series	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI
PX500 Series	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI
PX500 Series	SCSI	Quantum	DLT-S4	SCSI	QUANTUM^PX500 QUANTUM^DLT-S4
PX500 Series	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^PX500 QUANTUM^ULTRIUM^3
PX720	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	QUANTUM^PX720 HP^^^^^^Ultrium^2-SCSI
PX720	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	QUANTUM^PX720 HP^^^^^^Ultrium^4-SCSI
PX720	Fibre Channel	Quantum	DLT-S4	Fibre Channel	QUANTUM^PX720 QUANTUM^DLT-S4

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Quantum

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
PX720	Fibre Channel	Quantum	SDLT 600	Fibre Channel	QUANTUM^PX720 QUANTUM^SDLT600
PX720	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	QUANTUM^PX720 HP^^^^^^Ultrium^2-SCSI
PX720	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	QUANTUM^PX720 HP^^^^^^Ultrium^3-SCSI
PX720	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^PX720 HP^^^^^^Ultrium^3-SCSI
PX720	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	QUANTUM^PX720 HP^^^^^^Ultrium^4-SCSI
PX720	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	QUANTUM^PX720 HP^^^^^^Ultrium^4-SCSI
PX720	SCSI	Quantum	SDLT 320	SCSI	QUANTUM^PX720 QUANTUM^SDLT320
PX720	SCSI	Quantum	SDLT 600	SCSI	QUANTUM^PX720 QUANTUM^SDLT600
Scalar 50 (PX500)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI
Scalar 50 (PX500)	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI
Scalar 50 (PX500)	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^PX500 QUANTUM^ULTRIUM^3
Scalar 50 (SCALAR50)	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	QUANTUM^SCALAR50 HP^^^^^^Ultrium^4-SCSI
Scalar 50 (SCALAR50)	Fibre Channel	Quantum	DLT-S4	Fibre Channel	QUANTUM^SCALAR50 QUANTUM^DLT-S4
Scalar 50 (SCALAR50)	SAS	Hewlett Packard Enterprise	Ultrium 1760 LTO4	SAS	QUANTUM^SCALAR50 HP^^^^^^Ultrium^4-SCSI
Scalar 50 (SCALAR50)	SCSI	Hewlett Packard Enterprise	Ultrium 1840 LTO4	SCSI	QUANTUM^SCALAR50 HP^^^^^^Ultrium^4-SCSI

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Quantum

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
Scalar 50 (SCALAR50)	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^SCALAR50 QUANTUM^ULTRIUM^3
SuperLoader 3	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	QUANTUM^UHDL HP^^^^^^Ultrium^3-SCSI
SuperLoader 3	Fibre Channel	Quantum	DLT-S4	Fibre Channel	QUANTUM^UHDL QUANTUM^DLT-S4
SuperLoader 3	SCSI	Certance	CL 800 LTO Ultrium 3	SCSI	QUANTUM^UHDL CERTANCEULTRIUM^3
SuperLoader 3	SCSI	Quantum	DLT-V4	SCSI	QUANTUM^UHDL QUANTUM^DLT-V4
SuperLoader 3	SCSI	Quantum	SDLT 600	SCSI	QUANTUM^UHDL QUANTUM^SDLT600

Spectra Logic

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
Spectra T24	SCSI	Hewlett Packard Enterprise	Ultrium 448 LTO2	SCSI	SPECTRA^GECKO HP^^^^^^Ultrium^2-SCSI
T-series	Fibre Channel	IBM	Ultrium 2	Fibre Channel	SPECTRA^PYTHON IBM^^^^^ULTRIUM-TD2
T-series	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	SPECTRA^PYTHON IBM^^^^^ULT3580-TD2

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StorageTek

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
L180	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	STK^^^^^L180 HP^^^^^^Ultrium^2-SCSI
L180	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	STK^^^^^L180 HP^^^^^^Ultrium^4-SCSI
L180	Fibre Channel	IBM	Ultrium 3	Fibre Channel	STK^^^^^L180 IBM^^^^^ULTRIUM-TD3
L180	Fibre Channel	IBM	Ultrium 4	Fibre Channel	STK^^^^^L180 IBM^^^^^ULTRIUM-TD4
L180	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	STK^^^^^L180 HP^^^^^^Ultrium^2-SCSI
L180	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	STK^^^^^L180 HP^^^^^^Ultrium^3-SCSI
L180	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	STK^^^^^L180 IBM^^^^^ULT3580-TD2
L700	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	STK^^^^^L700 HP^^^^^^Ultrium^2-SCSI
L700	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	STK^^^^^L700 HP^^^^^^Ultrium^3-SCSI
L700	Fibre Channel	Hewlett Packard Enterprise	Ultrium 1840 LTO4	Fibre Channel	STK^^^^^L700 HP^^^^^^Ultrium^4-SCSI
L700	Fibre Channel	IBM	TotalStorage 3580 Ultrium 3	Fibre Channel	STK^^^^^L700 IBM^^^^^ULT3580-TD3
L700	Fibre Channel	IBM	Ultrium 4	Fibre Channel	STK^^^^^L700 IBM^^^^^ULTRIUM-TD4
L700	SCSI	Hewlett Packard Enterprise	Ultrium 460 LTO2	SCSI	STK^^^^^L700 HP^^^^^^Ultrium^2-SCSI
L700	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	STK^^^^^L700 HP^^^^^^Ultrium^3-SCSI
L700	SCSI	IBM	TotalStorage 3580 Ultrium 2	SCSI	STK^^^^^L700 IBM^^^^^ULT3580-TD2

