

Veritas NetBackup TM Enterprise Server and Server 7.0 - 7.6.x Hardware Compatibility List

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Introduction

This Hardware Compatibility List (HCL) document contains information about hardware supported with Veritas NetBackup Enterprise Server and Server 7.0 through 7.6.x. The HCL contains separate sections for each device type. These sections can be accessed by expanding the bookmarks on the left.

To ensure Veritas' support, [tape libraries](#) , [tape drives](#) , [virtual tape devices](#) , [NDMP devices](#) , and Veritas OpenStorage [primary](#) and [secondary](#) solutions must be present on the HCL and must be supported by the device's manufacturer and the operating system vendor in the desired environment. (The list of Fibre Channel devices contained in the [Infrastructure Used for Testing](#) section represents equipment that has been used during NetBackup qualification testing in other sections of this document and is not intended to be a list of supported devices.)

Note: Our support policy is not the same for all device types, so please read the notes at the beginning of each section for information on supported device software and firmware versions.

Qualified hardware listed in this document is tested through the Veritas Technology Partner Program (VTPP). If you would like to have hardware considered for inclusion on this HCL, please contact your hardware partner to ensure they are a member of VTPP and have submitted a request to have their product qualified with NetBackup. Information on Veritas Technology Partner Program is available at <https://partnernet.veritas.com/portal/faces/programs/technology-tracks-overview>

For information about certain NetBackup features, functionality, 3rd-party product integration, Veritas product integration, applications, databases, and OS platforms that Veritas intends to replace with newer and improved functionality, or in some cases, discontinue without replacement, please see the widget titled "NetBackup Future Platform and Feature Plans" at <https://sort.veritas.com/netbackup>

Hardware Compatibility List Users - Would you recommend this HCL to a colleague? If yes, please tell us what we are doing well. If no, please tell us how we could improve. Drop us an email at NetBackup_HCL@veritas.com

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NetBackup Compatibility Lists

We focus on hardware compatibility on this list, so here's a table with links to compatibility information on Operating Systems, Agents and Options, such as: NDMP, Databases, Snapshots, Desktop/Laptop, etc.

We now provide most NetBackup compatibility documents in an HTML format along with the classic PDF. Add [<http://www.netbackup.com/compatibility>](http://www.netbackup.com/compatibility) to your bookmarks for quick links to the documents listed below and much more.

Veritas NetBackup™ 7.0 - 7.6.x Compatibility Lists

Compatibility List Name	URL
NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List (Contains compatibility info for Client, Server, Cluster, NOM, NDMP, BMR, SAN Client, MSEO)	<http://www.veritas.com/docs/000040842>
NetBackup 7.0 - 7.6.x Database and Application Agent Compatibility List	<http://www.veritas.com/docs/000006088>
NetBackup 7.0 - 7.6.x Snapshot Client Compatibility List	<http://www.veritas.com/docs/000006084>
Statement of Support for NetBackup 7.x in a Virtual Environment	<http://www.veritas.com/docs/000006177>
NetBackup for NDMP: NAS appliance information	<http://www.veritas.com/docs/000027113>
Entire listing of NetBackup Compatibility Lists	<http://www.veritas.com/docs/000033647>

Device Mappings Files

New device support in NetBackup is accomplished through the use of device mappings files. The latest version of these files is included in NetBackup release updates and is also available for download independently on the Veritas support site. This file is updated whenever new device support is needed independent of NetBackup release updates.

The first table below contains links to the current versions of the device mappings file packages, along with a list of support added with current and recent versions.

Note: New support listed in this table may require a newer version of NetBackup. See the related section of this HCL to determine if the added device or functionality is supported with versions of NetBackup covered in this HCL.

The second table lists the version of the device mappings file released with NetBackup 7.0 GA and each subsequent Release Update.

Device Mappings Files Packages

Version	OS platforms / URL	Support added
1.136	Linux/UNIX: < http://www.veritas.com/docs/000025759 > Windows: < http://www.veritas.com/docs/000025758 >	<ul style="list-style-type: none">- Scalify RING Storage for LAN (S3)- Scalify RING Storage for WAN (S3)- Oracle Cloud Service (S3)- Quantum Lattus Object Storage (S3)
1.134	Use the most recent version above.	<ul style="list-style-type: none">- Updated ACSLS media types- Chunghwa Telecom Hicloud (S3) - Default Cloud Instance- EMC Elastic Cloud Storage (S3)- Oracle Cloud Service (S3)- Quantum Lattus Object Storage (S3)
1.131	Use the most recent version above.	<ul style="list-style-type: none">- Chunghwa Telecom Hicloud S3- StorReduce Deduplicate Cloud Storage- Telefonica Cloud Storage
1.130	Use the most recent version above.	<ul style="list-style-type: none">- Updates for future NetBackup use
1.129	Use the most recent version above.	<ul style="list-style-type: none">- EMC ATMOS cloud solutions- NetBackup Accelerator support enabled for Datish Systems OpenDedup OST solutions
1.128	Use the most recent version above.	<ul style="list-style-type: none">- HGST Active Archive cloud solutions- Hitachi Content Platform (HCP) cloud solutions- NetBackup Accelerator support enabled for Fujitsu CS800 S6 OST solutions- SwiftStack Object Storage cloud solutions
1.125	Use the most recent version above.	<ul style="list-style-type: none">- Dell DR Series Virtual Tape Library- NetBackup Accelerator support enabled for NEC HYDRAsstor/iStorage/NEC Storage solutions

Device Mappings Files Packages

Version	OS platforms / URL	Support added
1.124	Use the most recent version above.	- Cloudian HyperStore Object Storage

Device Mappings Versions released with NetBackup Versions

NetBackup version	Device Mappings version
7.6.1.2	1.123
7.6.1.1	1.120
7.6.1	1.120
7.6.0.4	1.120
7.6.0.3	1.120
7.6.0.2	1.119
7.6 / 7.6.0.1	1.116
7.5.0.7	1.118
7.5.0.6	1.115
7.5.0.5	1.108
7.5.0.4	1.103
7.5.0.3	1.99
7.5.0.1	1.99
7.5	1.99
7.1.0.4	1.96
7.1.0.3	1.96
7.1.0.2	1.96
7.1.0.1	None

Device Mappings Versions released with NetBackup Versions

NetBackup version	Device Mappings version
7.1 GA	1.88
7.0.1	1.88
7.0 GA	1.86

Disk Storage Units

NetBackup permits the creation of an unlimited number of disk storage units. The types of storage units are described in the table below.

Disk Storage Unit Types

Type of disk storage unit	Description
BasicDisk	<p>A BasicDisk type storage unit consists of a directory on a locally-attached disk or a network-attached disk that is exposed as a file system to a NetBackup media server. NetBackup stores backup data in the specified directory.</p> <p>Notes about BasicDisk type storage units:</p> <ol style="list-style-type: none">1. Do not include the same volume or file system in multiple BasicDisk storage units.2. BasicDisk storage units cannot be used in a storage lifecycle policy.
AdvancedDisk	<p>An AdvancedDisk type storage unit is used for a dedicated disk that is directly attached to a NetBackup media server. AdvancedDisk is available only when the Data Protection Optimization Option is licensed. NetBackup assumes exclusive ownership of the disk resources that comprise an AdvancedDisk disk pool. If the resources are shared with other users, NetBackup cannot manage disk pool capacity or storage lifecycle policies correctly. For AdvancedDisk, the NetBackup media servers function as both data movers and storage servers. For more information on configuring AdvancedDisk, see the NetBackup AdvancedDisk Storage Solutions Guide at <http://www.veritas.com/docs/000003214.></p> <p>AdvancedDisk support assumptions:</p> <ol style="list-style-type: none">1. CIFS-connected storage is supported with NetBackup 7.0.1 and later.2. Veritas InfoScale Foundation and Storage Foundation are supported with NetBackup AdvancedDisk. Please see the Veritas Services and Operations Readiness Tools (SORT) site at <https://sort.veritas.com> for information on disk arrays that are supported with the InfoScale Foundation or Storage Foundation version you're running.3. Connection method of the disk array (parallel SCSI, Fibre Channel, iSCSI, etc) is not a determining factor for support, only that the storage is seen as local disk by the NetBackup Media Server.4. AdvancedDisk functionality is subject to all functional limitations as imposed either by the operating system or by the underlying file system. <p>AdvancedDisk configuration considerations:</p> <ol style="list-style-type: none">1. For UNIX NetBackup Media Servers, AdvancedDisk requires that all LSUs (Logical Storage Units) are active mount points within the UNIX host. Using the NFS automount feature is not recommended with AdvancedDisk.2. Access to NFS storage requires NetBackup daemons to run as root. The NFS server exporting the file system must be configured to allow root access to the file system.3. To ensure support, the disk array must be combined with interconnect hardware that is supported by the disk array manufacturer and the operating system vendor. Refer to the respective vendor's support lists for this information.4. When installing and configuring HBA drivers it is recommended that the array vendor-qualified HBA drivers be used as opposed to the general HBA drivers that are released for each operating system. These array vendor-qualified HBA drivers are typically found in a separate section of the HBA vendor or array vendor's website, often separated by array model.5. Performance may vary depending on the array hardware used.

Type of disk storage unit	Description
OpenStorage	<p>An OpenStorage type storage unit is used for disk storage, usually provided by a third party vendor. The actual name of the disk type depends on the vendor. OpenStorage is available only when the OpenStorage Disk Option is licensed. The storage is integrated into NetBackup through an API. The storage vendor partners with Veritas to integrate the storage into NetBackup. The storage host is the storage server. The NetBackup media servers function as the data movers. The storage vendor's plug-in must be installed on each media server that functions as a data mover. The logon credentials to the storage server must be configured on each media server. For more information on configuring OpenStorage, see the NetBackup OpenStorage Solutions Guide for Disk at http://www.veritas.com/docs/000003214.</p>
PureDisk	<p>A PureDisk disk type storage unit is used for deduplicated data for the following storage destinations:</p> <p>Media Server Deduplication Pool (MSDP): NetBackup deduplicates the data and hosts the storage. MSDP is available only when the NetBackup Data Protection Optimization Option is licensed. For more information on configuring MSDP, see the NetBackup Deduplication Guide at http://www.veritas.com/docs/000003214.</p> <p>PureDisk storage pool: A NetBackup 5000 Series Appliance hosts the storage. For more information on configuring a PureDisk storage pool, see the NetBackup Deduplication Appliance Software Getting Started Guide at http://www.veritas.com/docs/000010419.</p>

Veritas NetBackup Appliances

NetBackup Appliances are Veritas-branded devices offering backup and deduplication solutions for enterprise environments in an appliance form factor. For more information, see the NetBackup Appliances page at <https://www.veritas.com/product/backup-and-recovery/netbackup-appliances/>

NetBackup 5200 Series (Master/Media Server) and 5300 Series (Media Server) Appliances

The following tables list NetBackup 5200 Series and 5300 Series release versions, the Appliance models supported with each version, the associated NetBackup Appliance software version, and the NetBackup Release version on which it is based. The latest 5200 Series and 5300 Series documentation can be found at <http://www.veritas.com/docs/000002217>. Late breaking news related to NetBackup Appliances can be found at <http://www.veritas.com/docs/000010279>.

NetBackup 5300 Series - Supported Versions

NetBackup 5300 Series Appliance Release	Supported NetBackup Appliance Models	NetBackup 5300 Series Appliance Software Version	Based on NetBackup Release
2.6.1.2	5330	7.6.1.2	7.6.1.2
2.6.1.1	5330	7.6.1.1	7.6.1.1
2.6.1	5330	7.6.1	7.6.1

NetBackup 5200 Series - Supported Versions

NetBackup 5200 Series Appliance Release	Supported NetBackup Appliance Models	NetBackup 5200 Series Appliance Software Version	Based on NetBackup Release
2.6.1.2	5230, 5220, 5200	7.6.1.2	7.6.1.2
2.6.1.1	5230, 5220, 5200	7.6.1.1	7.6.1.1
2.6.1	5230, 5220, 5200	7.6.1	7.6.1
2.6.0.4	5230, 5220, 5200	7.6.0.4	7.6.0.4
2.6.0.3	5230, 5220, 5200	7.6.0.3	7.6.0.3
2.6.0.2	5230, 5220, 5200	7.6.0.2	7.6.0.2
2.6	5230, 5220, 5200	7.6	7.6
2.5.3	5230, 5220, 5200	7.5.0.6	7.5.0.6

NetBackup 5200 Series - Supported Versions

NetBackup 5200 Series Appliance Release	Supported NetBackup Appliance Models	NetBackup 5200 Series Appliance Software Version	Based on NetBackup Release
2.5.2	5230, 5220, 5200	7.5.0.5	7.5.0.5
2.5.1	5220, 5200	7.5.0.4	7.5.0.4
2.5	5220, 5200	7.5.0.2	7.5.0.1
2.0.3	5220, 5200	7.1.0.8	7.1.0.4
2.0.2	5220, 5200	7.1.0.7	7.1.0.3
2.0.1	5220, 5200	7.1.0.6	7.1.0.2
2.0	5200	7.1.0.5	7.1.0.1
1.2	5200	7.0.1.8	7.0.1 with additional fixes
1.1.0.2	5200	7.0.1.5	7.0.1 with additional fixes
1.1.0.1	5200	7.0.1.5	7.0.1 with additional fixes

The following table lists NetBackup 5200 Series and 5300 Series-supported functionality and indicates the minimum NetBackup Appliance Release version required for support of that functionality. NetBackup 5200 Series and 5300 Series Appliances can be used with all supported core NetBackup clients (see <http://www.veritas.com/docs/000040842>), application and database agents (see <http://www.veritas.com/docs/000006088>), and Snapshot client configurations (see <http://www.veritas.com/docs/000006084>).

NetBackup 5200 Series and 5300 Series - Supported Functionality

Functionality	Minimum Appliance Release	Notes
NetBackup Master/Media Server	2.0	The Master Server role is only supported on 5200 Series Appliances. Key Management Service (KMS) and NetBackup Access Control (NBAC) are not supported when the Appliance is configured as a Master Server.
NetBackup Media Server	1.1.0.1	The Master Server in the NetBackup domain must be running a version of NetBackup equal to or newer than the NetBackup version on which the appliance is based. Support begins with NetBackup 7.0.1.
Accelerator (for files and folders)	2.5	

NetBackup 5200 Series and 5300 Series - Supported Functionality

Functionality	Minimum Appliance Release	Notes
Accelerator with VMware-type policies	2.6	
Auto Image Replication to MSDP/5200 Series or 5300 Series	2.0	
Auto Image Replication to PDDO/5000 Series	2.0.1	
Client Deduplication / Client Direct over Ethernet	1.1.0.1	Veritas allows NetBackup Clients (NetBackup 7.0 and later) to write data directly to NetBackup Storage Server Appliances. The client hosts the deduplication plug-in that deduplicates the backup data. The plug-in sends only unique segments to the Storage Server, reducing network traffic and distributing CPU load. For the list of supported clients, see the Deduplication Supported Operating Systems section of the NetBackup Version 7.x Operating System Compatibility List at http://www.veritas.com/docs/000040842 .
Fibre Transport Media Server	2.0	Supported with 5220, 5230, and 5330 only.
Granular Recovery Technology (GRT)	1.2	
Granular Recovery Technology (GRT) with VMware-type policies	2.6	Support for VMware-type backup policies with Application Protection options enabled for Exchange or SharePoint.
Instant Recovery for VMware	2.6.1	Support for restoring virtual machines with Instant Recovery is described in the NetBackup for VMware Administrator's Guide at http://www.veritas.com/docs/000003214 and in Article http://www.veritas.com/docs/000074081 . For details on supported platforms for instant recovery restore hosts, see the Statement of Support for NetBackup 7.x in a Virtual Environment at http://www.veritas.com/docs/000006177 .
Key Management Service (KMS)	1.1.0.1 (Media Server) 2.6 (Master Server)	With version 2.6 and later, KMS is supported with Appliances configured as either a Master or a Media Server. With a NetBackupCLI administrator account in the NetBackup Appliance Shell Menu, an Appliance Master Server can administrate KMS with tape devices connected to itself or another NetBackup Appliance. Regenerating the data encryption key is the only supported method of recovering KMS on an Appliance Master Server. With versions earlier than 2.6, KMS is only supported when the Appliance is configured as a Media Server, and a non-Appliance Master Server is required to administrate KMS with devices connected to a NetBackup Appliance.
Media Server Encryption Option (MSEO)		There are no plans to support this feature.
NetBackup Access Control (NBAC)	1.1.0.1	Supported when the Appliance is configured as a Media Server only. Not supported when the Appliance is configured as a Master Server.
NDMP	1.1.0.1	

NetBackup 5200 Series and 5300 Series - Supported Functionality

Functionality	Minimum Appliance Release	Notes
NetBackup Cluster		There are no plans to support this feature.
NetBackup OpenStorage Cloud and Third-Party Plug-in Support	2.0.2	Supported plug-ins are listed in the "Support with NetBackup Appliance" tables shown in the OST Cloud and OST Storage Servers Vendor Compatibility sections.
OpsCenter	1.1.0.1	
OpsCenter Managed Server	2.0	
Optimized Duplication (Opt_Dup) over Ethernet	1.2	Supported from 5200/5300 Series to 5000 Series (MSDP to PDDO) and from 5200/5300 Series to 5200/5300 Series (MSDP to MSDP).
Optimized Duplication (Opt_Dup) over FC	2.0	Supported from 5200/5300 Series to 5000 Series (MSDP to PDDO). Requires 5020 or 5030 Appliance running version 1.3.0.1 or later.
Optimized Synthetics (Opt_Synth)	1.2	NetBackup Appliance version 2.0 or later/NetBackup 7.1 or later is recommended for Optimized Synthetics support.
Tape Drive Support	1.1.0.1	Supported tape drives are listed in the "Support with NetBackup Appliance" tables shown in the Tape Drives Vendor Compatibility section. Shared Storage Option (SSO) is supported.
Tape Library Support	1.1.0.1 (TLD) 2.5 (ACS)	Supported tape libraries are listed with the note "This library is supported with NetBackup 5200 Series and 5300 Series Appliances" in the Tape Libraries Vendor Compatibility section. Use the NetBackup Device Configuration Wizard within the NetBackup Administration Console to configure robots and tape drives on the NetBackup Appliance.
Virtual Tape Library (VTL) Support	1.1.0.1 (TLD) 2.5 (ACS)	Supported VTLs are listed in the "Support with NetBackup Appliance" tables shown in the Virtual Tape Libraries Vendor Compatibility section. Use the NetBackup Device Configuration Wizard within the NetBackup Administration Console to configure VTLs and emulated tape drives on the NetBackup Appliance.

NetBackup 5000 Series Appliances (Deduplication)

The following table lists NetBackup 5000 Series release versions, the Appliance models supported with each version, and the equivalent Deduplication Appliance software versions. The latest 5000 Series documentation can be found at <http://www.veritas.com/docs/000002833>. Late breaking news related to NetBackup Appliances can be found at <http://www.veritas.com/docs/000010279>.

NetBackup 5000 Series - Supported Versions

NetBackup 5000 Series Appliance Release	Supported NetBackup Appliance Models	NetBackup 5000 Series Appliance Software Version
1.4.5	5030, 5020, 5000	6.6.5
1.4.4	5030, 5020, 5000	6.6.5
1.4.3.1	5020, 5000	6.6.4
1.4.2	5020, 5000	6.6.3a
1.4.1.1	5020, 5000	6.6.3a
1.4.1	5020, 5000	6.6.3
1.4	5020, 5000	6.6.2
1.3.0.2	5020, 5000	6.6.1.2
1.3.0.1	5020, 5000	6.6.1.2
1.2.0	5000	6.6.0.2
6.6 (Initial Release)	5000	6.6.0.2

The following table lists NetBackup 5000 Series supported functionality and indicates the Appliance software version at which that functionality was first supported.