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StorageTek

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
L1400	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	Fibre Channel	STK^^^^^L700e HP^^^^^^Ultrium^2-SCSI
L1400	Fibre Channel	Hewlett Packard Enterprise	Ultrium 960 LTO3	Fibre Channel	STK^^^^^L700e HP^^^^^^Ultrium^3-SCSI

Sun

Device	Library Interface	Drive Mfr.	Drive Model	Drive Interface	Library Inquiry Drive Inquiry
StorageTek C4	SCSI	Certance	CL 400 LTO Ultrium 2	SCSI	QUANTUM^PX500 CERTANCEULTRIUM^2
StorageTek C4	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^PX500 HP^^^^^^Ultrium^3-SCSI
StorageTek C4	SCSI	Quantum	LTO-3 HH	SCSI	QUANTUM^PX500 QUANTUM^ULTRIUM^3
StorageTek C4	SCSI	Quantum	LTO-3	SCSI	QUANTUM^PX500 CERTANCEULTRIUM^3
StorEdge C2	SCSI	Certance	CL 400 LTO Ultrium 2	SCSI	QUANTUM^UHDL CERTANCEULTRIUM^2
StorEdge C2	SCSI	Hewlett Packard Enterprise	Ultrium 960 LTO3	SCSI	QUANTUM^UHDL HP^^^^^^Ultrium^3-SCSI
StorEdge C2	SCSI	Quantum	LTO-3	SCSI	QUANTUM^UHDL CERTANCEULTRIUM^3

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Retiring Virtual Tape Libraries with Drives

Overland Storage

Device	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry
REO Series 5.X	Fibre Channel	Hewlett Packard Enterprise	Ultrium 460 LTO2	OVERLANDREO^Series HP^^^^^^Ultrium^2-SCSI

Quantum

Device	Library Interface	Drive Mfr.	Drive Model	Library Inquiry Drive Inquiry
DXi3500/DXi5500 Dxi Series	Fibre Channel	Quantum	DLT 7000	QUANTUM^DXi QUANTUM^DLT7000

Retiring VSS Providers for Offhost backup

Fujitsu

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
ETERNUS2000 series	ETERNUS2000 Model 50, ETERNUS2000 Model 100, ETERNUS2000 Model 200	Fibre Channel	V10L35-0000	Eternus VSS Hardware Provider	1.1.0

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Retiring VDS Providers for Storage Provisioning Option

Dell EMC

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
EqualLogic PS3000 series	EqualLogic PS3000E, EqualLogic PS3000X, EqualLogic PS3000XV	iSCSI	V4.3.5(R115269)	Dell EMC EqualLogic VDS Provider	3.4.2
EqualLogic PS4000 series	EqualLogic PS4000E, EqualLogic PS4000X, EqualLogic PS4000XV, EqualLogic PS4100E, EqualLogic PS4100X, EqualLogic PS4100XV, EqualLogic PS4100XV3.5"	iSCSI	V4.3.5(R115269)	Dell EMC EqualLogic VDS Provider	3.4.2
EqualLogic PS5000 series	EqualLogic PS5000E, EqualLogic PS5000X, EqualLogic PS5000XV, EqualLogic PS5500E	iSCSI	V4.3.5(R115269)	Dell EMC EqualLogic VDS Provider	3.4.2
EqualLogic PS6000 series	EqualLogic PS6000E, EqualLogic PS6000S, EqualLogic PS6000X, EqualLogic PS6000XV, EqualLogic PS6000XVS, EqualLogic PS6010E, EqualLogic PS6010S, EqualLogic PS6010X, EqualLogic PS6010XV, EqualLogic PS6010XVS, EqualLogic PS6100E, EqualLogic PS6100X, EqualLogic PS6100XV, EqualLogic PS6100XV3.5", EqualLogic PS6500E, EqualLogic PS6500X, EqualLogic PS6500XV, EqualLogic PS6510E, EqualLogic PS6510X, EqualLogic PS6600, EqualLogic PX6100S, EqualLogic PX6100XS	iSCSI	V4.3.5(R115269)	Dell EMC EqualLogic VDS Provider	3.4.2
PowerVault DL2000	PowerVault DL2000	SAS	1.0	Dell EMC PERC VDS provider	91.00.36.36
PowerVault DL2100	PowerVault DL2100	SAS	1.2.6	Dell EMC PERC VDS provider	91.01.36.05
PowerVault DL2100	PowerVault DL2100	SAS	2.1	Dell EMC PERC VDS provider	91.02.36.07
PowerVault DL2200	PowerVault DL2200	SAS	3.0	Dell EMC PERC VDS provider	91.02.36.12