NetBackup 5000 Series - Supported Functionality

Functionality	Minimum Appliance Release	Notes
Accelerator (for files and folders)	6.6 (Initial Release)	NetBackup 7.5 or later is required for Accelerator support.
Auto Image Replication	1.4	NetBackup 5030 Appliance or NetBackup 5020 Appliance version 1.4 or later is required for Auto Image Replication support.
Call Home	1.3.0.1	Enhancements to Call Home, Alerting, and Registration functionality are included in Appliance version 1.4.4 and later.
Client Deduplication / Client Direct over Ethernet	1.2.0	Veritas allows NetBackup Clients (NetBackup 7.0 and later) to write data directly to NetBackup Storage Server Appliances. The client hosts the deduplication plug-in that deduplicates the backup data. The plug-in sends only unique segments to the Storage Server, reducing network traffic and distributing CPU load. For the list of supported clients, see the Deduplication Supported Operating Systems section of the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at http://www.veritas.com/docs/000040842 .
Fibre Channel support for PDDO	1.3.0.1	NetBackup 5030 Appliance or NetBackup 5020 Appliance version 1.3.0.1 or later is required for Fibre Channel support for PDDO.
Granular Recovery Technology (GRT)	6.6 (Initial Release)	NetBackup 7.1 or later is required for Granular Recovery Technology support.
Intelligent Platform Management Interface (IPMI) support	1.4.2	NetBackup 5030 Appliance or NetBackup 5020 Appliance version 1.4.2 or later is required for IPMI support.
NetBackup OST Storage Server	6.6 (Initial Release)	Supported OpenStorage functionality and Media Server platforms are listed in the OST Storage Servers section of OST Secondary Storage Solutions.
Optimized Duplication (Opt_Dup)	6.6 (Initial Release)	
Optimized Duplication (Opt_Dup) from PDDO to MSDP	1.4.5	Supported from 5000 Series to 5200/5300 Series. Requires NetBackup 7.6.1 or later and NetBackup 5200/5300 Series Appliance 2.6.1 or later.
Optimized Synthetics (Opt_Synth)	6.6 (Initial Release)	NetBackup 7.1 or later is recommended for Optimized Synthetics support.
PureDisk Remote Office Appliance	6.6 (Initial Release)	Supported clients: Apple Mac OS, Hewlett Packard Enterprise HP-UX, IBM AIX, Microsoft Windows, SuSE Linux Enterprise Server, Red Hat Enterprise Linux, Sun Solaris. Supported application agents: Microsoft Exchange, Microsoft SQL, Oracle. For specific versions see http://www.veritas.com/docs/000040140 (for 5000) and http://www.veritas.com/docs/000008731 (for 5020 and 5030).
Virtual Local Area Network (VLAN)	1.4.1.1	

OST Primary Storage Solutions - Replication Director

The NetBackup Replication Director feature offers a single NetBackup interface for end-to-end data protection for unified policy management, snapshot copy management, snapshot copy monitoring, and global search and restore.

Replication Director support information is listed below, organized by vendor. The tables provide information on the versions of software tested, supported attachment methods and functionality, and other important notes about the hardware and its compatibility.

For more information on NetBackup Replication Director, see About NetBackup Replication Director at <http://www.veritas.com/docs/000044607>. This document contains links to important information about Replication Director requirements, latest issues, best practices, product documentation, limitations, and eLearning tutorial videos.

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Replication Director - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at http://www.veritas.com/docs/000040842.</p> <p>1. Where support is shown for "Windows Server" it also means that the other editions of Windows Server and Windows Storage Server are supported, unless noted otherwise. Windows Server 2008 Core Installation is not supported as a NetBackup Media Server. Windows 2012 Core and 2012 R2 Core are supported as a NetBackup Media Server.</p> <p>2. Asianux, CentOS, Novell Open Enterprise Server (Linux), Oracle Linux, and Red Flag are not supported with Replication Director, unless noted otherwise.</p> <p>3. In the vendor compatibility tables below, the column "NetBackup Version" indicates the NetBackup version at which that vendor software was first supported.</p>
Vendor support considerations	<p>1. In the vendor compatibility tables below, the column "Vendor Software" lists the vendor-supplied software that communicates with NetBackup OpenStorage. Refer to the storage vendor's NetBackup Replication Director site for details on the components that comprise this package.</p>

Replication Director - Supported Platforms for Block-attached Storage

Replication Director is supported with block-attached storage on the NetBackup Client and Media Server platforms listed in the table below. The table indicates the NetBackup 7.0 - 7.6.x version at which that platform was first supported with block-attached storage with Replication Director. The table also lists the file systems and multipathing tools supported on each platform.

Operating System	NetBackup Client Start of Support	NetBackup Media Server Start of Support	File System/Volume Manager	Multipathing Tools
AIX 6.1 on POWER	7.6 GA	7.6 GA	JFS2/LVM	
HP-UX 11.31 on IA64	7.6 GA	7.6 GA	VxFS/LVM VxFS/none online JFS/LVM online JFS/none	VxDMP HP-UX Native Multipathing
Red Hat Enterprise Linux 5 on x86-64	7.6 GA	7.6 GA	VxFS/VxVM ext3/none	VxDMP DM-MPIO
Red Hat Enterprise Linux 6 on x86-64	7.6 GA	7.6 GA	VxFS/VxVM ext3/none	
Solaris 10 on SPARC	7.6 GA	7.6 GA	VxFS/VxVM UFS/none	VxDMP Solaris MPxIO
SuSE Linux Enterprise Server 10 on x86-64	7.6 GA	7.6 GA	VxFS/VxVM ext3/none	VxDMP DM-MPIO
SuSE Linux Enterprise Server 11 on x86-64	7.6 GA	7.6 GA	VxFS/VxVM ext3/none	
Windows Server 2003 on x64	7.6 GA	7.6 GA	NTFS/native volume manager	VxDMP Windows MPIO Data ONTAP DSM for Windows MPIO
Windows Server 2003 R2 on x64	7.6 GA	7.6 GA	NTFS/native volume manager	VxDMP Windows MPIO Data ONTAP DSM for Windows MPIO
Windows Server 2008 R2 on x64	7.6 GA	7.6 GA	NTFS/native volume manager	VxDMP Windows MPIO Data ONTAP DSM for Windows MPIO

Replication Director - Supported Platforms for NAS-attached Storage

Replication Director is supported with NAS-attached storage on the NetBackup Client and Media Server platforms listed in the table below. The table indicates the NetBackup 7.0 - 7.6.x version at which that platform was first supported with NAS-attached storage with Replication Director.

With NAS-attached storage, Replication Director supports NFS file systems on UNIX platforms and CIFS file systems on Windows platforms.

Operating System	NetBackup Client Start of Support	NetBackup Media Server Start of Support
AIX 6.1 on POWER	7.5 GA	7.5 GA [1]
AIX 7.1 on POWER	7.5 GA	7.5 GA [1]
HP-UX 11.31 on IA64	7.5 GA	7.5 GA
Red Hat Enterprise Linux 5 on x86-64	7.5 GA	7.5 GA
Red Hat Enterprise Linux 6 on x86-64	7.6.1.1	7.6.1.1
Red Hat Enterprise Linux 7 on x86-64	7.6.1.1	7.6.1.1
Solaris 10 on SPARC	7.5 GA	7.5 GA
Solaris 11 on SPARC	7.6.1.1	No
SuSE Linux Enterprise Server 10 on x86-64	7.5 GA	7.5 GA
SuSE Linux Enterprise Server 11 on x86-64	7.5 GA	7.5 GA
SuSE Linux Enterprise Server 12 on x86-64	7.6.0.3	7.6.1.2
Windows Server 2003 32-bit OS	7.5 GA	7.5 GA - Not supported as a media server with NetBackup 7.6 and later.
Windows Server 2003 on x64	7.5 GA	7.5 GA
Windows Server 2003 R2 on x64	7.5 GA	7.5 GA
Windows Server 2008 R2 on x64	7.5 GA	7.5 GA
Windows Server 2012 on x64	7.5.0.6	7.6 GA
Windows Server 2012 R2 on x64	7.6 GA	7.6.0.3

1. Media Server support with EMC Celerra, VNX Series or VNX2 Series requires NetBackup 7.6.1.2 or later.

Replication Director - Links to Vendor Sites

Vendor-specific information on NetBackup Replication Director solutions is available at the storage vendor's website. The following table also contains links to Veritas Articles with information on identifying the version of the NetBackup Replication Director plug-in.

Vendor	Vendor Replication Director Solution Information/Compatibility	Vendor Software Version Information
EMC		<http://www.veritas.com/docs/000024657>
IBM	<https://support.netapp.com/matrix/>	<http://www.veritas.com/docs/000044761>
NetApp	<https://support.netapp.com/matrix/>	<http://www.veritas.com/docs/000044761>

Replication Director - Supported Functionality

The following table lists NetBackup Replication Director functionality and indicates the NetBackup 7.0 - 7.6.x version at which that functionality was first supported. For more information on Replication Director functionality, see the Veritas NetBackup Replication Director Solutions Guide at [<http://www.veritas.com/docs/000003214.>](http://www.veritas.com/docs/000003214)

For supported versions of agents, see the Veritas NetBackup 7.0 - 7.6.x Database and Application Agent Compatibility List at [<http://www.veritas.com/docs/000006088.>](http://www.veritas.com/docs/000006088) The version information contained in that document also applies to databases and applications residing in VMware Virtual Machines.

For supported versions of VMware, see the Statement of Support for NetBackup 7.x in a Virtual Environment at [<http://www.veritas.com/docs/000006177.>](http://www.veritas.com/docs/000006177)

NetBackup-directed Operations	Abbreviation	NetBackup Version Start of Support
Array-based Restore	Array-based_Restore	7.5 GA
Snapshot Management for File System	Snapshot_Mgmt_FS	7.5 GA
Snapshot Replication for File System	Snapshot_Repl_FS	7.5 GA
Snapshot Management for Oracle on NFS Storage	Snapshot_Mgmt_Oracle	7.6 GA
Snapshot Replication for Oracle on NFS Storage	Snapshot_Repl_Oracle	7.6 GA
Snapshot Management for VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware	7.6 GA
Snapshot Replication for VMware with NFS Attached Datastores	Snapshot_Repl_VMware	7.6 GA
Snapshot Management for Microsoft Exchange on VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware_Exchange	7.6 GA
Snapshot Replication for Microsoft Exchange on VMware with NFS Attached Datastores	Snapshot_Repl_VMware_Exchange	7.6 GA
Snapshot Management for Microsoft SQL Server on VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware_SQL	7.6 GA

NetBackup-directed Operations	Abbreviation	NetBackup Version Start of Support
Snapshot Replication for Microsoft SQL Server on VMware with NFS Attached Datastores	Snapshot_Repl_VMware_SQL	7.6 GA

Replication Director - Vendor Compatibility

Contents

EMC	IBM	NetApp
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EMC

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Vendor Software Compatibility Information	NetBackup Start of Support	Supported Functionality
Celerra [1]	NAS	NetBackup 7.6.1.1 and later		7.6.1.1 [2]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL
VNX Series [1] [3]	NAS	NetBackup 7.6.1.1 and later		7.6.1.1 [2]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL
VNX2 Series [1] [4]	NAS	NetBackup 7.6.1.1 and later		7.6.1.1 [2]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL

1. AIX client support begins at NetBackup 7.6.1.1, AIX media server support requires NetBackup 7.6.1.2 or later.

2. See "Using NetBackup Replication Director to create snapshots of EMC VNX and Celerra storage systems" (<http://www.veritas.com/docs/000024657>) for more information.

3. All models in the EMC VNX Series are supported (VNX5100, VNX5300, VNX5500, VNX5700, VNX7500).

4. All models in the EMC VNX2 Series are supported (VNX5200, VNX5400, VNX5600, VNX5800, VNX7600, VNX8000).

IBM

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Vendor Software Compatibility Information	NetBackup Start of Support	Supported Functionality
System Storage N Series	NAS	NetApp Plug-in 1.0.1 for Symantec NetBackup	See Replication Director Vendor Links table for more information	7.5 GA [1]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS
System Storage N Series	Block	NetApp Plug-in 1.1 for Symantec NetBackup	See Replication Director Vendor Links table for more information	7.6 GA [1]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS
System Storage N Series	NAS	NetApp Plug-in 1.1 for Symantec NetBackup	See Replication Director Vendor Links table for more information	7.6 GA [1]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle Snapshot_Repl_Oracle Snapshot_Mgmt_VMware Snapshot_Repl_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Repl_VMware_Exchange Snapshot_Mgmt_VMware_SQL Snapshot_Repl_VMware_SQL

1. For requirements, see the NetBackup Replication Director Digest (<http://www.veritas.com/docs/000076489>).

NetApp

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Vendor Software Compatibility Information	NetBackup Start of Support	Supported Functionality
FAS Series	NAS	NetApp Plug-in 1.0.1 for Symantec NetBackup	See Replication Director Vendor Links table for more information	7.5 GA [1]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS
FAS Series	Block	NetApp Plug-in 1.1 for Symantec NetBackup	See Replication Director Vendor Links table for more information	7.6 GA [1]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS
FAS Series	NAS	NetApp Plug-in 1.1 for Symantec NetBackup	See Replication Director Vendor Links table for more information	7.6 GA [1]	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle Snapshot_Repl_Oracle Snapshot_Mgmt_VMware Snapshot_Repl_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Repl_VMware_Exchange Snapshot_Mgmt_VMware_SQL Snapshot_Repl_VMware_SQL

1. For requirements, see the NetBackup Replication Director Digest (<http://www.veritas.com/docs/000076489>).

OST Secondary Storage Solutions

The Veritas OpenStorage (OST) Technology API allows intelligent storage devices and intelligent cloud storage solutions to interface to NetBackup Media Servers. The storage vendor or Veritas provides a software plug-in, which is installed on each NetBackup Media Server that is connected to the storage device / cloud provider. OST functionality is available on all supported NetBackup Media Server platforms. If you do not see OST support for your desired Storage Server appliance / Cloud Storage Provider / Media Server OS platform, please contact that storage vendor to request OST support for that platform. Please see the Veritas NetBackup Administrator's Guide for more information on how to use OST.

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<u>OpenStorage - Considerations</u>	<u>OpenStorage - Supported Functionality</u>	<u>Cloud - Supported Technology Methods</u>
<u>OST Cloud</u>	<u>OST Storage Servers</u>	

OpenStorage - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842.></p> <ol style="list-style-type: none"> 1. Where support is shown for NetBackup 5200 Series or 5300 Series Appliances it means that the OST solution is supported on appliances running versions 2.5.x.x or 2.6.x.x, unless noted otherwise. 2. Where support is shown for "Windows Server 2003 Enterprise Edition" it also means that the other editions of Windows Server 2003, Windows Server 2003 R2, and Windows Storage Server 2003 are supported. 3. Where support is shown for "Windows Server 2008 Enterprise Edition" it also means that the other editions of Windows Server 2008 and Windows Server 2008 R2 are supported. Only the x64 (64-bit) editions of the OS are supported as a NetBackup Media Server. Server Core Installation Option is not supported as a NetBackup Media Server. 4. Where support is shown for "Windows Server 2012 Datacenter" it also means that the other editions of Windows Server 2012, Windows Storage Server 2012, Windows Server 2012 R2, and Windows Storage Server 2012 R2 are supported. 5. Asianux, CentOS, Novell Open Enterprise Server (Linux), Oracle Linux, and Red Flag are not supported with OpenStorage, unless noted otherwise.
Configuration considerations	<ol style="list-style-type: none"> 1. The Veritas NetBackup OpenStorage Optimized Duplication feature takes advantage of the replication capabilities built into many storage servers and cloud solutions by allowing images replicated by the storage servers or cloud solutions to be registered as duplicated copies in the NetBackup catalog. This feature requires at least one NetBackup Media Server with connectivity to both the source storage server or cloud solution and the destination storage server or cloud solution. Optimized Duplication cannot be performed across NetBackup domains.
Operating system support added	<ol style="list-style-type: none"> 1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.

Subject	Notes
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

OpenStorage - Supported Functionality

The following table lists NetBackup OpenStorage functionality and indicates the NetBackup 7.0 - 7.6.x version at which that functionality was first supported. For detailed descriptions of OpenStorage functionality, see the Veritas NetBackup OpenStorage Solutions Guide for Disk (NetBackup 7.5 and 7.6) or Veritas NetBackup Shared Storage Guide (NetBackup 7.0 and 7.1) at <http://www.veritas.com/docs/000003214>.

To see which OST functionality is supported with your OpenStorage solution, refer to the "Supported OpenStorage Functionality" column in the Vendor Compatibility tables below.

OpenStorage Functionality	Abbreviation	Start of Support	Notes
Accelerator (for files and folders)	Accelerator	7.5 GA	<p>If your storage server shows support for Accelerator in the tables below, Veritas recommends updating your device mappings file to the current version to ensure this functionality is enabled.</p> <p>If you are running Accelerator-enabled backups of Windows clients whose file systems contain hard linked files, running NetBackup 7.5.0.7 or later on the client is strongly recommended. For more information, see http://www.veritas.com/docs/000025532</p>
Accelerator with VMware-type policies	Accel_VMware	7.6 GA	If your storage server shows support for Accelerator with VMware in the tables below, Veritas recommends updating your device mappings file to the current version to ensure this functionality is enabled.
Auto Image Replication	A.I.R.	7.1 GA	<p>For more information on configuring Auto Image Replication, see the Best Practices for Storage Lifecycle Policies and Auto Image Replication:</p> <p>NetBackup 7.6 - http://www.veritas.com/docs/000018455</p> <p>NetBackup 7.5 - http://www.veritas.com/docs/000068194</p> <p>NetBackup 7.1 - http://www.veritas.com/docs/000011873</p> <p>Using Auto Image Replication with Optimized Synthetic backups is supported with NetBackup 7.6 or later.</p>
Targeted Auto Image Replication	Targeted_A.I.R.	7.6 GA	If your storage server shows support for Targeted A.I.R. in the tables below, Veritas recommends updating your device mappings file to the current version to ensure this functionality is enabled.
Direct Copy to dedicated tape drives	Direct_Copy	7.0 GA	
Direct Copy to shared tape drives	Direct_Copy_Shared	7.0 GA	

OpenStorage Functionality	Abbreviation	Start of Support	Notes
Granular Recovery Technology	Granular_Recovery	7.1 GA	Support for the Veritas NetBackup OpenStorage Granular Recovery Technology feature is described in the following Articles: <http://www.veritas.com/docs/000009237> and <http://www.veritas.com/docs/000085639.>
Granular Recovery Technology with VMware-type policies	GRT_VMware	7.6 GA	Support for VMware-type backup policies with Application Protection options enabled for Exchange or SharePoint. Support for the Veritas NetBackup OpenStorage Granular Recovery Technology feature is described in the following Articles: <http://www.veritas.com/docs/000009237> and <http://www.veritas.com/docs/000085639.>
Instant Recovery for VMware	IR_VMware	7.6 GA	Support for restoring virtual machines with Instant Recovery is described in the NetBackup for VMware Administrator's Guide at <http://www.veritas.com/docs/000003214> and in Article <http://www.veritas.com/docs/000074081.> For details on platforms that are supported as instant recovery restore hosts, see Article <http://www.veritas.com/docs/000006177.>
NetBackup Encryption Key Management Service	KMS	7.0 GA	In the OST Cloud vendor tables, KMS indicates that the cloud provider supports using NetBackup KMS to encrypt backups to cloud targets. In the OST Storage Servers vendor tables, KMS indicates that the plug-in supports NetBackup KMS with Direct Copy to Tape functionality.
Optimized Duplication	Opt_Dup	7.0 GA	
Optimized Synthetics	Opt_Synth	7.0 GA	Newer versions of NetBackup are recommended or required for Optimized Synthetics. Each device that supports Optimized Synthetics has a footnote with details on recommended or required versions. Using Auto Image Replication with Optimized Synthetic backups is supported with NetBackup 7.6 or later. Storage Lifecycle Policies are not supported in policies that use the multiple copy synthetic backups method. For details, see Article <http://www.veritas.com/docs/000022616.>

Cloud - Supported Technology Methods

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

1. S3 Storage - This method uses the NetBackup S3 Cloud Connector, a plug-in included with NetBackup.
2. OST - This method uses a third-party OpenStorage Technology plug-in.
3. AdvancedDisk Targets - This method uses third-party hardware or software to make the cloud appear as an [AdvancedDisk storage unit](#) to NetBackup.
4. VTL - This method uses third-party software to present the Cloud as if it were a VTL (Virtual Tape Library) to NetBackup.