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Fujitsu

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
ETERNUS2000 series	ETERNUS2000 Model 50, ETERNUS2000 Model 100, ETERNUS2000 Model 200	iSCSI	V10L78	Fujitsu VDS provider	1.4.0
ETERNUS DX400 series	ETERNUS AF650 S2, ETERNUS AF650 S3, ETERNUS DX410, ETERNUS DX410 S2, ETERNUS DX440, ETERNUS DX440 S2, ETERNUS DX500 S4, ETERNUS DX500 S5, ETERNUS DX600 S4, ETERNUS DX600 S5	Fibre Channel	V20L43-0000	Fujitsu VDS provider	1.4.0

Hitachi

Device Family	Device Family Members	Interface	Minimum Array Firmware	Provider Name	Minimum Provider Version
AMS/WMS series	AMS200, AMS500, AMS1000, WMS100	Fibre Channel	0786/C-S	Hitachi Virtual Disk Service	4.x
SMS/AMS2000 series	AMS2100, AMS2300, AMS2500, SMS100	Fibre Channel	08B5/A-X	Hitachi Virtual Disk Service	4.x

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Retiring FC Bridges and Routers

Overland Storage

Device
Fibre Channel Option (FCO)
NEO VIA FCO

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Retiring iSCSI Shared Storage

Overland Storage

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Overland Storage REO 1500 ~ 4.0.2.36 ~ OVERLANDREO^Series	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ N/A ~ HP^^^^^^Ultrium^2-SCSI	Microsoft iSCSI Software Initiator ~ msiscsi.sys 5.2.3790.3497 - N/A	Overland Storage Direct iSCSI Device ~ N/A

Quantum

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Quantum DXi3500/DXi5500 Dxi Series ~ 0400 ~ QUANTUM^DXi	Quantum DLT 7000 ~ N/A ~ QUANTUM^DLT7000	Microsoft iSCSI Software Initiator ~ iscsiprt.sys 5.2.3790.3099 - 2.03	Quantum Direct iSCSI Device ~ N/A
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ F63Z ~ HP^^^^^^Ultrium^2-SCSI	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Hewlett Packard Enterprise Ultrium 460 LTO2 ~ F63Z ~ HP^^^^^^Ultrium^2-SCSI	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ G36Z ~ HP^^^^^^Ultrium^3-SCSI	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Hewlett Packard Enterprise Ultrium 960 LTO3 ~ G36Z ~ HP^^^^^^Ultrium^3-SCSI	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Quantum DLT-S4 ~ 1414 (V20) ~ QUANTUM^DLT-S4	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Quantum DLT-S4 ~ 1414 (V20) ~ QUANTUM^DLT-S4	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4050C ~ ql40xx.sys 2.1.3.26 - 2.0.0.45	QLogic SANbox 6142 ~ 2.2.1.1c
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21

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Quantum

Library ~ Firmware ~ Inquiry	Drive ~ Firmware ~ Inquiry	HBA ~ Driver ~ Firmware	Interconnect ~ Firmware
Quantum PX500 Series ~ 0008 (V08) ~ QUANTUM^PX500	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX720 ~ 1.01 ~ QUANTUM^PX720	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4050C ~ N/A 2.1.2.0 - N/A	Quantum TC2201 ~ 6.1.21
Quantum PX720 ~ 1.01 ~ QUANTUM^PX720	Quantum SDLT 600 ~ 2525 (V37) ~ QUANTUM^SDLT600	QLogic QLA4052C ~ N/A 2.1.2.5 - N/A	Quantum TC2201 ~ 6.1.21

Retiring NDMP Platforms

Dell EMC

Device	Software Tested	Connection Method	Direct Access Restore	Directory Direct Access Restore	ESO
Celerra series (members)	DART 5.5.25.2	Direct Attach, Remote, 3-way	✔	✔	✔
Celerra series (members)	DART 5.6	Direct Attach, Remote, 3-way	✔	✔	✔
Celerra series (members)	DART 6.0	Direct Attach, Remote, 3-way	✔	✔	✔

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