Cloud Providers and Technology Methods

Cloud Provider	Technology method
Amazon Simple Storage Service (S3) Standard	NetBackup S3 Cloud connector
Amazon AWS Storage Gateway	Amazon AWS VTL
AT&T Synaptic Storage as a Service	NetBackup-provided plug-in
Datish Systems OpenDedup	Datish Systems-provided OST plug-in
NetApp AltaVault	NetApp-provided OST plug-in
Quantum Q-Cloud Protect	Quantum-provided OST plug-in
Quantum Q-Cloud Protect for AWS	Quantum-provided OST plug-in
Rackspace Cloud Files	NetBackup-provided plug-in

OST Cloud

OST Cloud Storage plug-ins enable Veritas NetBackup to access Cloud Storage Solutions. Either the storage vendor or Veritas provides a software plug-in, which is installed on each NetBackup Media Server that is connected to the cloud solution.

OST Cloud support information is listed below, organized by vendor. Under each vendor there are separate tables showing compatibility with NetBackup Appliances, with Linux/Windows operating systems, and with UNIX operating systems. The tables provide information on supported versions of plug-ins and functionality, and other important notes about the hardware and its compatibility. If you do not see OST Cloud support for your desired Cloud Storage Solution provider / Media Server OS platform, please contact that Cloud Storage vendor to request OST Cloud support for that platform. Please see the Veritas NetBackup Administrator's Guide for more information on how to use OST.

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<u>OST Cloud - Considerations</u>	<u>OST Cloud - Links to Vendor Sites</u>	<u>OST Cloud - Vendor Compatibility</u>
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OST Cloud - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842.></p> <p>1. In the vendor compatibility tables below, the column "NetBackup Version Containing Plug-in" indicates the NetBackup version at which that cloud storage solution was first supported.</p> <p>2. Cloud support on Windows platforms requires Windows 2008 R2 or later.</p>
Operating system support dropped	<p>1. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later.</p>

OST Cloud - Links to Vendor Sites

More information on NetBackup OpenStorage solutions is available at the following OST Cloud vendors' websites.

Vendor	URL
Amazon	<http://aws.amazon.com/s3>
AT&T	<https://www.synaptic.att.com>
Datish Systems (OpenDedup)	<http://www.opendedup.org>
NetApp	"><http://www.netapp.com/us/products/protection-software/altavault/>
Quantum	<http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/OSTClientPlugIn/Index.aspx>
Rackspace	<http://www.rackspace.com>

OST Cloud - Vendor Compatibility

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<u>Amazon</u>	<u>AT&T</u>	<u>Datish Systems (OpenDedup)</u>
<u>NetApp</u>	<u>Quantum</u>	<u>Rackspace</u>

Amazon

Amazon - Support with NetBackup Appliance

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	5200 Series	5300 Series
Simple Storage Service (S3) Standard	NetBackup Appliance 2.5 and later	Accelerator, KMS, Opt_Synth	Yes	No
Simple Storage Service (S3) Standard	NetBackup Appliance 2.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Yes	No
Simple Storage Service (S3) Standard	NetBackup Appliance 2.6.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Yes	Yes

Amazon - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Simple Storage Service (S3) Standard	NetBackup 7.5 and later	Accelerator, KMS, Opt_Synth	Enterprise Edition	No	5, 6	10
Simple Storage Service (S3) Standard	NetBackup 7.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	No	5, 6	10, 11
Simple Storage Service (S3) Standard	NetBackup 7.6.0.3 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
Simple Storage Service (S3) Standard	NetBackup 7.6.1.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	10, 11
Simple Storage Service (S3) Standard	NetBackup 7.6.1.2 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

Amazon - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Simple Storage Service (S3) Standard	NetBackup 7.5 and later	Accelerator, KMS, Opt_Synth	6.1, 7.1	11.31	10
Simple Storage Service (S3) Standard	NetBackup 7.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Simple Storage Service (S3) Standard	NetBackup 7.6.0.3 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Simple Storage Service (S3) Standard	NetBackup 7.6.1.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Simple Storage Service (S3) Standard	NetBackup 7.6.1.2 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11

AT&T

AT&T - Support with NetBackup Appliance

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	5200 Series	5300 Series
Synaptic Storage as a Service	NetBackup Appliance 2.5 and later	Accelerator, KMS, Opt_Synth	Yes	No
Synaptic Storage as a Service	NetBackup Appliance 2.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Yes	No
Synaptic Storage as a Service	NetBackup Appliance 2.6.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Yes	Yes

AT&T - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Synaptic Storage as a Service	NetBackup 7.5 and later	Accelerator, KMS, Opt_Synth	Enterprise Edition	No	5, 6	10
Synaptic Storage as a Service	NetBackup 7.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	No	5, 6	10, 11
Synaptic Storage as a Service	NetBackup 7.6.0.3 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
Synaptic Storage as a Service	NetBackup 7.6.1.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	10, 11
Synaptic Storage as a Service	NetBackup 7.6.1.2 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

AT&T - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Synaptic Storage as a Service	NetBackup 7.5 and later	Accelerator, KMS, Opt_Synth	5.3, 6.1, 7.1	11.31	10
Synaptic Storage as a Service	NetBackup 7.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Synaptic Storage as a Service	NetBackup 7.6.0.3 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Synaptic Storage as a Service	NetBackup 7.6.1.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Synaptic Storage as a Service	NetBackup 7.6.1.2 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11

Datish Systems (OpenDedup)

Datish Systems (OpenDedup) - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Red Hat Enterprise Linux on x86-64
OpenDedup [1] [2]	1.0	Accelerator, Accel_VMware	6, 7 [3] [4] [5]

1. Requires NetBackup 7.6.1 or later.
2. Supported with Amazon AWS S3 and Microsoft Azure.
3. Requires Red Hat Enterprise Linux 6 Update 7 or later.
4. The Red Hat plug-in is also supported with CentOS 6.7 or later.
5. The Red Hat plug-in is also supported with CentOS 7.

NetApp

NetApp - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
AltaVault [1] [2]	NetApp 1.0 Plug-in	Opt_Dup	Enterprise Edition	Datacenter	6, 7

1. For AltaVault with Amazon Glacier, the AWS S3 lifecycle policy is utilized to move backup images to Glacier. Use the AltaVault Prepopulation process to retrieve images prior to starting NetBackup restore.
2. NetBackup supports AltaVault sending backup images to any public or private cloud provider supported by AltaVault. See NetApp's list of cloud providers supported with AltaVault. Only one cloud provider can be configured per AltaVault physical appliance or virtual instance.

Quantum

Quantum - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Q-Cloud Protect [1] [2]	Quantum 2.9 Plug-in	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6	No
Q-Cloud Protect [1] [2]	Quantum 3.0 Plug-in	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	No
Q-Cloud Protect [1] [2]	Quantum 3.1 Plug-in	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
Q-Cloud Protect for AWS [3]	Quantum 3.1 Plug-in	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12

1. Data-at-Rest encryption is supported with the DXi6802 and DXi8500 (3TB) models.

2. For information on how to setup Q-Cloud Protect with NetBackup, go to <http://www.quantum.com/serviceandsupport/softwareanddocumentationdownloads/index.aspx>, select the appropriate DXi product, select the "Documentation" tab, and in the Best Practices section select "DXi-Series and Best Practices Guide for NetBackup from Symantec". Enter the device's serial number, and when the document opens, search for Appendix A.

3. For information on how to setup Q-Cloud Protect for AWS with NetBackup, go to <http://www.quantum.com/q-cloudprotectdocs>.

Rackspace

Rackspace - Support with NetBackup Appliance

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	5200 Series	5300 Series
Cloud Files	NetBackup Appliance 2.5 and later	Accelerator, KMS, Opt_Synth	Yes	No
Cloud Files	NetBackup Appliance 2.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Yes	No
Cloud Files	NetBackup Appliance 2.6.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Yes	Yes

Rackspace - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Cloud Files [1]	NetBackup 7.5 and later	Accelerator, KMS, Opt_Synth	Enterprise Edition	No	5, 6	10
Cloud Files	NetBackup 7.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	No	5, 6	10, 11
Cloud Files	NetBackup 7.6.0.3 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
Cloud Files	NetBackup 7.6.1.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	10, 11
Cloud Files	NetBackup 7.6.1.2 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

1. Requires NetBackup 7.5.0.3 or later.

Rackspace - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Cloud Files [1]	NetBackup 7.5 and later	Accelerator, KMS, Opt_Synth	5.3, 6.1, 7.1	11.31	10
Cloud Files	NetBackup 7.6 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Cloud Files	NetBackup 7.6.0.3 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Cloud Files	NetBackup 7.6.1.1 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11
Cloud Files	NetBackup 7.6.1.2 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	6.1, 7.1	11.31	10, 11

1. Requires NetBackup 7.5.0.3 or later.

OST Storage Servers

OpenStorage Servers are intelligent storage devices that interface to NetBackup Media Servers via the Veritas OpenStorage (OST) API. The vendor supplying the Storage Server appliance provides a software plug-in, which is installed on each NetBackup Media Server that is attached to the OpenStorage Server.

OST Storage Servers support information is listed below, organized by vendor. Under each vendor there are separate tables showing compatibility with NetBackup Appliances, with Linux/Windows operating systems, and with UNIX operating systems. The tables provide information on supported versions of plug-ins and functionality, and other important notes about the hardware and its compatibility. OST functionality is available on all supported NetBackup Media Server platforms. If you do not see OST support for your desired Storage Server appliance / Media Server OS platform, please contact that Storage Server appliance vendor to request OST support for that platform. Please see the Veritas NetBackup Administrator's Guide for more information on how to use OST.

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OST Storage Servers - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842.></p> <p>1. All OpenStorage Servers are compatible with the NetBackup 7.0 through 7.6.x Enterprise Disk Foundation features (Storage Lifecycle Policies, Intelligent Disk Capacity Management and Media Server Load Balancing) and the SAN Client (currently supported only with Solaris SPARC and Linux x64 media servers).</p>
Vendor support considerations	<p>1. Veritas and OpenStorage server vendors have mutually agreed to support NetBackup customers with OST solutions. Veritas and most OST server vendors are members of TSANet.</p> <p>2. Veritas qualifies OpenStorage plug-ins for use with NetBackup. The qualified plug-ins are maintained by the party that writes and distributes the plug-ins. Features Veritas Partners implement behind the OST API, that operate independently and are transparent to NetBackup and the OpenStorage API (for example, replication between storage servers, deduplication on the storage server, deduplication-aware plug-ins, data transport mechanisms between the media server and the storage server), are not specifically qualified by Veritas. Partner-specific features designed to interoperate in the NetBackup environment as part of the total solution are the maintenance responsibility of the partner. Check the partner's compatibility list to ensure support of the feature with NetBackup and to ensure that your infrastructure (that is, hardware and network) meets the partner's recommended sizing considerations for the feature.</p> <p>3. Check the device manufacturer's compatibility list to verify the minimum version of Storage Server software required for your Storage Server family member, that the Storage Server software version you are running is compatible with the plug-in version, and that the storage server software version supports the OpenStorage functionality you are running.</p> <p>4. Minor versions of the plug-ins listed in the tables below are also supported. (Example: Version "2.0" means versions 2.0.1, 2.0.2, etc. are also supported. Version "3" means versions 3.1, 3.2, etc. are also supported.)</p>
Configuration considerations	<p>1. The Data Interface column in the tables below describes the supported data path between the media server running the vendor's OST plug-in and the OST storage server.</p>

Subject	Notes
Operational considerations	1. Storage Servers that do not automatically increase the size of Logical Storage Units (LSU) may take advantage of the LSU spanning feature. For information about spanning volumes on OpenStorage disk pools, see the Veritas NetBackup OpenStorage Solutions Guide for Disk (NetBackup 7.5 and 7.6) or Veritas NetBackup Shared Storage Guide (NetBackup 7.0 and 7.1).
Operating system support added	1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.
Operating system support dropped	1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

OST Storage Servers - Links to Vendor Sites

More information on NetBackup OpenStorage solutions is available at the following OST Storage Server vendors' websites.

Vendor	URL
Cleversafe	http://www.cleversafe.com/
Data Domain	http://www.datadomain.com/products/
Dell	http://www.dell.com/
EMC	http://www.emc.com/
ExaGrid	http://www.exagrid.com/exagrid-products/supported-data-backup-applications/symantec-netbackup/
FalconStor	http://www.falconstor.com/en/pages/?pn=VTL
Fujitsu	http://www.fujitsu.com/global/
GreenBytes	http://www.getgreenbytes.com/
Hitachi	http://www.hds.com/
Hewlett Packard Enterprise	https://www.hpe.com/us/en/storage/storeonce.html
Huawei	http://www.huawei.com/
IBM	http://www.ibm.com/

Vendor	URL
NEC	< http://www.necam.com/HYDRAstor/ >
NetApp	< http://www.netapp.com/us/products/protection-software/altavault/ >
Nexenta	< http://www.nexenta.com/ >
Oracle	< http://www.oracle.com/technetwork/server-storage/sun-unified-storage/downloads/zfssa-plugins-1489830.html >
Quantum	< http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/OSTClientPlugIn/Index.aspx >
Sepaton	< http://www.sepaton.com/ >
Veritas	< https://www.veritas.com/product/backup-and-recovery/netbackup-appliances/ >

OST Storage Servers - Vendor Compatibility

Contents

Cleversafe

EMC

Fujitsu

Hitachi

NEC

Oracle

Veritas

Data Domain

ExaGrid

GreenBytes

Huawei

NetApp

Quantum

Dell

FalconStor

Hewlett Packard Enterprise

IBM

Nexenta

SEPATON

Cleversafe

Cleversafe - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
dsNet series	V1.0	Ethernet		Datacenter	6

Cleversafe - Family Membership

Storage Server Family	Members
dsNet series	Accesser 2100, Accesser 3100

Data Domain

Data Domain - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
Appliance series	2.3	Ethernet	Opt_Dup	Yes	No
Appliance series	2.4	Ethernet	Opt_Dup	Yes	No
Appliance series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	Yes	No
Appliance series [1] [2] [3] [4] [5]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [1] [2] [3] [4] [5]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [1] [2] [3]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [1] [2] [3]	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [1] [2] [3]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [3] [6]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [3] [6]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series	2.3	Ethernet	Opt_Dup	Yes	No
DDX Array series	2.4	Ethernet	Opt_Dup	Yes	No
DDX Array series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	Yes	No
DDX Array series [1] [2] [3] [4] [5]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Yes	Yes

Data Domain - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
DDX Array series [1] [2] [3] [4] [5]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [1] [2] [3]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [1] [2] [3]	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [1] [2] [3]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [3] [6]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [3] [6]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series	2.3	Ethernet	Opt_Dup	Yes	No
Gateway series	2.4	Ethernet	Opt_Dup	Yes	No
Gateway series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	Yes	No
Gateway series [1] [2] [3] [4] [5]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [1] [2] [3] [4] [5]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [1] [2] [3]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [1] [2] [3]	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [1] [2] [3]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes

Data Domain - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
Gateway series [3] [6]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [3] [6]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Global Deduplication Array series	2.3	Ethernet	Opt_Dup	Yes	No
Global Deduplication Array series	2.4	Ethernet	Opt_Dup	Yes	No
Global Deduplication Array series	2.5	Ethernet	Opt_Dup	Yes	No
Global Deduplication Array series	2.6	Ethernet	Opt_Dup	Yes	Yes
Global Deduplication Array series	2.6	Fibre Channel	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.0	Ethernet	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.0	Fibre Channel	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.1	Ethernet	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.1	Fibre Channel	Opt_Dup	Yes	Yes
Global Deduplication Array series [6]	3.2	Ethernet	Opt_Dup	Yes	Yes
Global Deduplication Array series [6]	3.2	Fibre Channel	Opt_Dup	Yes	Yes
Virtual Edition	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. NetBackup 7.6 or later is required for Auto Image Replication support.
4. Plug-in version 2.6.2.4 or later is required for support of Accelerator with VMware-type policies.
5. Plug-in version 2.6.2.4 or later is required for support of Granular Recovery Technology with VMware-type policies.
6. Requires NetBackup 7.5 or later.

Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Appliance series	2.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
Appliance series	2.3	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
Appliance series	2.4	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5	10, 11
Appliance series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Appliance series [1] [2] [5] [6] [7]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Appliance series [1] [2] [5] [6] [7]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11
Appliance series [1] [2] [5]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Appliance series [1] [2] [5]	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Appliance series [1] [2] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6, 7 [3] [4]	11, 12
Appliance series [1] [2] [5]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Appliance series [5] [8]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12

Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Appliance series [5] [8]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
DDX Array series	2.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
DDX Array series	2.3	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
DDX Array series	2.4	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5	10, 11
DDX Array series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6 [3] [4]	10, 11
DDX Array series [1] [2] [5] [6] [7]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6 [3] [4]	10, 11
DDX Array series [1] [2] [5] [6] [7]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11
DDX Array series [1] [2] [5]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
DDX Array series [1] [2] [5]	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
DDX Array series [1] [2] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6, 7 [3] [4]	11, 12
DDX Array series [1] [2] [5]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12

Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DDX Array series [5] [8]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
DDX Array series [5] [8]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Gateway series	2.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
Gateway series	2.3	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
Gateway series	2.4	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5	10, 11
Gateway series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Gateway series [1] [2] [5] [6] [7]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Gateway series [1] [2] [5] [6] [7]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11
Gateway series [1] [2] [5]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Gateway series [1] [2] [5]	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Gateway series [1] [2] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6, 7 [3] [4]	11, 12

Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Gateway series [1] [2] [5]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Gateway series [5] [8]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Gateway series [5] [8]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Global Deduplication Array series	2.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
Global Deduplication Array series	2.3	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
Global Deduplication Array series	2.4	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5	10, 11
Global Deduplication Array series	2.5	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Global Deduplication Array series	2.6	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Global Deduplication Array series	2.6	Fibre Channel	Opt_Dup	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11
Global Deduplication Array series	3.0	Ethernet	Opt_Dup	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Global Deduplication Array series	3.0	Fibre Channel	Opt_Dup	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Global Deduplication Array series	3.1	Ethernet	Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6, 7 [3] [4]	11, 12
Global Deduplication Array series	3.1	Fibre Channel	Opt_Dup	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12

Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Global Deduplication Array series [8]	3.2	Ethernet	Opt_Dup	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Global Deduplication Array series [8]	3.2	Fibre Channel	Opt_Dup	No	No	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Virtual Edition	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6, 7	11, 12

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. The Red Hat plug-in is also supported with Oracle Linux 5.
4. The Red Hat plug-in is also supported with Oracle Linux 6.
5. NetBackup 7.6 or later is required for Auto Image Replication support.
6. Plug-in version 2.6.2.4 or later is required for support of Accelerator with VMware-type policies.
7. Plug-in version 2.6.2.4 or later is required for support of Granular Recovery Technology with VMware-type policies.
8. Requires NetBackup 7.5 or later.

Data Domain - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Appliance series	2.2	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	No
Appliance series	2.3	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	No
Appliance series	2.4	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	10
Appliance series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	5.3, 6.1	11.23, 11.31	11.31	10	10

Data Domain - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Appliance series [1] [2] [3] [4] [5]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Appliance series [1] [2] [3]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Appliance series [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
Appliance series [1] [2] [3]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	No	No	No
Appliance series [3] [6]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
Appliance series [3] [6]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
DDX Array series	2.2	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	No
DDX Array series	2.3	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	No
DDX Array series	2.4	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	10
DDX Array series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	5.3, 6.1	11.23, 11.31	11.31	10	10
DDX Array series [1] [2] [3] [4] [5]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
DDX Array series [1] [2] [3]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
DDX Array series [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
DDX Array series [1] [2] [3]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	No	No	No
DDX Array series [3] [6]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
DDX Array series [3] [6]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
Gateway series	2.2	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	No

Data Domain - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Gateway series	2.3	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	No
Gateway series	2.4	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	10
Gateway series [1] [2]	2.5	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	5.3, 6.1	11.23, 11.31	11.31	10	10
Gateway series [1] [2] [3] [4] [5]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Gateway series [1] [2] [3]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Gateway series [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
Gateway series [1] [2] [3]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	No	No	No
Gateway series [3] [6]	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
Gateway series [3] [6]	3.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11
Global Deduplication Array series	2.2	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	No
Global Deduplication Array series	2.3	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	No
Global Deduplication Array series	2.4	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	10
Global Deduplication Array series	2.5	Ethernet	Opt_Dup	5.3, 6.1	11.23, 11.31	11.31	10	10
Global Deduplication Array series	2.6	Ethernet	Opt_Dup	6.1, 7.1	11.31	11.31	11	10, 11
Global Deduplication Array series	3.0	Ethernet	Opt_Dup	6.1, 7.1	No	11.31	10, 11	10, 11
Global Deduplication Array series	3.1	Ethernet	Opt_Dup	6.1, 7.1	No	11.31	10, 11	10, 11

Data Domain - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Global Deduplication Array series	3.1	Fibre Channel	Opt_Dup	6.1, 7.1	No	No	No	No
Global Deduplication Array series [6]	3.2	Ethernet	Opt_Dup	6.1, 7.1	No	11.31	10, 11	10, 11
Global Deduplication Array series [6]	3.2	Fibre Channel	Opt_Dup	6.1, 7.1	No	11.31	10, 11	10, 11
Virtual Edition	3.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	11.31	10, 11	10, 11

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. NetBackup 7.6 or later is required for Auto Image Replication support.
4. Plug-in version 2.6.2.4 or later is required for support of Accelerator with VMware-type policies.
5. Plug-in version 2.6.2.4 or later is required for support of Granular Recovery Technology with VMware-type policies.
6. Requires NetBackup 7.5 or later.

Data Domain - Family Membership

Storage Server Family	Members
Appliance series	DD120, DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD4200, DD4500, DD7200, DD9500
DDX Array series	DDX
Gateway series	DD560g, DD580g, DD690g, DD880g
Global Deduplication Array series	GDA

Dell

Dell - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DR2000v [1] [2] [3]	3.1	Ethernet	Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6	10, 11
DR2000v [1] [2] [3]	3.2	Ethernet	Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6	10, 11
DR Series	1.1	Ethernet	Opt_Dup	No	No	Enterprise Edition	No	5, 6	10, 11
DR Series [2]	2.0	Ethernet	Granular_Recovery, Opt_Dup	Enterprise Edition	No	Enterprise Edition	No	5, 6	10, 11
DR Series [1] [2]	3.0	Ethernet	Accelerator, Accel_VMware, Granular_Recovery, Opt_Dup, Opt_Synth	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
DR Series [1] [2]	3.1	Ethernet	Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6	10, 11
DR Series [1] [2]	3.2	Ethernet	Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	6	10, 11

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. This device is a virtual appliance. For compatible versions of VMware, see Dell's and VMware's compatibility lists.

Dell - Family Membership

Storage Server Family	Members
DR Series	DR4000, DR4100, DR6000

EMC

EMC - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64
DL3D series [1]	1.1.3	Ethernet	Direct_Copy, Opt_Dup	Enterprise Edition	Enterprise Edition
DL3D series [1]	1.2	Ethernet	Direct_Copy_Shared, Opt_Dup	Enterprise Edition	Enterprise Edition

1. Logical Storage Unit (LSU) size is limited to 8 Terabytes on this device.

EMC - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Solaris on x86-64
DL3D series [1]	1.1.3	Ethernet	Direct_Copy, Opt_Dup	10
DL3D series [1]	1.2	Ethernet	Direct_Copy_Shared, Opt_Dup	10

1. Logical Storage Unit (LSU) size is limited to 8 Terabytes on this device.

EMC - Family Membership

Storage Server Family	Members
DL3D series	DL1500, DL3000

ExaGrid

ExaGrid - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
EX series	V10.1.0	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5
EX series	V10.2.0	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6
EX series [1] [2]	V10.3.0	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6
EX series [1] [2] [3]	V11.4.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. NetBackup 7.6 or later is required for Auto Image Replication support.

ExaGrid - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Solaris on SPARC
EX series	V10.1.0	Ethernet	Opt_Dup	10
EX series	V10.2.0	Ethernet	Opt_Dup	10
EX series [1] [2]	V10.3.0	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	10
EX series [1] [2] [3]	V11.4.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	10, 11

1. NetBackup 7.1 or later is required for Optimized Synthetics support.

2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. NetBackup 7.6 or later is required for Auto Image Replication support.

ExaGrid - Family Membership

Storage Server Family	Members
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

FalconStor

FalconStor - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
Virtual Tape Library (VTL) series [1] [2]	8	Fibre Channel	A.I.R., Direct_Copy_Shared, Granular_Recovery, Opt_Dup	Yes	Yes

1. NetBackup 7.5 or later is required for Granular Recovery Technology support.
2. NetBackup 7.6 or later is required for Auto Image Replication support.

FalconStor - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
FDS series	2.1	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	No	No
FDS series	2.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	No	No
FDS series [1]	8	Ethernet	Granular_Recovery, Opt_Dup	No	No	Enterprise Edition	Datacenter	No	No
Virtual Tape Library (VTL) series	1.2	Fibre Channel	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	No	No
Virtual Tape Library (VTL) series	2.1	Fibre Channel	Direct_Copy_Shared, Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5	No
Virtual Tape Library (VTL) series	2.2	Fibre Channel	Direct_Copy_Shared, Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6	No

FalconStor - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Virtual Tape Library (VTL) series [1] [2]	8	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup	No	No	Enterprise Edition	No	6, 7	11
Virtual Tape Library (VTL) series [1] [2]	8	Fibre Channel	A.I.R., Direct_Copy_Shared, Granular_Recovery, Opt_Dup	No	Enterprise Edition	No	No	5, 6	11

1. NetBackup 7.5 or later is required for Granular Recovery Technology support.
2. NetBackup 7.6 or later is required for Auto Image Replication support.

FalconStor - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC	Solaris on x86-64
Virtual Tape Library (VTL) series	2.1	Fibre Channel	Direct_Copy_Shared, Opt_Dup	5.3, 6.1	10	10
Virtual Tape Library (VTL) series	2.2	Fibre Channel	Direct_Copy_Shared, Opt_Dup	5.3, 6.1	10	10
Virtual Tape Library (VTL) series [1] [2]	8	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup	6.1, 7.1	10, 11	10, 11
Virtual Tape Library (VTL) series [1] [2]	8	Fibre Channel	A.I.R., Direct_Copy_Shared, Granular_Recovery, Opt_Dup	6.1, 7.1	10, 11	10, 11

1. NetBackup 7.5 or later is required for Granular Recovery Technology support.
2. NetBackup 7.6 or later is required for Auto Image Replication support.

FalconStor - Family Membership

Storage Server Family	Members
FDS series	FDS 100, FDS 300, FDS 600
Virtual Tape Library (VTL) series	VTL-G, VTL-S, VTL-V

Fujitsu

Fujitsu - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS800 S3 [1] [2]	2.9.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
ETERNUS CS800 S3 [2] [3]	3.1.0	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	No	No	No	6, 7	11, 12
ETERNUS CS800 S3 [2] [3]	3.1.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
ETERNUS CS800 S4 [1] [2]	2.9.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
ETERNUS CS800 S4 [2] [3]	3.1.0	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	No	No	No	6, 7	11, 12
ETERNUS CS800 S4 [2] [3]	3.1.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
ETERNUS CS800 S5 [1] [2]	2.9.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
ETERNUS CS800 S5 [2] [3]	3.1.0	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	No	No	No	6, 7	11, 12
ETERNUS CS800 S5 [2] [3]	3.1.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
ETERNUS CS800 S6 [2] [3]	3.1.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	No	No	6, 7	11, 12
ETERNUS CS800 S6 [2] [3]	3.1.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12

Fujitsu - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS8000 series [3]	1.0	Ethernet	Opt_Dup	No	No	No	6, 7	11, 12
ETERNUS CS8000 series [3]	1.1	Ethernet	Opt_Dup	No	Enterprise Edition	Datacenter	6, 7	11, 12

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.6 or later is required for Auto Image Replication support.
3. Requires NetBackup 7.5 or later.

Fujitsu - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
ETERNUS CS800 S3 [1] [2]	2.9.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
ETERNUS CS800 S4 [1] [2]	2.9.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
ETERNUS CS800 S5 [1] [2]	2.9.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
ETERNUS CS800 S6 [2] [3]	2.9.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.6 or later is required for Auto Image Replication support.
3. Requires NetBackup 7.5 or later.

Fujitsu - Family Membership

Storage Server Family	Members
ETERNUS CS8000 series	ETERNUS CS8200, ETERNUS CS8400, ETERNUS CS8800

GreenBytes

GreenBytes - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64
GB-X series [1]	1.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition

1. Not supported with NetBackup 7.5 and later.

GreenBytes - Family Membership

Storage Server Family	Members
GB-X series	GB-1000, GB-2000, GB-4000

Hewlett Packard Enterprise

Hewlett Packard Enterprise - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
StoreOnce 2000 [1] [2]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, Opt_Dup	Yes	Yes
StoreOnce 2000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 3000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 3500 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 3500 [1] [2] [3] [4]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 4000 [1] [2]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, Opt_Dup	Yes	Yes
StoreOnce 4000 [1] [2]	3.0	Fibre Channel	A.I.R., Granular_Recovery, GRT_VMware	Yes	Yes
StoreOnce 4000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 4000 [1] [2] [3] [4]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 5000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 5000 [1] [2] [3] [4]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 6000 [1] [2]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, Opt_Dup	Yes	Yes
StoreOnce 6000 [1] [2]	3.0	Fibre Channel	A.I.R., Granular_Recovery, GRT_VMware	Yes	Yes
StoreOnce 6000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 6000 [1] [2] [3] [4]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes

Hewlett Packard Enterprise - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
StoreOnce VSA [1] [2] [5]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, Opt_Dup	Yes	Yes
StoreOnce VSA [1] [2] [3] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes

1. NetBackup 7.5 or later is required for Granular Recovery Technology support.
2. NetBackup 7.6 or later is required for Auto Image Replication support.
3. StoreOnce software version 3.12 or later is required for Accelerator support.
4. Targeted A.I.R. support over Fibre Channel requires plug-in version 3.1.2 or later.
5. This device is a virtual appliance. For compatible versions of VMware, see Hewlett Packard Enterprise's and VMware's compatibility lists.

Hewlett Packard Enterprise - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
D2D2500 G2 Backup System	1.1	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	No	No
D2D2500 G2 Backup System	1.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6	10, 11
D2D4100 G2 Backup System	1.1	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	No	No
D2D4100 G2 Backup System	1.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6	10, 11
D2D4300 G2 Backup System	1.1	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	No	No
D2D4300 G2 Backup System	1.2	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6	10, 11
StoreOnce 2000	2.0	Ethernet	Opt_Dup	No	Enterprise Edition	Enterprise Edition	No	5, 6 [1] [2]	10, 11

Hewlett Packard Enterprise - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
StoreOnce 2000 [3]	2.1	Ethernet	A.I.R., Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11
StoreOnce 2000 [3] [4]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11
StoreOnce 2000 [3] [4] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	5, 6, 7 [1] [2]	10, 11, 12
StoreOnce 3000 [3] [4] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	6, 7 [2]	11, 12
StoreOnce 3500 [3] [4] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	6, 7 [2]	11, 12
StoreOnce 3500 [3] [4] [5] [6]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	6, 7 [2]	11, 12 [7]
StoreOnce 4000	2.0	Ethernet	Opt_Dup	No	Enterprise Edition	Enterprise Edition	No	5, 6 [1] [2]	10, 11
StoreOnce 4000 [3]	2.1	Ethernet	A.I.R., Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11
StoreOnce 4000 [3] [4]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11
StoreOnce 4000 [3] [4]	3.0	Fibre Channel	A.I.R., Granular_Recovery, GRT_VMware	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11 [8]
StoreOnce 4000 [3] [4] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	5, 6, 7 [1] [2]	10, 11, 12
StoreOnce 4000 [3] [4] [5] [6]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	5, 6, 7 [1] [2]	10, 11, 12 [7]

Hewlett Packard Enterprise - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
StoreOnce 5000 [3] [4] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	6, 7 [2]	11, 12
StoreOnce 5000 [3] [4] [5] [6]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	6, 7 [2]	11, 12 [7]
StoreOnce 6000	2.0	Ethernet	Opt_Dup	No	Enterprise Edition	Enterprise Edition	No	5, 6 [1] [2]	10, 11
StoreOnce 6000 [3]	2.1	Ethernet	A.I.R., Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11
StoreOnce 6000 [3] [4]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11
StoreOnce 6000 [3] [4]	3.0	Fibre Channel	A.I.R., Granular_Recovery, GRT_VMware	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11 [8]
StoreOnce 6000 [3] [4] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	5, 6, 7 [1] [2]	10, 11, 12
StoreOnce 6000 [3] [4] [5] [6]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	5, 6, 7 [1] [2]	10, 11, 12 [7]
StoreOnce VSA [9]	2.0	Ethernet	Opt_Dup	No	No	Enterprise Edition	No	5, 6 [1] [2]	10, 11
StoreOnce VSA [3] [9]	2.1	Ethernet	A.I.R., Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11
StoreOnce VSA [3] [4] [9]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, Opt_Dup	No	No	Enterprise Edition	Datacenter	5, 6 [1] [2]	10, 11
StoreOnce VSA [3] [4] [5] [9]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	No	No	Enterprise Edition	Datacenter	5, 6, 7 [1] [2]	10, 11, 12

1. The Red Hat plug-in is also supported with Oracle Linux 5.

2. The Red Hat plug-in is also supported with Oracle Linux 6.
3. NetBackup 7.6 or later is required for Auto Image Replication support.
4. NetBackup 7.5 or later is required for Granular Recovery Technology support.
5. StoreOnce software version 3.12 or later is required for Accelerator support.
6. Targeted A.I.R. support over Fibre Channel requires plug-in version 3.1.2 or later.
7. Fibre Channel data path is supported on SLES 11 GA through SP2 with StoreOnce software versions earlier than 3.13.1. Fibre Channel data path is supported on SLES 11 SP3 and later updates with StoreOnce software versions 3.13.1 or later.
8. Fibre Channel data path is supported on SLES 11 with the GA, SP1, and SP2 updates.
9. This device is a virtual appliance. For compatible versions of VMware, see Hewlett Packard Enterprise's and VMware's compatibility lists.

Hewlett Packard Enterprise - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
D2D2500 G2 Backup System	1.2	Ethernet	Opt_Dup	No	11.31	10
D2D4100 G2 Backup System	1.2	Ethernet	Opt_Dup	No	11.31	10
D2D4300 G2 Backup System	1.2	Ethernet	Opt_Dup	No	11.31	10
StoreOnce 2000	2.0	Ethernet	Opt_Dup	No	11.31	10, 11
StoreOnce 2000 [1] [2]	3.0	Ethernet	Granular_Recovery, GRT_VMware, Opt_Dup	No	11.31	No
StoreOnce 2000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 3000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 3500 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 3500 [1] [2] [3] [4]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 4000	2.0	Ethernet	Opt_Dup	No	11.31	10, 11

Hewlett Packard Enterprise - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
StoreOnce 4000 [1] [2]	3.0	Ethernet	Granular_Recovery, GRT_VMware, Opt_Dup	No	11.31	No
StoreOnce 4000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 4000 [1] [2] [3] [4]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 5000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 5000 [1] [2] [3] [4]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 6000	2.0	Ethernet	Opt_Dup	No	11.31	10, 11
StoreOnce 6000 [1] [2]	3.0	Ethernet	Granular_Recovery, GRT_VMware, Opt_Dup	No	11.31	No
StoreOnce 6000 [1] [2] [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 6000 [1] [2] [3] [4]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce VSA [1] [2] [5]	3.0	Ethernet	Granular_Recovery, GRT_VMware, Opt_Dup	No	11.31	No
StoreOnce VSA [1] [2] [3] [5]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11

1. NetBackup 7.5 or later is required for Granular Recovery Technology support.
2. NetBackup 7.6 or later is required for Auto Image Replication support.
3. StoreOnce software version 3.12 or later is required for Accelerator support.
4. Targeted A.I.R. support over Fibre Channel requires plug-in version 3.1.2 or later.
5. This device is a virtual appliance. For compatible versions of VMware, see Hewlett Packard Enterprise's and VMware's compatibility lists.

Hewlett Packard Enterprise - Family Membership

Storage Server Family	Members
D2D2500 G2 Backup System	D2D2502i G2 Backup System, D2D2504i G2 Backup System
D2D4100 G2 Backup System	D2D4106fc G2 Backup System, D2D4106i G2 Backup System, D2D4112 G2 Backup System
D2D4300 G2 Backup System	D2D4312 G2 Backup System, D2D4324 G2 Backup System
StoreOnce 2000	StoreOnce 2620, StoreOnce 2700, StoreOnce 2900
StoreOnce 3000	StoreOnce 3100
StoreOnce 3500	StoreOnce 3520, StoreOnce 3540
StoreOnce 4000	StoreOnce 4210fc, StoreOnce 4210i, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700, StoreOnce 4900
StoreOnce 5000	StoreOnce 5100, StoreOnce 5500
StoreOnce 6000	StoreOnce 6500, StoreOnce 6600, StoreOnce B6200

Hitachi

Hitachi - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
Protection Platform S-Series [1] [2]	7.3	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
Protection Platform S-Series [1] [2]	7.3	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
Protection Platform S-Series [3]	8.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
Protection Platform S-Series [3]	8.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. Requires NetBackup 7.5 or later.

Hitachi - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Content Platform (HCP) [1]	OpenStorage Connector 1.0	Ethernet		Enterprise Edition	No	5	No
HCO 212	HCO Adapter 2.2	Ethernet		Enterprise Edition	Datacenter [2]	No	No
HUS 100 series	OpenStorage Connector 1.0	Fibre Channel	Opt_Dup	Enterprise Edition	No	5	No

Hitachi - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HUS 100 series [3]	OpenStorage Connector 1.2	Fibre Channel	A.I.R., Opt_Dup	Enterprise Edition	No	No	No
Protection Platform S-Series [4] [5]	7.3	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition [6]	Datacenter	5, 6 [7] [8]	10, 11
Protection Platform S-Series [4] [5]	7.3	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition [6]	Datacenter	5, 6 [7] [8]	10, 11
Protection Platform S-Series [9]	8.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition [6]	Datacenter	5, 6, 7 [7] [8]	11, 12
Protection Platform S-Series [9]	8.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition [6]	Datacenter	5, 6, 7 [7] [8]	11, 12
SMS/AMS2000 series	OpenStorage Connector 1.0	Fibre Channel	Opt_Dup	Enterprise Edition	No	5	No
SMS/AMS2000 series [3]	OpenStorage Connector 1.2	Fibre Channel	A.I.R., Opt_Dup	Enterprise Edition	No	No	No

1. Supported with HCP 5.0 Appliance Operating System only. Newer versions of HCP Appliance OS are not supported.
2. Plug-in version 2.2.2 or later is required for support with Windows 2012.
3. NetBackup 7.6 or later is required for Auto Image Replication support.
4. NetBackup 7.1 or later is required for Optimized Synthetics support.
5. NetBackup 7.5 or later is required for Granular Recovery Technology support.
6. Requires Windows 2008 R2 or later.
7. The Red Hat plug-in is also supported with CentOS 5.
8. The Red Hat plug-in is also supported with CentOS 6.
9. Requires NetBackup 7.5 or later.

Hitachi - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
Protection Platform S-Series [1] [2]	7.3	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	10, 11
Protection Platform S-Series [1] [2]	7.3	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	10, 11
Protection Platform S-Series [3]	8.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	10, 11
Protection Platform S-Series [3]	8.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	10, 11

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. Requires NetBackup 7.5 or later.

Hitachi - Family Membership

Storage Server Family	Members
Content Platform (HCP)	HCP 300, HCP 500
HUS 100 series	HUS110, HUS130, HUS150
Protection Platform S-Series	Protection Platform S1500, Protection Platform S2500, Protection Platform S2700, Protection Platform S2750
SMS/AMS2000 series	AMS2100, AMS2300, AMS2500, SMS100

Huawei

Huawei - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64
VTL	2.1	Fibre Channel	Direct_Copy_Shared, Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5

Huawei - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC	Solaris on x86-64
VTL	2.1	Fibre Channel	Direct_Copy_Shared, Opt_Dup	5.3, 6.1	10	10

Huawei - Family Membership

Storage Server Family	Members
VTL	VTL3500, VTL6000

IBM

IBM - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64
System Storage TS7600 series with ProtecTIER	2.5	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5
System Storage TS7600 series with ProtecTIER	3.1	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5
System Storage TS7600 series with ProtecTIER [1]	3.2	Ethernet	Granular_Recovery, Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5, 6
System Storage TS7600 series with ProtecTIER [1]	3.3	Ethernet	Granular_Recovery, IR_VMware, Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5, 6
System Storage TS7610SM1	2.5	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5
System Storage TS7610SM1	3.1	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5
System Storage TS7610SM1 [1]	3.2	Ethernet	Granular_Recovery, Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5, 6
System Storage TS7610SM1 [1]	3.3	Ethernet	Granular_Recovery, IR_VMware, Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	5, 6

1. NetBackup 7.5 or later is required for Granular Recovery Technology support.

IBM - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
System Storage TS7600 series with ProtecTIER	2.5	Ethernet	Opt_Dup	5.3, 6.1	10
System Storage TS7600 series with ProtecTIER	3.1	Ethernet	Opt_Dup	5.3, 6.1	10
System Storage TS7600 series with ProtecTIER [1]	3.2	Ethernet	Granular_Recovery, Opt_Dup	6.1, 7.1	10
System Storage TS7600 series with ProtecTIER [1]	3.3	Ethernet	Granular_Recovery, IR_VMware, Opt_Dup	6.1, 7.1	10
System Storage TS7610SM1	2.5	Ethernet	Opt_Dup	5.3, 6.1	10
System Storage TS7610SM1	3.1	Ethernet	Opt_Dup	5.3, 6.1	10
System Storage TS7610SM1 [1]	3.2	Ethernet	Granular_Recovery, Opt_Dup	6.1, 7.1	10
System Storage TS7610SM1 [1]	3.3	Ethernet	Granular_Recovery, IR_VMware, Opt_Dup	6.1, 7.1	10

1. NetBackup 7.5 or later is required for Granular Recovery Technology support.

IBM - Family Membership

Storage Server Family	Members
System Storage TS7600 series with ProtecTIER	System Storage TS7620, System Storage TS7650AP1, System Storage TS7650G

NEC

NEC - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.3.1	Ethernet	Opt_Dup	Enterprise Edition	No	No	No	No	No
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.3.3	Ethernet	Opt_Dup	No	Enterprise Edition	Enterprise Edition	No	5	11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.4	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.6.1	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6	11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.7	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.8	Ethernet	Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1] [2]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	No
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1] [2]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	No

NEC - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1] [2]	2.11	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	No
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.3.1	Ethernet	Opt_Dup	Enterprise Edition	No	No	No	No	No
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.3.3	Ethernet	Opt_Dup	No	Enterprise Edition	Enterprise Edition	No	5	11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.4	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.6.1	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6	11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.7	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.8	Ethernet	Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1] [2]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	No

NEC - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HYDRAsor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1] [2]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	No
HYDRAsor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1] [2]	2.11	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6, 7	No
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.3.1	Ethernet	Opt_Dup	Enterprise Edition	No	No	No	No	No
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.3.3	Ethernet	Opt_Dup	No	Enterprise Edition	Enterprise Edition	No	5	11
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.4	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	11
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.6.1	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6	11
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.7	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	11

NEC - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.8	Ethernet	Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	11
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1] [2]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	No
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1] [2]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6	No
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1] [2]	2.11	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6, 7	No
HYDRAsor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen) [2] [3]	2.11	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	No	Enterprise Edition	Datacenter	5, 6, 7	No

1. NetBackup 7.1 or later is required for Optimized Synthetics support.

2. NetBackup 7.6 or later is required for Auto Image Replication support. A.I.R. must be configured according to the "Custom A.I.R. Configuration" specified in NEC's white paper "OpenStorage (OST) Auto Image Replication Setup Guide", which may be obtained from NEC.

3. Requires NetBackup 7.5 or later.

NEC - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.3.3	Ethernet	Opt_Dup	No	No	10
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.4	Ethernet	Opt_Dup	No	No	10
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.6.1	Ethernet	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.7	Ethernet	Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.8	Ethernet	Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1] [2]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1] [2]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1] [2]	2.11	Ethernet	A.I.R., Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.3.3	Ethernet	Opt_Dup	No	No	10
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.4	Ethernet	Opt_Dup	No	No	10
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.6.1	Ethernet	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.7	Ethernet	Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.8	Ethernet	Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1] [2]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1] [2]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11

NEC - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1] [2]	2.11	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.3.3	Ethernet	Opt_Dup	No	No	10
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.4	Ethernet	Opt_Dup	No	No	10
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.6.1	Ethernet	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.7	Ethernet	Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.8	Ethernet	Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1] [2]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1] [2]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1] [2]	2.11	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen) [2] [3]	2.11	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11

1. NetBackup 7.1 or later is required for Optimized Synthetics support.

2. NetBackup 7.6 or later is required for Auto Image Replication support. A.I.R. must be configured according to the "Custom A.I.R. Configuration" specified in NEC's white paper "OpenStorage (OST) Auto Image Replication Setup Guide", which may be obtained from NEC.

3. Requires NetBackup 7.5 or later.

NEC - Family Membership

Storage Server Family	Members
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	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)	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)	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
HYDRAstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen)	HYDRAstor HS3-510, HYDRAstor HS8-5000, iStorage HS3-50, iStorage HS8-50, NEC Storage HS3-50, NEC Storage HS8-50

NetApp

NetApp - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
AltaVault [1]	1.0	Ethernet	Opt_Dup	Enterprise Edition	Datacenter	6, 7

1. Requires NetBackup 7.5 or later.

NetApp - Family Membership

Storage Server Family	Members
AltaVault	AVA-400, AVA-800, AVA-c4, AVA-c8, AVA-c16, AVA-v2, AVA-v8, AVA-v16, AVA-v32

Nexenta

Nexenta - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Red Hat Enterprise Linux on x86-64
NexentaStor	1.0	Ethernet	Opt_Dup	5, 6 [1] [2]

1. The Red Hat plug-in is also supported with CentOS 5.
2. The Red Hat plug-in is also supported with CentOS 6.

Oracle

Oracle - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ZFS Storage Appliance series	1.0	Ethernet	Opt_Dup	Enterprise Edition	Enterprise Edition	5, 6	10, 11

Oracle - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC	Solaris on x86-64
ZFS Storage Appliance series	1.0	Ethernet	Opt_Dup	6.1, 7.1	10, 11	10

Oracle - Family Membership

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

Quantum

Quantum - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
DXi4700 Series [1] [2] [3]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6700 Series [2] [3]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6800 Series [2] [3]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6900 Series [2] [3]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi8500 Series [2] [3]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi V Series [2] [3] [4]	2.9	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes

1. DXi Software 3.0 or later is required for Direct Copy to Tape support.
2. NetBackup 7.1 or later is required for Optimized Synthetics support.
3. NetBackup 7.5 or later is required for Granular Recovery Technology support.
4. This device is a virtual appliance. For compatible versions of VMware, see Quantum's and VMware's compatibility lists.

Quantum - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi4000 Series [1] [2]	2.9	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
DXi4000 Series [1] [2]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi4000 Series [3]	3.1	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
DXi4700 Series [1] [2] [4]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
DXi4700 Series [1] [2] [4] [5]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	5, 6	No
DXi4700 Series [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6000 Series [1] [2] [6]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
DXi6000 Series [1] [2] [6]	3.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi6000 Series [3]	3.1	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6700 Series [1] [2]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11

Quantum - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi6700 Series [1] [2]	3.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi6700 Series [3]	3.1	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6800 Series [1] [2]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
DXi6800 Series [1] [2] [5]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	5, 6	No
DXi6800 Series [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6900 Series [1] [2]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
DXi6900 Series [1] [2] [5]	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	5, 6	No
DXi6900 Series [3]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
DXi8500 Series [1] [2]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11

Quantum - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi8500 Series [1] [2]	3.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi8500 Series [3]	3.1	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12
DXi V Series [1] [2] [7]	2.9	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
DXi V Series [1] [2] [7]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi V Series [3] [7]	3.1	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Enterprise Edition	Datacenter	6, 7	11, 12

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. Requires NetBackup 7.5 or later.
4. DXi Software 3.0 or later is required for Direct Copy to Tape support.
5. Accelerator support requires DXi Software 3.1 or later.
6. The Direct Copy to shared tape drives feature (Direct_Copy_Shared) is supported on the DXi6540 and DXi6550 models.
7. This device is a virtual appliance. For compatible versions of VMware, see Quantum's and VMware's compatibility lists.

Quantum - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DXi4000 Series [1] [2]	2.9	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DXi4700 Series [1] [2] [3]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DXi6000 Series [1] [2] [4]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DXi6700 Series [1] [2]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DXi6800 Series [1] [2]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DXi6900 Series [1] [2]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DXi8500 Series [1] [2]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DXi V Series [1] [2] [5]	2.9	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. DXi Software 3.0 or later is required for Direct Copy to Tape support.
4. The Direct Copy to shared tape drives feature (Direct_Copy_Shared) is supported on the DXi6540 and DXi6550 models.
5. This device is a virtual appliance. For compatible versions of VMware, see Quantum's and VMware's compatibility lists.

Quantum - Family Membership

Storage Server Family	Members
DXi4000 Series	DXi4510, DXi4520, DXi4601
DXi4700 Series	DXi4701
DXi6000 Series	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550
DXi6700 Series	DXi6700, DXi6701, DXi6702
DXi6800 Series	DXi6802
DXi6900 Series	DXi6900, DXi6900-S
DXi8500 Series	DXi8500, DXi8500 2TB, DXi8500 3TB
DXi V Series	DXi V1000, DXi V2000, DXi V4000

SEPATON

SEPATON - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
S2100 [1] [2]	7.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
S2100 [1] [2]	7.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
S2100 [1] [2]	7.3	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
S2100 [1] [2]	7.3	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
S2100 [3]	8.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
S2100 [3]	8.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. Requires NetBackup 7.5 or later.

SEPATON - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
S2100	5.4	Ethernet		Enterprise Edition [1]	No	5	No
S2100	6.0	Ethernet		Enterprise Edition [1]	No	5	No
S2100 [2]	6.1	Ethernet	A.I.R., Accelerator, Opt_Synth	Enterprise Edition [1]	No	5, 6 [3] [4]	10, 11
S2100 [2]	6.3	Ethernet	A.I.R., Accelerator, Opt_Dup, Opt_Synth	Enterprise Edition [1]	No	5, 6 [3] [4]	10, 11
S2100 [2] [5]	7.0	Ethernet	A.I.R., Accelerator, Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition [1]	No	5, 6 [3] [4]	10, 11
S2100 [2] [5]	7.1	Ethernet	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	Datacenter	5, 6 [3] [4]	10, 11
S2100 [2] [5]	7.1	Fibre Channel	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	No	5, 6 [3] [4]	10, 11
S2100 [2] [5]	7.2	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	Datacenter	5, 6 [3] [4]	10, 11
S2100 [2] [5]	7.2	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	Datacenter	5, 6 [3] [4]	10, 11
S2100 [2] [5]	7.3	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition [1]	Datacenter	5, 6 [3] [4]	10, 11
S2100 [2] [5]	7.3	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition [1]	Datacenter	5, 6 [3] [4]	10, 11
S2100 [6]	8.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition [1]	Datacenter	5, 6, 7 [3] [4]	11, 12
S2100 [6]	8.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition [1]	Datacenter	5, 6, 7 [3] [4]	11, 12

1. Requires Windows 2008 R2 or later.
2. NetBackup 7.1 or later is required for Optimized Synthetics support.
3. The Red Hat plug-in is also supported with CentOS 5.

4. The Red Hat plug-in is also supported with CentOS 6.
5. NetBackup 7.5 or later is required for Granular Recovery Technology support.
6. Requires NetBackup 7.5 or later.

SEPATON - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
S2100	5.4	Ethernet		No	10
S2100	6.0	Ethernet		No	10
S2100 [1]	6.1	Ethernet	A.I.R., Accelerator, Opt_Synth	6.1, 7.1	10
S2100 [1]	6.3	Ethernet	A.I.R., Accelerator, Opt_Dup, Opt_Synth	6.1, 7.1	10
S2100 [1] [2]	7.0	Ethernet	A.I.R., Accelerator, Granular_Recovery, Opt_Dup, Opt_Synth	6.1, 7.1	10
S2100 [1] [2]	7.1	Ethernet	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100 [1] [2]	7.1	Fibre Channel	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100 [1] [2]	7.2	Ethernet	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100 [1] [2]	7.2	Fibre Channel	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100 [1] [2]	7.3	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	10, 11
S2100 [1] [2]	7.3	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	10, 11
S2100 [3]	8.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	10, 11
S2100 [3]	8.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	10, 11

1. NetBackup 7.1 or later is required for Optimized Synthetics support.
2. NetBackup 7.5 or later is required for Granular Recovery Technology support.
3. Requires NetBackup 7.5 or later.

SEPATON - Family Membership

Storage Server Family	Members
S2100	S2100-DS3, S2100-ES2, S2100-ES3

Veritas

Veritas - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
NetBackup 5000 [1]	NetBackup 7.0 and later	Ethernet	Accelerator, Accel_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5	10
NetBackup 5020 [1] [2]	NetBackup 7.1 and later	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5	10
NetBackup 5020 (FC) [1] [2] [3]	NetBackup 7.1 and later	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	No	4, 5	10
NetBackup 5030 [1]	NetBackup 7.1 and later	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5	10
NetBackup 5030 (FC) [1]	NetBackup 7.1 and later	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	No	4, 5	10

1. NetBackup 7.1 or later is recommended for Optimized Synthetics support.
2. NetBackup 5020 Appliance version 1.4 or later is required for Auto Image Replication.
3. NetBackup 5020 Appliance version 1.3.0.1 or later is required for use of the Fibre Channel data interface.

Veritas - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Solaris on SPARC
NetBackup 5000 [1]	NetBackup 7.0 and later	Ethernet	Accelerator, Accel_VMware, Opt_Dup, Opt_Synth	10
NetBackup 5020 [1] [2]	NetBackup 7.1 and later	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	10
NetBackup 5030 [1]	NetBackup 7.1 and later	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	10

1. NetBackup 7.1 or later is recommended for Optimized Synthetics support.
2. NetBackup 5020 Appliance version 1.4 or later is required for Auto Image Replication.

Virtual Tape Libraries/Drives

Virtual tape device support information is listed below, organized by vendor. Under each vendor there are separate tables showing compatibility with NetBackup Appliances, with Linux/Windows operating systems, and with UNIX operating systems. The tables provide information on supported versions of software, inquiry string (vendor ID + product ID), and other important notes about the hardware and its compatibility.

Contents

<u>Virtual Tape Libraries/Drives - Considerations</u>	<u>Virtual Tape Libraries/Drives - Tape Drive Emulation Attributes</u>	<u>Virtual Tape Libraries/Drives - NetBackup Robot Types</u>
<u>Virtual Tape Libraries/Drives - Vendor Compatibility</u>		

Virtual Tape Libraries/Drives - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at http://www.veritas.com/docs/000040842.</p> <ol style="list-style-type: none"> 1. Virtual tape device software versions are no longer listed in this section. Veritas recommends using the most recent version of software available when you configure the VTL with NetBackup. When a minimum VTL software version is required, it will be listed in a footnote. If a VTL software version is causing a problem, Veritas will work with the hardware vendor to resolve the problem. Veritas and most hardware vendors listed are members of TSA.net. 2. Where support is shown for "Windows Server 2003 Enterprise Edition" it also means that the other editions of Windows Server 2003, Windows Server 2003 R2, and Windows Storage Server 2003 are supported. 3. Where support is shown for "Windows Server 2008 Enterprise Edition" it also means that the other editions of Windows Server 2008 and Windows Server 2008 R2 are supported. Only the x64 (64-bit) editions of the OS are supported as a NetBackup Media Server. Server Core Installation Option is not supported as a NetBackup Media Server. 4. Where support is shown for "Windows Server 2012 Datacenter" it also means that the other editions of Windows Server 2012, Windows Storage Server 2012, Windows Server 2012 R2, and Windows Storage Server 2012 R2 are supported. 5. Where support is shown for "Red Hat Enterprise Linux 4 on x86-64" it also means that Asianux 2, Oracle Linux 4, and Red Flag 5 are supported. 6. Where support is shown for "Red Hat Enterprise Linux 5 on x86-64" it also means that Asianux 3, CentOS 5, and Oracle Linux 5 are supported. 7. Where support is shown for "Red Hat Enterprise Linux 6 on x86-64" it also means that CentOS 6 and Oracle Linux 6 are supported. 8. Where support is shown for "Red Hat Enterprise Linux 7 on x86-64" it also means that CentOS 7 is also supported. 9. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.
Vendor support considerations	<ol style="list-style-type: none"> 1. Check the device manufacturer's compatibility list to verify OS platform support for the version of software running on your VTL. 2. Check the device manufacturer's compatibility list to verify the minimum version of VTL software required for your VTL family member. 3. The list of attributes for each drive emulation is based on the most recent version of Virtual tape device software tested. Check with the device manufacturer to determine when support for a specific attribute was added.

Subject	Notes
Configuration considerations	<ol style="list-style-type: none"> 1. The virtual library must be configured with the unique VTL inquiry string as listed. Using the inquiry string to emulate a real library model is not supported even if the real device is supported with NetBackup. (If an AIX media server running NetBackup 7.5 or later is being used for robotic control, an alternate emulated string listed below may be used.) 2. Only the virtual tape drive emulations listed with each virtual library are supported. Other virtual tape drive emulations are not supported even if the real device being emulated is supported with NetBackup. Conversely, a virtual tape drive emulation listed as supported in this section does not mean the physical model is also supported. 3. Veritas recommends the use of SCSI Persistent Reserve (SPR) whenever all the hardware in your device path supports it. Refer to the NetBackup Administrator's Guide for more information on SPR and the types of configurations where SPR may be more effective than the default SPC-2 SCSI reserve and release method. 4. NetBackup NDMP Direct Copy with VTL enables NDMP tape duplication to physical tape libraries. For more information on this feature, see "NDMP Direct Copy with VTL" in the Veritas NetBackup for NDMP Administrator's Guide at at http://www.veritas.com/docs/000003214.
OS library and tape driver considerations	<ol style="list-style-type: none"> 1. Refer to the Tape Drives section of this document for information on supported tape drivers. 2. On IBM AIX, use of the IBM Atape driver is required with IBM tape libraries. The Atape driver's multi-path feature must be disabled. 3. NetBackup has been supporting non-IBM tape libraries (robotics) with an IBM AIX robotic control host using the "ovpass" driver for many years. Changes and new functionality in AIX 6.1 and 7.1 have resulted in some issues with ovpass and an inability to support new functionality such as dynamic tracking and controlling SAS robots. Therefore, beginning with NetBackup 7.5, Veritas is no longer supporting the ovpass driver. Existing customers may continue to use ovpass as they are today, but if issues are encountered Veritas will not be able to resolve them. Some VTLs have been tested with an emulated physical library inquiry string that is listed along with the device's unique VTL inquiry string. Veritas recommends configuring your VTL using this alternate library inquiry string, or using another OS platform as the robotic control host.
Operational considerations	<ol style="list-style-type: none"> 1. Filling up the available disk space on a virtual device may cause unpredictable behavior of the device. Working with the device vendor may be required to recover from errors that result from a full disk. 2. NetBackup NDMP Direct Copy with VTL or an embedded NetBackup media server (e.g., EMC DL4000) may be used to copy backup images (not media) from the VTL directly to physical tape or a 2nd VTL. Copying virtual media to physical media or a 2nd virtual media is not supported by Veritas; any support for this must come from the VTL vendor providing the capability. If the VTL copies virtual media to physical media (or a 2nd VTL), NetBackup is not aware of the physical media or 2nd virtual media and may not be able to recover that data directly from it. 3. When NetBackup expires a virtual volume, the virtual device is not aware that the data is no longer needed. Because of this, the virtual device may appear to be much closer to capacity than it really is. When NetBackup subsequently begins writing to that virtual volume at the beginning of the volume, the virtual library will then be aware that the rest of the data is no longer needed and can free up the disk space.
Operating system support added	<ol style="list-style-type: none"> 1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

Virtual Tape Libraries/Drives - Tape Drive Emulation Attributes

The following table lists attributes supported with Virtual Tape Libraries and indicates the NetBackup 7.0 - 7.6.x version at which that attribute was first supported.

Attribute	Abbreviation	NetBackup Release Supported
NDMP Direct Copy with VTL, physical tape drives used with this feature must be dedicated to the VTL.	DirCpy_Ded	7.0 GA
NDMP Direct Copy with VTL, physical tape drives used with this feature can be shared using NetBackup Shared Storage Option (SSO).	DirCpy_Shr	7.0 GA
SCSI Reservation	SResv	7.0 GA
SCSI Persistent Reservation	SPR	7.0 GA
Write Once, Read Many	WORM	7.0 GA
NetBackup Encryption Key Management Service	KMS	7.0 GA
Append-only mode	App	7.0 GA

Virtual Tape Libraries/Drives - NetBackup Robot Types

Most Virtual Tape Libraries use the NetBackup robot type TLD. The following table lists operating system platform support for TLD robots. For supported OS versions, refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at [<http://www.veritas.com/docs/000040842.>](http://www.veritas.com/docs/000040842)

A few Virtual Tape Libraries use NetBackup robot type ACS. For information on ACS robotics support, see [ACS - Oracle Automated Cartridge System](#) in the Tape Libraries section.

For more information about configuring robot types, see the NetBackup Device Configuration Guide at [<http://www.veritas.com/docs/000003214.>](http://www.veritas.com/docs/000003214)

TLD - Tape Library DLT

Operating System	NetBackup Release Supported
AIX on POWER	7.0 GA - Note: Beginning with NetBackup 7.5, Veritas is no longer supporting the ovpass driver. For more information, see the note at the beginning of this section.
HP-UX on IA64	7.0 GA
HP-UX on PA-RISC	7.0 GA - Not supported as a media server with NetBackup 7.6.1 and later.
NDMP	7.0 GA

TLD - Tape Library DLT

Operating System	NetBackup Release Supported
Red Hat Enterprise Linux on x86-64	7.0 GA
Red Hat Enterprise Linux on zArch	7.0 GA
Solaris on SPARC	7.0 GA
Solaris on x64	7.0 GA
SUSE Linux Enterprise Server on x86-64	7.0 GA
SUSE Linux Enterprise Server on zArch	7.0 GA
Windows Server 2003 32-bit OS	7.0 GA - Not supported as a media server with NetBackup 7.6 and later.
Windows Server 2003 x64	7.0 GA
Windows Server 2008 x64	7.0 GA
Windows Server 2012 x64	7.6 GA

Virtual Tape Libraries/Drives - Vendor Compatibility

Contents

<u>ADIC</u>	<u>ADTX</u>	<u>Amazon</u>
<u>Copan</u>	<u>Data Domain</u>	<u>Dell</u>
<u>Diligent</u>	<u>EMC</u>	<u>FalconStor</u>
<u>Fujitsu</u>	<u>Hewlett Packard Enterprise</u>	<u>Hitachi</u>
<u>Huawei</u>	<u>IBM</u>	<u>KEL</u>
<u>NEC</u>	<u>NetApp</u>	<u>Overland Storage</u>
<u>Quantum</u>	<u>SEPATON</u>	<u>Spectra Logic</u>
<u>StorageTek</u>	<u>Sun</u>	<u>Tandberg</u>

ADIC

ADIC - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Red Hat Enterprise Linux on x86-64
Pathlight VX - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	ADIC^^^Pathlight^VX		Enterprise Edition	4, 5

1. Veritas supports the Pathlight VX methodology of direct access to physical media and the creation of physical media, readable by NetBackup, whose barcode is synchronized with the virtual media on the Pathlight VX. This entire process retains full traceability of the media through the NetBackup catalog. Support for physical tape creation is provided by ADIC.

ADIC - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	Solaris on SPARC
Pathlight VX - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	ADIC^^^Pathlight^VX		5.3, 6.1	11.11, 11.23, 11.31	10

1. Veritas supports the Pathlight VX methodology of direct access to physical media and the creation of physical media, readable by NetBackup, whose barcode is synchronized with the virtual media on the Pathlight VX. This entire process retains full traceability of the media through the NetBackup catalog. Support for physical tape creation is provided by ADIC.

ADIC - Family Membership

VTL Family - Interface	Members
Pathlight VX - Fibre Channel	Pathlight VX 450, Pathlight VX 650

ADTX

ADTX - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
VT-AN400 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON [™] VTL		Enterprise Edition	Enterprise Edition	4, 5	10, 11

ADTX - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	Solaris on SPARC
VT-AN400 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON [™] VTL		5.3, 6.1	11.11, 11.23, 11.31	10

Amazon

Amazon - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
AWS Storage Gateway VTL - iSCSI [1] [2] [3]	IBM LTO - all generations	Latest from Manufacturer	AWS~~~~Gateway-VTL		Enterprise Edition	Datacenter	5, 6, 7

1. Please refer to [AWS documentation <http://docs.aws.amazon.com/storagegateway/latest/userguide/Requirements.html>](http://docs.aws.amazon.com/storagegateway/latest/userguide/Requirements.html) for hypervisor and host requirements.
2. The AWS Storage Gateway VTL is also supported when deployed as an Amazon EC2 instance.
3. This solution uses S3 and Glacier storage. Please refer to the [Best Practices guide <http://www.veritas.com/docs/000024278>](http://www.veritas.com/docs/000024278) for the Gateway-VTL before deployment.

Copan

Copan - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Revolution 200 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	COPAN^^^MAID^200T		Enterprise Edition	Enterprise Edition	4, 5	10, 11

Copan - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	Solaris on SPARC
Revolution 200 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	COPAN^^^MAID^200T		5.3, 6.1	10

Copan - Family Membership

VTL Family - Interface	Members
Revolution 200 Series - Fibre Channel	200T, 220T, 220TX

Data Domain

Data Domain - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
Appliance Series - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC~~~~DDVTL, D_DOMAINRESTORER_L180, IBM~~~~03584L32, ADIC~~~~Scalar~i2000		Yes	Yes
Appliance Series - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~DDVTL, D_DOMAINRESTORER_L180, IBM~~~~03584L32, ADIC~~~~Scalar~i2000		Yes	Yes

1. The ADIC inquiry string is supported with VTL software version 5.3 and later.

Data Domain - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Appliance Series - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC~~~~DDVTL, D_DOMAINRESTORER_L180, IBM~~~~03584L32, ADIC~~~~Scalar~i2000		No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
Appliance Series - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~DDVTL, D_DOMAINRESTORER_L180, IBM~~~~03584L32, ADIC~~~~Scalar~i2000		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
DD400 Series - Fibre Channel [2]	IBM LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		Enterprise Edition	No	No	No	4, 5	No

1. The ADIC inquiry string is supported with VTL software version 5.3 and later.

2. One NetBackup Media Server per Data Domain Restorer with the VTL option enabled.

Data Domain - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Appliance Series - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC~~~~DDVTL, D_DOMAINRESTORER_L180, IBM~~~~03584L32, ADIC~~~~Scalar^i2000		No	11.31	11.31	10, 11	10
Appliance Series - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~DDVTL, D_DOMAINRESTORER_L180, IBM~~~~03584L32, ADIC~~~~Scalar^i2000		5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10
DD400 Series - Fibre Channel [2]	IBM LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		No	No	No	10	No

1. The ADIC inquiry string is supported with VTL software version 5.3 and later.
2. One NetBackup Media Server per Data Domain Restorer with the VTL option enabled.

Data Domain - Family Membership

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

Dell

Dell - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
DR Series - iSCSI	IBM LTO - all generations	Latest from Manufacturer	DELL~DR_L700		Enterprise Edition	Datacenter	5, 6

Diligent

Diligent - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Red Hat Enterprise Linux on x86-64
ProtectTIER - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	DTC~~~~VTF		Enterprise Edition	4, 5

Diligent - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC
ProtectTIER - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	DTC~~~~VTF		5.3, 6.1	11.11, 11.23, 11.31	11.31	10

EMC

EMC - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
Disk Library Series - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library		Yes	Yes
Disk Library Series - Fibre Channel [1]	Quantum SDLT 320	Latest from Manufacturer	EMC~~~~Disk^Library		Yes	Yes
DL3D series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~DL1500		Yes	Yes
DL5000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library	DirCpy_Shr	Yes	Yes
DL5000 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library	DirCpy_Shr	Yes	Yes

1. Consolidated Media Management is supported through an integrated NetBackup Media Server (6.5, 6.0, or 5.1) that runs natively on this device. Upgrading the integrated NetBackup Media Server from NetBackup 6.0 to 6.5 is allowed. The integrated NetBackup Media Server cannot be upgraded to NetBackup 7.x. The integrated NetBackup Media Server is not to be used as the Global Device Database Host, Volume Database Host, or Master Server in the NetBackup environment. The purpose of the integrated Media Server is to duplicate and vault disk-based backup images stored on the device to physical tape or another virtual tape on a second EMC Disk Library device. It is not to be used to backup NetBackup Clients across the LAN. The integrated NetBackup Media Server controls any attached physical tape libraries and drives for the second EMC Disk Library device. See the appropriate Tape Library, Tape Drive, or Virtual Tape Drive/Library sections of this document for a list of supported devices that can be attached to the integrated Media Server. For further details contact EMC for a Best Practice White Paper on the solution.

EMC - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Disk Library Series - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	10, 11, 12
Disk Library Series - Fibre Channel [1]	Quantum SDLT 320	Latest from Manufacturer	EMC~~~~Disk^Library		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11

EMC - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DL3D series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~DL1500		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6, 7	10, 11, 12
DL5000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DL5000 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
NDMP2D - NDMP	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~svtIrobot		Enterprise Edition	No	No	No	4, 5	10, 11

1. Consolidated Media Management is supported through an integrated NetBackup Media Server (6.5, 6.0, or 5.1) that runs natively on this device. Upgrading the integrated NetBackup Media Server from NetBackup 6.0 to 6.5 is allowed. The integrated NetBackup Media Server cannot be upgraded to NetBackup 7.x. The integrated NetBackup Media Server is not to be used as the Global Device Database Host, Volume Database Host, or Master Server in the NetBackup environment. The purpose of the integrated Media Server is to duplicate and vault disk-based backup images stored on the device to physical tape or another virtual tape on a second EMC Disk Library device. It is not to be used to backup NetBackup Clients across the LAN. The integrated NetBackup Media Server controls any attached physical tape libraries and drives for the second EMC Disk Library device. See the appropriate Tape Library, Tape Drive, or Virtual Tape Drive/Library sections of this document for a list of supported devices that can be attached to the integrated Media Server. For further details contact EMC for a Best Practice White Paper on the solution.

EMC - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Disk Library Series - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
Disk Library Series - Fibre Channel [1]	Quantum SDLT 320	Latest from Manufacturer	EMC~~~~Disk^Library		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
DL3D series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~DL1500		5.3, 6.1	11.23, 11.31	11.31	10	10

EMC - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DL5000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library	DirCpy_Shr	No	No	No	10, 11	10, 11
DL5000 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~Disk^Library	DirCpy_Shr	7.1	No	No	10	10
NDMP2D - NDMP	IBM LTO - all generations	Latest from Manufacturer	EMC~~~~svtIrobot		5.3, 6.1	11.11, 11.23, 11.31	No	10	No

1. Consolidated Media Management is supported through an integrated NetBackup Media Server (6.5, 6.0, or 5.1) that runs natively on this device. Upgrading the integrated NetBackup Media Server from NetBackup 6.0 to 6.5 is allowed. The integrated NetBackup Media Server cannot be upgraded to NetBackup 7.x. The integrated NetBackup Media Server is not to be used as the Global Device Database Host, Volume Database Host, or Master Server in the NetBackup environment. The purpose of the integrated Media Server is to duplicate and vault disk-based backup images stored on the device to physical tape or another virtual tape on a second EMC Disk Library device. It is not to be used to backup NetBackup Clients across the LAN. The integrated NetBackup Media Server controls any attached physical tape libraries and drives for the second EMC Disk Library device. See the appropriate Tape Library, Tape Drive, or Virtual Tape Drive/Library sections of this document for a list of supported devices that can be attached to the integrated Media Server. For further details contact EMC for a Best Practice White Paper on the solution.

EMC - Family Membership

VTL Family - Interface	Members
Disk Library Series - Fibre Channel	CDL210, CDL300 Series, CDL310, CDL700, CDL700 Series, CDL710, CDL720, CDL740, DL4000 Series, DL6000 Series
DL3D series - Fibre Channel	DL1500, DL3000

FalconStor

FalconStor - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
VirtualTape Library (CentOS 4.2 VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	Yes	Yes
VirtualTape Library (RedHat VTL Server Platform) - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^VTL, IBM^03584L22	DirCpy_Shr	Yes	Yes
VirtualTape Library (RedHat VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL, IBM^03584L22	DirCpy_Shr	Yes	Yes
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^VTL		Yes	Yes
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FALCON^VTL		Yes	Yes
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	FALCON^VTL		Yes	Yes

FalconStor - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
VirtualTape Library (CentOS 4.2 VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	No	Enterprise Edition	No	No	4, 5, 6	No

FalconStor - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
VirtualTape Library (RedHat VTL Server Platform) - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^VTL, IBM^03584L22	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
VirtualTape Library (RedHat VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL, IBM^03584L22	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^VTL		Enterprise Edition	Enterprise Edition	No	No	No	10, 11
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FALCON^VTL		Enterprise Edition	Enterprise Edition	No	No	No	10, 11
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	FALCON^VTL		Enterprise Edition	Enterprise Edition	No	No	No	10, 11
VirtualTape Library (SUSE Linux 9.3 VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11

FalconStor - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
VirtualTape Library (RedHat VTL Server Platform) - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^VTL, IBM^03584L22	DirCpy_Shr	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10
VirtualTape Library (RedHat VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL, IBM^03584L22	DirCpy_Shr	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^VTL		5.3, 6.1	11.11, 11.23	11.31	10	No
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FALCON^VTL		5.3, 6.1	11.11, 11.23	11.31	10	No
VirtualTape Library (Solaris 10 x86-64 VTL Server Platform) - Fibre Channel	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	FALCON^VTL		5.3, 6.1	11.11, 11.23	11.31	10	No
VirtualTape Library (SUSE Linux 9.3 VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL		5.3, 6.1	11.11, 11.23, 11.31	No	10	No

Fujitsu

Fujitsu - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
CentricStor - Fibre Channel (EOL)	IBM LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
CentricStor - Fibre Channel (EOL)	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
CentricStor - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
ETERNUS CS (ACS) - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
ETERNUS CS (ACS) - Fibre Channel [1]	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
ETERNUS CS (ACS) - Fibre Channel [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
ETERNUS CS - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
ETERNUS CS - Fibre Channel	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
ETERNUS CS - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^~~~~CS-TL		Yes	Yes
ETERNUS CS800 S2 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL	DirCpy_Ded	Yes	Yes
ETERNUS CS800 S2 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL	DirCpy_Ded	Yes	Yes
ETERNUS CS800 S3 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S3 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S4 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S4 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S5 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S5 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^~~~~CS-TL	DirCpy_Shr	Yes	Yes

1. For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.

Fujitsu - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
CentricStor - Fibre Channel (EOL)	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	Enterprise Edition	No	No	No	10, 11
CentricStor - Fibre Channel (EOL)	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11
CentricStor - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	Enterprise Edition	No	No	No	10, 11
ETERNUS CS (ACS) - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS (ACS) - Fibre Channel [1]	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6, 7	10, 11, 12
ETERNUS CS (ACS) - Fibre Channel [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	5, 6, 7	10, 11, 12
ETERNUS CS - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL		No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS - Fibre Channel	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^CS-TL		No	Enterprise Edition	Enterprise Edition	No	5, 6, 7	10, 11, 12
ETERNUS CS - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^CS-TL		No	Enterprise Edition	Enterprise Edition	No	5, 6, 7	10, 11, 12

Fujitsu - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS800 S2 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Ded	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5	No
ETERNUS CS800 S2 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Ded	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5	No
ETERNUS CS800 S3 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S3 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S4 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Shr	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S4 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Shr	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S5 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Shr	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S5 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Shr	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S6 - Fibre Channel [2]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC ^W CS-TL	DirCpy_Shr	No	No	Enterprise Edition	Datacenter	6, 7	10, 11

Fujitsu - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS800 S6 - Fibre Channel [2]	IBM LTO - all generations	Latest from Manufacturer	FSC ^{~~~~} CS-TL	DirCpy_Shr	No	No	Enterprise Edition	Datacenter	6, 7	10, 11
ETERNUS VT600 - Fibre Channel [1]	IBM TotalStorage 3590 - all generations	Latest from Manufacturer			Enterprise Edition	No	No	No	4, 5	10, 11

1. For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.

2. Requires NetBackup 7.5 or later.

Fujitsu - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
CentricStor - Fibre Channel (EOL)	IBM LTO - all generations	Latest from Manufacturer	FSC ^{~~~~} CS-TL		5.3, 6.1	11.23, 11.31	11.31	10	10
CentricStor - Fibre Channel (EOL)	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC ^{~~~~} CS-TL		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	10
CentricStor - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC ^{~~~~} CS-TL		5.3, 6.1	11.23, 11.31	11.31	10	10
ETERNUS CS (ACS) - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FSC ^{~~~~} CS-TL		5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10
ETERNUS CS (ACS) - Fibre Channel [1]	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC ^{~~~~} CS-TL		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10
ETERNUS CS (ACS) - Fibre Channel [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC ^{~~~~} CS-TL		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10

Fujitsu - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
ETERNUS CS - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL		6.1, 7.1	11.23, 11.31	11.31	10, 11	10
ETERNUS CS - Fibre Channel	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC~~~~CS-TL		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10, 11
ETERNUS CS - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC~~~~CS-TL		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10, 11
ETERNUS CS800 S2 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Ded	5.3, 6.1	11.23, 11.31	11.31	10	10
ETERNUS CS800 S2 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Ded	5.3, 6.1	11.23, 11.31	11.31	10	10
ETERNUS CS800 S3 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
ETERNUS CS800 S3 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
ETERNUS CS800 S4 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
ETERNUS CS800 S4 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
ETERNUS CS800 S5 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
ETERNUS CS800 S5 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
ETERNUS CS800 S6 - Fibre Channel [2]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	No	11.31	10, 11	10, 11
ETERNUS CS800 S6 - Fibre Channel [2]	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	No	11.31	10, 11	10, 11

Fujitsu - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
ETERNUS VT600 - Fibre Channel [1]	IBM TotalStorage 3590 - all generations	Latest from Manufacturer			5.3, 6.1	11.11, 11.23, 11.31	No	10	No

1. For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.

2. Requires NetBackup 7.5 or later.

Fujitsu - Family Membership

VTL Family - Interface	Members
ETERNUS CS (ACS) - Fibre Channel	ETERNUS CS50 (ACS), ETERNUS CS500 (ACS), ETERNUS CS1000 (ACS), ETERNUS CS1500 (ACS), ETERNUS CS2000 (ACS), ETERNUS CS3000 (ACS), ETERNUS CS4000 (ACS), ETERNUS CS5000 (ACS), ETERNUS CS8000 (ACS)
ETERNUS CS - Fibre Channel	ETERNUS CS50, ETERNUS CS500, ETERNUS CS1000, ETERNUS CS1500, ETERNUS CS2000, ETERNUS CS3000, ETERNUS CS4000, ETERNUS CS5000, ETERNUS CS8000

Hewlett Packard Enterprise

Hewlett Packard Enterprise - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
D2D4000 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Yes	Yes
D2D4100 G2 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Yes	Yes
D2D4100 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Yes	Yes
D2D4300 G2 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Yes	Yes
StoreOnce 4000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes
StoreOnce 6000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes
VLS 300 EVA Gateway - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 300 EVA Gateway - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 6000 Series - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 6000 Series - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 9000 Series - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 9000 Series - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 9200 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes

Hewlett Packard Enterprise - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
VLS 12000 EVA Gateway - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 12000 EVA Gateway - Fibre Channel	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 12200 EVA Gateway - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes

1. The IBM inquiry string is supported with StoreOnce software version 3.11 and later.

Hewlett Packard Enterprise - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
D2D100 Series Backup System - iSCSI	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Enterprise Edition	Enterprise Edition	No	No	No	No
D2D4000 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5	10, 11
D2D4000 Series Backup System - iSCSI	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5	10
D2D4100 G2 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		No	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
D2D4100 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12

Hewlett Packard Enterprise - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
D2D4300 G2 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		No	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
D2D4312 G2 Backup System - iSCSI	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		No	No	Enterprise Edition	No	No	No
StoreOnce 3500 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		No	No	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
StoreOnce 4000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
StoreOnce 5000 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		No	No	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
StoreOnce 6000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
VLS 300 EVA Gateway - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
VLS 300 EVA Gateway - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Enterprise Edition	No	No	4, 5, 7	10, 11, 12
VLS 1000i - iSCSI [2] [3]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS1000i		Enterprise Edition	No	No	No	No	No
VLS 6000 Series - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12

Hewlett Packard Enterprise - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
VLS 6000 Series - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11
VLS 9000 Series - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
VLS 9000 Series - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11
VLS 9200 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		No	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
VLS 12000 EVA Gateway - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
VLS 12000 EVA Gateway - Fibre Channel	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11
VLS 12200 EVA Gateway - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		No	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12

1. The IBM inquiry string is supported with StoreOnce software version 3.11 and later.
2. Not supported with Shared Storage Option.
3. Supported only with the manufacturer's tape drivers. Not supported with Veritas tape drivers.

Hewlett Packard Enterprise - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
D2D4100 G2 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		No	No	11.31	10, 11	No
D2D4100 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		5.3, 6.1	11.23, 11.31	11.31	10	10
D2D4300 G2 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		No	No	11.31	10	No
StoreOnce 3500 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	11.31	10, 11	10, 11
StoreOnce 3500 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	No	No	No
StoreOnce 4000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10
StoreOnce 4000 - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	No	No	No
StoreOnce 5000 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	11.31	10, 11	10, 11
StoreOnce 5000 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	No	No	No
StoreOnce 6000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10
StoreOnce 6000 - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	No	No	No

Hewlett Packard Enterprise - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
VLS 300 EVA Gateway - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
VLS 300 EVA Gateway - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
VLS 6000 Series - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
VLS 6000 Series - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
VLS 9000 Series - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
VLS 9000 Series - Fibre Channel (EOL)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
VLS 9200 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		6.1, 7.1	11.23, 11.31	11.31	10	10
VLS 12000 EVA Gateway - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
VLS 12000 EVA Gateway - Fibre Channel	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
VLS 12200 EVA Gateway - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		6.1, 7.1	11.23, 11.31	11.31	10	10

1. The IBM inquiry string is supported with StoreOnce software version 3.11 and later.

Hewlett Packard Enterprise - Family Membership

VTL Family - Interface	Members
D2D100 Series Backup System - iSCSI	D2D120 Backup System, D2D130 Backup System
D2D4000 Series Backup System - Fibre Channel	D2D4004fc Backup System, D2D4009fc Backup System
D2D4000 Series Backup System - iSCSI	D2D4004i Backup System, D2D4009i Backup System
D2D4100 G2 Series Backup System - Fibre Channel	D2D4106fc G2 Backup System, D2D4112 G2 Backup System
D2D4100 Series Backup System - Fibre Channel	D2D4112fc Backup System
D2D4300 G2 Series Backup System - Fibre Channel	D2D4312 G2 Backup System, D2D4324 G2 Backup System
StoreOnce 3500 - Fibre Channel	StoreOnce 3520, StoreOnce 3540
StoreOnce 4000 - Fibre Channel	StoreOnce 4210fc, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700
StoreOnce 5000 - Fibre Channel	StoreOnce 5100, StoreOnce 5500
StoreOnce 6000 - Fibre Channel	StoreOnce 6500, StoreOnce 6600, StoreOnce B6200
VLS 6000 Series - Fibre Channel	VLS6105, VLS6109, VLS6218, VLS6227, VLS6510, VLS6518, VLS6636, VLS6653, VLS6840, VLS6870
VLS 9000 Series - Fibre Channel	VLS 9000 Series

Hitachi

Hitachi - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
Hitachi Virtual Tape Library Solutions - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~V3584L32		Yes	Yes

Hitachi - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Hitachi Virtual Tape Library Solutions - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~V3584L32		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6, 7	10, 11, 12

Hitachi - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Hitachi Virtual Tape Library Solutions - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~V3584L32		5.3, 6.1	11.23, 11.31	11.31	10	10

Hitachi - Family Membership

VTL Family - Interface	Members
Hitachi Virtual Tape Library Solutions - Fibre Channel	ProtecTIER

Huawei

Huawei - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
VTL - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL		Yes	Yes

Huawei - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
VTL - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12

Huawei - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
VTL - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10

Huawei - Family Membership

VTL Family - Interface	Members
VTL - Fibre Channel	VTL3500, VTL6000

IBM

IBM - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
System Storage TS7600 series with ProtecTIER - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~V3584L32		Yes	Yes
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	DTC~~~~~VTF		Yes	Yes
System Storage TS7650G ProtecTIER (TS3500) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~3584L32		Yes	Yes
Virtualization Engine TS7510 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~TS7510		Yes	Yes
Virtualization Engine TS7510 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM~~~~~TS7510		Yes	Yes
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~TS7520	DirCpy_Ded	Yes	Yes
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM~~~~~TS7520	DirCpy_Ded	Yes	Yes
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM~~~~~TS7520	DirCpy_Ded	Yes	Yes
Virtualization Engine TS7530 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~TS7530	DirCpy_Ded	Yes	Yes
Virtualization Engine TS7530 - Fibre Channel	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM~~~~~TS7530	DirCpy_Ded	Yes	Yes
Virtualization Engine TS7530 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM~~~~~TS7530	DirCpy_Ded	Yes	Yes

1. NetBackup NDMP Direct Copy with VTL requires patch update ve138205g for 2.0 systems and update ve13821201 for 2.2 systems.
2. The failover feature of the TS7520 has been tested and found to be compatible with NetBackup. Support for the TS7520 failover feature is provided by IBM.

IBM - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
System Storage TS7600 series with ProtecTIER - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~V3584L32		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	DTC~~~~~VTF		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	10, 11, 12
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	DTC~~~~~VTF		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
System Storage TS7650G ProtecTIER (TS3500) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~3584L32		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
Virtualization Engine TS7510 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~TS7510		Enterprise Edition [1]	No	No	No	4, 5	10, 11
Virtualization Engine TS7510 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM~~~~~TS7510		Enterprise Edition [1]	No	No	No	4, 5	10, 11
Virtualization Engine TS7520 - Fibre Channel [2] [3]	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~TS7520	DirCpy_Ded	Enterprise Edition	No	No	No	4, 5	10, 11
Virtualization Engine TS7520 - Fibre Channel [2] [3]	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM~~~~~TS7520	DirCpy_Ded	Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11

IBM - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Virtualization Engine TS7520 - Fibre Channel [2] [3]	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM*****TS7520	DirCpy_Ded	Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11
Virtualization Engine TS7530 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM*****TS7530	DirCpy_Ded	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
Virtualization Engine TS7530 - Fibre Channel	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM*****TS7530	DirCpy_Ded	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	10, 11, 12
Virtualization Engine TS7530 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM*****TS7530	DirCpy_Ded	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	10, 11, 12

1. Fibre Channel resume logic is not supported on Windows.
2. NetBackup NDMP Direct Copy with VTL requires patch update ve138205g for 2.0 systems and update ve13821201 for 2.2 systems.
3. The failover feature of the TS7520 has been tested and found to be compatible with NetBackup. Support for the TS7520 failover feature is provided by IBM.

IBM - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
System Storage TS7600 series with ProtecTIER - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM*****V3584L32		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	DTC*****VTF		5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	DTC*****VTF		5.3, 6.1	11.23, 11.31	11.31	10	10

IBM - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
System Storage TS7650G ProtecTIER (TS3500) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM^3584L32		6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Virtualization Engine TS7510 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM^TS7510		5.3, 6.1	11.11, 11.23, 11.31	No	10	No
Virtualization Engine TS7510 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM^TS7510		5.3, 6.1	11.11, 11.23, 11.31	No	10	No
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	IBM^TS7520	DirCpy_Ded	5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM^TS7520	DirCpy_Ded	5.3, 6.1	11.23, 11.31	11.31	10	No
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM^TS7520	DirCpy_Ded	5.3, 6.1	11.23, 11.31	11.31	10	No
Virtualization Engine TS7530 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM^TS7530	DirCpy_Ded	5.3, 6.1	11.23, 11.31	11.31	10	No
Virtualization Engine TS7530 - Fibre Channel	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM^TS7530	DirCpy_Ded	5.3, 6.1	11.23, 11.31	11.31	10	No
Virtualization Engine TS7530 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM^TS7530	DirCpy_Ded	5.3, 6.1	11.23, 11.31	11.31	10	No

1. NetBackup NDMP Direct Copy with VTL requires patch update ve138205g for 2.0 systems and update ve13821201 for 2.2 systems.
2. The failover feature of the TS7520 has been tested and found to be compatible with NetBackup. Support for the TS7520 failover feature is provided by IBM.

IBM - Family Membership

VTL Family - Interface	Members
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)

KEL

KEL - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Red Hat Enterprise Linux on x86-64
EG-4500 open VTL - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL		Enterprise Edition	Enterprise Edition	4, 5

KEL - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	Solaris on SPARC
EG-4500 open VTL - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL		5.3, 6.1	11.23, 11.31	10

NEC

NEC - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
T3000VT Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~V3584L32		Yes	Yes

NEC - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
T3000VT Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~V3584L32		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6, 7	10, 11, 12
T5000VT Series - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	QUANTUM^DX100		Enterprise Edition	No	No	4, 5	10, 11

NEC - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
T3000VT Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~V3584L32		5.3, 6.1	11.23, 11.31	11.31	10	10
T5000VT Series - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	QUANTUM^DX100		5.3, 6.1	11.23	No	10	No

NEC - Family Membership

VTL Family - Interface	Members
T3000VT Series - Fibre Channel	T3200VT (V-TS3500)
T5000VT Series - Fibre Channel	T5100VT, T5150VT, T5200VT, T5250VT

NetApp

NetApp - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
NearStore Virtual Tape Library - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	NETAPP^VTL		Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6	10, 11
NearStore Virtual Tape Library - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	NETAPP^VTL		Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6	10, 11
NearStore Virtual Tape Library - Fibre Channel [1]	StorageTek T9940B	Latest from Manufacturer	NETAPP^VTL		Enterprise Edition	Enterprise Edition	No	No	No
NearStore Virtual Tape Library - Fibre Channel [1]	StorageTek T10000A	Latest from Manufacturer	NETAPP^VTL		Enterprise Edition	No	No	No	No

1. Veritas supports the NearStore VTL methodology for the creation of physical tape media, readable by NetBackup, whose barcode is synchronized with the virtual media on the NearStore VTL (Direct Tape Creation), as well as direct access to physical media behind the VTL system (pass through mode). This entire process retains full traceability of the media through the NetBackup catalog. Support for physical tape creation is provided by NetApp.

NetApp - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC
NearStore Virtual Tape Library - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	NETAPP^VTL		No	11.23, 11.31	11.31	10
NearStore Virtual Tape Library - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	NETAPP^VTL		5.3, 6.1	11.11, 11.23, 11.31	11.31	10
NearStore Virtual Tape Library - Fibre Channel [1]	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	NETAPP^VTL		No	No	11.31	10
NearStore Virtual Tape Library - Fibre Channel [1]	Quantum SDLT 320	Latest from Manufacturer	NETAPP^VTL		No	11.23, 11.31	No	10
NearStore Virtual Tape Library - Fibre Channel [1]	StorageTek T9940B	Latest from Manufacturer	NETAPP^VTL		No	11.23, 11.31	No	10
NearStore Virtual Tape Library - Fibre Channel [1]	StorageTek T10000A	Latest from Manufacturer	NETAPP^VTL		No	No	11.31	10

1. Veritas supports the NearStore VTL methodology for the creation of physical tape media, readable by NetBackup, whose barcode is synchronized with the virtual media on the NearStore VTL (Direct Tape Creation), as well as direct access to physical media behind the VTL system (pass through mode). This entire process retains full traceability of the media through the NetBackup catalog. Support for physical tape creation is provided by NetApp.

NetApp - Family Membership

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

Overland Storage

Overland Storage - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
REO Series 3.X - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	OVERLANDREO^Series		Enterprise Edition	4, 5	10, 11

1. All family members are capable of either iSCSI or FC connectivity, with the exception of the REO 1000; it is iSCSI only.

Overland Storage - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC
REO Series 3.X - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	OVERLANDREO^Series		11.11, 11.23, 11.31	11.31	10

1. All family members are capable of either iSCSI or FC connectivity, with the exception of the REO 1000; it is iSCSI only.

Overland Storage - Family Membership

VTL Family - Interface	Members
REO Series 3.X - Fibre Channel	REO 1000, REO 4000, REO 9000

Quantum

Quantum - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
DXi4700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi4700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi6700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi6700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi6800 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi6800 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi6900 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi6900 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi7500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi7500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi8500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes
DXi8500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Yes	Yes

Quantum - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DX100 - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	QUANTUM^DX100		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11

Quantum - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DX3000/DX5000 Series - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	QUANTUM^DX		Enterprise Edition	No	No	No	4, 5	10, 11
DXi3500/DXi5500 Dxi Series - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	QUANTUM^DXi		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11
DXi4700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi4700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi6700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
DXi6700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
DXi6800 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi6800 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi6900 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi6900 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi7500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12

Quantum - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi7500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
DXi8500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
DXi8500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12

Quantum - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DX100 - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	QUANTUM^DX100		5.3	11.11, 11.23, 11.31	No	10	No
DX3000/DX5000 Series - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	QUANTUM^DX		5.3, 6.1	11.11, 11.23, 11.31	No	10	No
DXi3500/DXi5500 Dxi Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi		No	11.31	11.31	No	No
DXi3500/DXi5500 Dxi Series - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	QUANTUM^DXi		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
DXi4700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	No	11.31	10, 11	10, 11
DXi4700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	No	11.31	10, 11	10, 11

Quantum - Support with UNIX

VTI Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DXi6700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
DXi6700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
DXi6800 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	No	11.31	10, 11	10, 11
DXi6800 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	No	11.31	10, 11	10, 11
DXi6900 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	No	11.31	10, 11	10, 11
DXi6900 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	No	11.31	10, 11	10, 11
DXi7500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10
DXi7500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10
DXi8500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
DXi8500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11

Quantum - Family Membership

VTL Family - Interface	Members
DX3000/DX5000 Series - Fibre Channel	DX3000, DX5000
DXi3500/DXi5500 Dxi Series - Fibre Channel	DXi3500, DXi5500
DXi4700 Series - Fibre Channel	DXi4701
DXi6700 Series - Fibre Channel	DXi6700, DXi6701, DXi6702
DXi6800 Series - Fibre Channel	DXi6802
DXi6900 Series - Fibre Channel	DXi6900, DXi6900-S
DXi7500 Series - Fibre Channel	DXi7500, DXi7500 Enterprise, DXi7500 Express, DXi7500-N
DXi8500 Series - Fibre Channel	DXi8500, DXi8500 2TB, DXi8500 3TB

SEPATON

SEPATON - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
S2100 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SEPATON^S2100		Yes	Yes
S2100 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	SEPATON^S2100		Yes	Yes
S2100 - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SEPATON^S2100		Yes	Yes
S2100 - Fibre Channel	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SEPATON^S2100		Yes	Yes

SEPATON - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
S2100 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SEPATON^S2100		No	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
S2100 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
S2100 - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	11
S2100 - Fibre Channel	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	11

SEPATON - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	Solaris on SPARC	Solaris on x86-64
S2100 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SEPATON^S2100		5.3, 6.1, 7.1	No	10, 11	No
S2100 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	SEPATON^S2100		5.3, 6.1, 7.1	11.11, 11.23, 11.31	10, 11	No
S2100 - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SEPATON^S2100		5.3, 6.1, 7.1	No	10	10
S2100 - Fibre Channel	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SEPATON^S2100		5.3, 6.1, 7.1	No	10	10

SEPATON - Family Membership

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

Spectra Logic

Spectra Logic - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
nTier VTL (RedHat 5.3 VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	Yes	Yes

Spectra Logic - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
nTier VTL (RedHat 5.3 VTL Server Platform) - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
nTier VTL (RedHat 5.3 VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
nTier VTL - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Ded	No	Enterprise Edition	No	No	4, 5	No

1. NDMP Direct Copy with Physical Drives Dedicated requires version 5.0 or later.

Spectra Logic - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
nTier VTL (RedHat 5.3 VTL Server Platform) - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10
nTier VTL (RedHat 5.3 VTL Server Platform) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10

StorageTek

StorageTek - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Virtual Tape Library - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL		Enterprise Edition	4, 5	10, 11

StorageTek - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	Solaris on SPARC
Virtual Tape Library - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL		5.3, 6.1	11.11, 11.23, 11.31	10

StorageTek - Family Membership

VTL Family - Interface	Members
Virtual Tape Library - Fibre Channel	VTL1280, VTL2280, VTL2380, VTL3280, VTL3380

Sun

Sun - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	IBM LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes

1. NDMP Direct Copy with Physical Drives Shared requires version 5.0 Update_2_1656 patch 07 or later.

Sun - Support with Windows / Linux

VTI Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	Enterprise Edition	No	No	No	No
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	Enterprise Edition	No	No	4, 5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	IBM LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11

Sun - Support with Windows / Linux

VTI Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~\VTL	DirCpy_Shr	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5	10, 11
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~\VTL		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~\VTL		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~\VTL		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~\VTL		Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5	10, 11

1. NDMP Direct Copy with Physical Drives Shared requires version 5.0 Update_2_1656 patch 07 or later.

Sun - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	IBM LTO - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3	No	No	No	No
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
StorageTek VTL Plus 1.0 - Fibre Channel (EOL)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3, 6.1	11.11, 11.23, 11.31	11.31	10	No
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~VTL	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	IBM LTO - all generations	Latest from Manufacturer	SUN~~~~VTL	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~VTL	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~VTL	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10
StorageTek VTL Plus 2.0 - Fibre Channel (EOL) [1]	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~VTL	DirCpy_Shr	5.3, 6.1	11.23, 11.31	11.31	10	10
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3, 6.1	11.23, 11.31	11.31	10	10
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3, 6.1	11.23, 11.31	11.31	10	10
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3, 6.1	11.23, 11.31	11.31	10	10
StorageTek VTL Prime 1.0 - Fibre Channel (EOL)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~VTL		5.3, 6.1	11.23, 11.31	11.31	10	10

1. NDMP Direct Copy with Physical Drives Shared requires version 5.0 Update_2_1656 patch 07 or later.

Sun - Family Membership

VTL Family - Interface	Members
StorageTek VTL Plus 1.0 - Fibre Channel	VTL1140, VTL2540, VTL3540
StorageTek VTL Plus 2.0 - Fibre Channel	VTL1200, VTL1202, VTL2600, VTL3600
StorageTek VTL Prime 1.0 - Fibre Channel	VTL4302R, VTL4305R, VTL4310R, VTL4320C, VTL4329C, VTL4365C

Tandberg

Tandberg - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DPS1000 Series VTL - iSCSI	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	TANDBERGDPS1000		Enterprise Edition	Enterprise Edition	4, 5	10, 11

Tandberg - Family Membership

VTL Family - Interface	Members
DPS1000 Series VTL - iSCSI	DPS1100 VTL, DPS1200 VTL

Tape Libraries

Tape library support information is listed below. This information is organized by vendor and provides information on the inquiry string (vendor ID + product ID), the method(s) of controlling the robot, and any other important notes about the hardware and its compatibility.

Contents

<u>Tape Libraries - Considerations</u>	<u>Tape Libraries - NetBackup Robot Types</u>	<u>Tape Libraries - Legend</u>
<u>Tape Libraries - Vendor Compatibility</u>		

Tape Libraries - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842></p> <ol style="list-style-type: none">1. The tables in this section show robotic support only, not tape drive support. Refer to the Tape Drives section of this document to ensure that the specific drive used in the library is supported on the desired OS platform(s). The library vendor must also support the library and drive combination.2. Firmware versions are no longer listed in this section. Veritas recommends using the most recent version of firmware available when you configure the library with NetBackup. When a minimum firmware version is required, it will be listed in the Notes column. If a firmware version is causing a problem, Veritas will work with the hardware vendor to resolve the problem. Veritas and most hardware vendors listed are members of TSANet.3. API robot types (ACS, TLH and TLM) are supported on NetBackup Enterprise Server, and not supported on NetBackup Server.4. For API robot types, the "Inquiry String" column is intentionally left blank.5. Where support is shown for "Red Hat Enterprise Linux" it also means that Asianux, CentOS, Oracle Linux, and Red Flag are supported.6. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.
Configuration considerations	<ol style="list-style-type: none">1. Library partitioning is supported unless noted otherwise.2. On IBM AIX, use of the IBM Atape driver is required with IBM tape libraries. The Atape driver's multi-path feature must be disabled.3. NetBackup has been supporting non-IBM tape libraries (robotics) with an IBM AIX robotic control host using the "ovpass" driver for many years. Changes and new functionality in AIX 6.1 and 7.1 have resulted in some issues with ovpass and an inability to support new functionality such as dynamic tracking and controlling SAS robots. Therefore, beginning with NetBackup 7.5, Veritas is no longer supporting the ovpass driver. Existing customers may continue to use ovpass as they are today, but if issues are encountered Veritas will not be able to resolve them. Veritas recommends using another OS platform as the robotic control host.
Operating system support added	<ol style="list-style-type: none">1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later.2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later.3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later.4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later.5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.

Subject	Notes
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

Tape Libraries - NetBackup Robot Types

These tables list operating system platform support for each NetBackup robotic daemon type. For supported OS versions, refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842>.

For more information on configuring each robot type, see the NetBackup Device Configuration Guide.

Tape Libraries - ACS Robot Type Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at http://www.veritas.com/docs/000040842.</p> <ol style="list-style-type: none"> 1. ACS robots are supported with NetBackup Enterprise Server only. ACS robots are not supported with NetBackup Server. 2. Where support is shown for "Red Hat Enterprise Linux" it also means that Asianux, CentOS, Oracle Linux, and Red Flag are supported. 3. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.
Vendor support considerations	<ol style="list-style-type: none"> 1. The ACSLS version must be currently supported by Oracle. 2. ACSLS 8.0, 8.1, 8.2, 8.3, and 8.4 are supported with NetBackup 7.0 GA and later. Earlier ACSLS versions are not supported. 3. The Logical Libraries feature introduced in ACSLS 8.0 is supported with libraries for which both ACS and TLD support is listed. 4. LibAttach is required with Windows media servers. The LibAttach version must be currently supported by Oracle. 5. LibAttach 1.4.2 and 1.4.3 are supported with NetBackup 7.0 GA and later. Earlier LibAttach versions are not supported.
Configuration considerations	<ol style="list-style-type: none"> 1. If a version of ACSLS contains a media type that is not yet supported by NetBackup, that media type can be configured as type UNKNOWN. NetBackup can support one and only one UNKNOWN media type. However, if errors or anomalies occur, upgrading NetBackup to a version where the media type is supported may be necessary. In general, Veritas testing occurs at the NetBackup version level where the new media type support is added, or at a level where known bugs are addressed.
Operating system support added	<ol style="list-style-type: none"> 1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.

Subject	Notes
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

ACS - Oracle Automated Cartridge System

Operating System	NetBackup Release Supported
AIX on POWER	7.0 GA
HP-UX on IA64	7.0 GA
HP-UX on PA-RISC	7.0 GA - Not supported as a media server with NetBackup 7.6.1 and later.
NDMP	7.0 GA
Red Hat Enterprise Linux on x86-64	7.0 GA
Red Hat Enterprise Linux on zArch	7.0 GA
Solaris on SPARC	7.0 GA [1]
Solaris on x64	7.0 GA [1]
SUSE Linux Enterprise Server on x86-64	7.0 GA
SUSE Linux Enterprise Server on zArch	7.0 GA
Windows Server 2003 32-bit OS	7.0 GA [2] - Not supported as a media server with NetBackup 7.6 and later.
Windows Server 2003 x64	7.0 GA [2]
Windows Server 2008 x64	7.0 GA [2]
Windows Server 2012 x64	7.6 GA [3]

1. Solaris 11 is supported with NetBackup 7.1 and later. For Solaris 11 support, ACS robotics require the "compatibility/ucb" package from Oracle.
2. Requires LibAttach 1.4.2 or 1.4.3 from Oracle.
3. Requires LibAttach 1.4.3 from Oracle.

ACSL5 Media Types	NetBackup Release Supported
3480	7.0 GA
3490E	7.0 GA
DD3A	7.0 GA
DD3B	7.0 GA
DD3C	7.0 GA
DD3D	7.0 GA
DLTIII	7.0 GA
DLTIIIXT	7.0 GA
DLTIV	7.0 GA
EECART	7.0 GA
JLABEL	7.0 GA
KLABEL	7.0 GA
LTO_1_5_T	7.0 GA
LTO_1_5_W	7.0 GA
LTO_2_5_T	7.6.0.2
LTO_2_5_W	7.6.0.2
LTO_10GB	7.0 GA
LTO_35GB	7.0 GA
LTO_50GB	7.0 GA
LTO_100G	7.0 GA
LTO_200G	7.0 GA
LTO_400G	7.0 GA
LTO_400W	7.0 GA
LTO_800G	7.0 GA
LTO_800W	7.0 GA
LTO_CLN1	7.0 GA
LTO_CLN2	7.0 GA
LTO_CLN3	7.0 GA

ACSL S Media Types	NetBackup Release Supported
LTO_CLNU	7.0 GA
SDLT	7.0 GA
SDLT_2	7.0 GA
SDLT_4	7.0 GA
SDLT_S1	7.0 GA
SDLT_S2	7.0 GA
SDLT_S3	7.0 GA
SDLT_S4	7.0 GA
STK1R	7.0 GA
STK1U	7.0 GA
STK1Y	7.0 GA
STK2P	7.0 GA
STK2W	7.0 GA
T10000CC	7.0 GA
T10000CL	7.6.0.2
T10000CT	7.0 GA
T10000T1	7.0 GA
T10000T2	7.0 GA
T10000TS	7.0 GA
T10000TT	7.0 GA
VIRTUAL	7.0 GA

TL4 - Tape Library 4mm

Operating System	NetBackup Release Supported
AIX on POWER	7.0 GA - Note: Beginning with NetBackup 7.5, Veritas is no longer supporting the ovpass driver. For more information, see the note at the beginning of this section.
HP-UX on IA64	7.0 GA
HP-UX on PA-RISC	7.0 GA - Not supported as a media server with NetBackup 7.6.1 and later.
NDMP	7.0 GA
Red Hat Enterprise Linux on x86-64	7.0 GA
Red Hat Enterprise Linux on zArch	7.0 GA
Solaris on SPARC	7.0 GA
Solaris on x64	7.0 GA
SUSE Linux Enterprise Server on x86-64	7.0 GA
SUSE Linux Enterprise Server on zArch	7.0 GA
Windows Server 2003 32-bit OS	7.0 GA - Not supported as a media server with NetBackup 7.6 and later.
Windows Server 2003 x64	7.0 GA
Windows Server 2008 x64	7.0 GA
Windows Server 2012 x64	7.6 GA

TL8 - Tape Library 8mm

Operating System	NetBackup Release Supported
AIX on POWER	7.0 GA - Note: Beginning with NetBackup 7.5, Veritas is no longer supporting the ovpass driver. For more information, see the note at the beginning of this section.
HP-UX on IA64	7.0 GA
HP-UX on PA-RISC	7.0 GA - Not supported as a media server with NetBackup 7.6.1 and later.
NDMP	7.0 GA
Red Hat Enterprise Linux on x86-64	7.0 GA

TL8 - Tape Library 8mm

Operating System	NetBackup Release Supported
Red Hat Enterprise Linux on zArch	7.0 GA
Solaris on SPARC	7.0 GA
Solaris on x64	7.0 GA
SUSE Linux Enterprise Server on x86-64	7.0 GA
SUSE Linux Enterprise Server on zArch	7.0 GA
Windows Server 2003 32-bit OS	7.0 GA - Not supported as a media server with NetBackup 7.6 and later.
Windows Server 2003 x64	7.0 GA
Windows Server 2008 x64	7.0 GA
Windows Server 2012 x64	7.6 GA

TLD - Tape Library DLT

Operating System	NetBackup Release Supported
AIX on POWER	7.0 GA - Note: Beginning with NetBackup 7.5, Veritas is no longer supporting the ovpass driver. For more information, see the note at the beginning of this section.
HP-UX on IA64	7.0 GA
HP-UX on PA-RISC	7.0 GA - Not supported as a media server with NetBackup 7.6.1 and later.
NDMP	7.0 GA
Red Hat Enterprise Linux on x86-64	7.0 GA
Red Hat Enterprise Linux on zArch	7.0 GA
Solaris on x64	7.0 GA
SUSE Linux Enterprise Server on x86-64	7.0 GA
SUSE Linux Enterprise Server on zArch	7.0 GA
Windows Server 2003 32-bit OS	7.0 GA - Not supported as a media server with NetBackup 7.6 and later.
Windows Server 2003 x64	7.0 GA

TLD - Tape Library DLT

Operating System	NetBackup Release Supported
Windows Server 2008 x64	7.0 GA
Windows Server 2012 x64	7.6 GA

Tape Libraries - TLH Robot Type Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842.></p> <ol style="list-style-type: none"> 1. TLH robots are supported with NetBackup Enterprise Server only. TLH robots are not supported with NetBackup Server. 2. Where support is shown for "Red Hat Enterprise Linux" it also means that Asianux, CentOS, Oracle Linux, and Red Flag are supported. 3. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.
Vendor support considerations	<ol style="list-style-type: none"> 1. TLH applies to the IBM 3494 and IBM VTS libraries only.
Operating system support added	<ol style="list-style-type: none"> 1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

TLH - IBM Automated Tape Library (ATL)

Operating System	Library Device Driver Version
AIX on POWER	6.8.5.0
HP-UX on IA64	6.8.3.0
HP-UX on PA-RISC	6.8.3.0 - Not supported as a media server with NetBackup 7.6.1 and later.
NDMP	Refer to the version listed in this table for the Media Server's OS.
Red Hat Enterprise Linux on x86-64	6.8.3.0
Red Hat Enterprise Linux on zArch	6.8.3.0
Solaris on SPARC	6.8.3.0
Solaris on x64	Not supported
SUSE Linux Enterprise Server on x86-64	6.8.3.0
SUSE Linux Enterprise Server on zArch	6.8.3.0
Windows Server 2003 32-bit OS	6.7.5.0 - Not supported as a media server with NetBackup 7.6 and later.
Windows Server 2003 x64	6.8.3.0
Windows Server 2008 x64	6.8.3.0
Windows Server 2008 R2 x64	Not supported
Windows Server 2012 x64	Not supported
Windows Server 2012 R2 x64	Not supported

TLH Media Type	NetBackup Release Supported
3480	7.0 GA
3490E	7.0 GA
3590J	7.0 GA
3590K	7.0 GA
3592JA	7.0 GA
3592JB	7.0 GA
3592JJ	7.0 GA

TLH Media Type	NetBackup Release Supported
3592JR	7.0 GA
3592JW	7.0 GA
3592JX	7.0 GA

Tape Libraries - TLM Robot Type Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842.></p> <ol style="list-style-type: none"> 1. TLM robots are supported with NetBackup Enterprise Server only. TLM robots are not supported with NetBackup Server. 2. The DAS/SDLC client library is provided in NetBackup beginning with 7.0 GA. Media servers running NetBackup 6.5 require the dynamic DAS/SDLC client library available from Quantum/ADIC. 2. Where support is shown for "Red Hat Enterprise Linux" it also means that Asianux, CentOS, Oracle Linux, and Red Flag are supported. 3. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.
Operating system support added	<ol style="list-style-type: none"> 1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

TLM - Quantum (ADIC) Tape Library Multimedia

Operating System	DAS/SDLC Client Version
AIX on POWER	3.12
HP-UX on IA64	3.12
HP-UX on PA-RISC	3.12 - Not supported as a media server with NetBackup 7.6.1 and later.
NDMP	Not supported
Red Hat Enterprise Linux on x86-64	3.12
Red Hat Enterprise Linux on zArch	3.12
Solaris on SPARC	3.12
Solaris on x64	Not supported
SUSE Linux Enterprise Server on x86-64	3.12
SUSE Linux Enterprise Server on zArch	3.12
Windows Server 2003 32-bit OS	3.12 - Not supported as a media server with NetBackup 7.6 and later.
Windows Server 2003 x64	3.12
Windows Server 2008 x64	3.12
Windows Server 2012 x64	Not supported

TLM Media Type	NetBackup Release Supported
3480	7.0 GA
OD_THICK	7.0 GA
DECDLT	7.0 GA
8MM	7.0 GA
4MM	7.0 GA
3590	7.0 GA
DTF	7.0 GA
SONY_AIT	7.0 GA
LTO	7.0 GA

Tape Libraries - Legend

The following table describes terms and symbols used in the Tape Libraries - Vendor Compatibility tables.

Tape Libraries - Legend

Value	Meaning
Multi LUN	The device is a Multi-LUN based library.
SCSI ID	The device is a SCSI ID based library.
^	Character used to denote a space in the INQUIRY STRING.

Tape Libraries - Vendor Compatibility

Contents

<u>ADIC</u>	<u>BDT</u>	<u>Certance</u>
<u>Compaq</u>	<u>Dell</u>	<u>Exabyte</u>
<u>Fujitsu</u>	<u>Gateway</u>	<u>Hewlett Packard Enterprise</u>
<u>Hitachi</u>	<u>IBM</u>	<u>NEC</u>
<u>Oracle</u>	<u>Overland Storage</u>	<u>Panasonic</u>
<u>Plasmon</u>	<u>Qualstar</u>	<u>Quantum</u>
<u>Sony</u>	<u>Spectra Logic</u>	<u>StorageTek</u>
<u>Sun</u>	<u>Tandberg</u>	

ADIC

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
AML/2 - SCSI			TLM	Support via ADIC Distributed AML Server (DAS) for drive types: 3590, DEC DLT, 8mm, 4mm, LTO. On HP800 OD_THICK also supported. For OD_Thick, GRAU AMU must be configured to automatically press the drive unload button on a dismount request. DAS client 3.10E. Robotic Control is not Supported with NetWare
AML/E - SCSI			TLM	Support via ADIC Distributed AML Server (DAS) for drive types: 3590, DEC DLT, 8mm, 4mm, LTO. On HP800 OD_THICK also supported. For OD_Thick, GRAU AMU must be configured to automatically press the drive unload button on a dismount request. DAS client 3.10E. Robotic Control is not Supported with NetWare
AML/J - SCSI			TLM	Support via ADIC Distributed AML Server (DAS) for drive types: 3590, DEC DLT, 8mm, 4mm, LTO. On HP800 OD_THICK also supported. For OD_Thick, GRAU AMU must be configured to automatically press the drive unload button on a dismount request. DAS client 3.10E. Robotic Control is not Supported with NetWare
AML/S - SCSI			TLM	Support via ADIC Distributed AML Server (DAS) for drive types: 3590, DEC DLT, 8mm, 4mm, LTO. On HP800 OD_THICK also supported. For OD_Thick, GRAU AMU must be configured to automatically press the drive unload button on a dismount request. DAS client 3.10E. Robotic Control is not Supported with NetWare
FastStor 2 - SCSI	ADIC^^^FastStor^2	SCSI ID	TLD	
FastStor 2 LTO3 - SCSI	ADIC^^^FastStor^2.1	Multi LUN	TLD	
FastStor 2 SDLT600 - SCSI	ADIC^^^FastStor^2.1	SCSI ID	TLD	
FastStor 7 - SCSI	ADIC^^^FastStor	SCSI ID	TLD	
FastStor 22 - SCSI	ADIC^^^FastStor	SCSI ID	TLD	
Scalar 10K - SCSI	ADIC^^^Scalar^10K	SCSI ID	TLM	FC supported through the use of an ADIC SNC 5100 firmware 4.45.18 SCSI to FC bridge. Mixed Media mode not supported.
Scalar 24 - Fibre Channel	ADIC^^^Scalar^24	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar 24 - SCSI	ADIC^^^Scalar^24	SCSI ID	TLD	
Scalar 100 - SCSI	ADIC^^^Scalar^100	SCSI ID	TL8, TLD	FC supported through the use of an ADIC SNC 5101 or 6101 firmware 4.60.04 SCSI to FC bridge.
Scalar 1000 - SCSI	ADIC^^^Scalar^1000	SCSI ID	TL8, TLD	FC supported through the use of an ADIC SNC 5100 firmware 4.45.16 SCSI to FC bridge. Mixed Media mode not supported.

ADIC

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
Scalar i500 - Fibre Channel(EOL)	ADIC^^^Scalar^i500	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i500 - SAS(EOL)	ADIC^^^Scalar^i500	Multi LUN	TLD	
Scalar i500 - SCSI(EOL)	ADIC^^^Scalar^i500	Multi LUN	TLD	
Scalar i2000 - Fibre Channel(EOL)	ADIC^^^Scalar^i2000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i2000 - SCSI(EOL)	ADIC^^^Scalar^i2000	SCSI ID	TLD	

BDT

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ThinStor - SCSI	BDT^^^ThinStor^AutoLdr	Multi LUN	TLD	

Certance

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
CLL 1600 - SCSI	SEAGATE^LTO^LDR^CLL1600	SCSI ID	TLD	
CLL 3200 - SCSI	CERTANCELTO2^LDRCLL3200^S	SCSI ID	TLD	
CLL 6400 (Certance) - SCSI	CERTANCELTO3^LDRCLL6400	SCSI ID	TLD	

Compaq

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ESL9198DLX - SCSI	COMPAQ^ESL9000	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
ESL9198SL - SCSI	COMPAQ^ESL9000	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
ESL9326D - SCSI	COMPAQ^ESL9000	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
ESL9326DX - SCSI	COMPAQ^ESL9000	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
ESL9326SL - SCSI	COMPAQ^ESL9000	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
ESL9595 - SCSI	COMPAQ^ESL9000	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
MSL5026DLX - SCSI	COMPAQ^MSL5000^Series	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
MSL5026SL - SCSI	COMPAQ^MSL5000^Series	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
MSL5052S2 - SCSI	COMPAQ^MSL5000^Series	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.
MSL5052SL - SCSI	COMPAQ^MSL5000^Series	SCSI ID	TLD	Please see the Hewlett Packard Enterprise section of this HCL for more current device information.

Dell

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
PowerVault 122T - SCSI	DELL^^^PV-122T	SCSI ID	TLD	
PowerVault 122T VS80 - SCSI	BNCHMARKVS640	Multi LUN	TLD	
PowerVault 124T - SCSI	DELL^^^PV-124T	Multi LUN	TLD	
PowerVault 132T - Fibre Channel	DELL^^^PV-132T	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
PowerVault 132T - SCSI	DELL^^^PV-132T	SCSI ID	TLD	
PowerVault 136T - Fibre Channel	DELL^^^PV-136T	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
PowerVault 136T - SCSI	DELL^^^PV-136T	SCSI ID	TLD	
PowerVault 160T - Fibre Channel	ADIC^^^Scalar^i2000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
PowerVault ML6000 Series - Fibre Channel	ADIC^^^Scalar^i500	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
PowerVault ML6000 Series - SAS	ADIC^^^Scalar^i500	Multi LUN	TLD	

Dell

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
PowerVault ML6000 Series - SCSI	ADIC^Scalar^i500	Multi LUN	TLD	
PowerVault TL1000 - SAS	IBM^3572-TL	Multi LUN	TLD	
PowerVault TL2000 - Fibre Channel	IBM^3573-TL	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
PowerVault TL2000 - SAS	IBM^3573-TL	Multi LUN	TLD	
PowerVault TL2000 - SCSI	IBM^3573-TL	Multi LUN	TLD	
PowerVault TL4000 - Fibre Channel	IBM^3573-TL	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
PowerVault TL4000 - SAS	IBM^3573-TL	Multi LUN	TLD	
PowerVault TL4000 - SCSI	IBM^3573-TL	Multi LUN	TLD	

Exabyte

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
110L LTO - SCSI	EXABYTE^Exabyte^110L	SCSI ID	TLD	
221L LTO - Fibre Channel	EXABYTE^Exabyte^221L	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
221L LTO - SCSI	EXABYTE^Exabyte^221L	SCSI ID	TLD	
Magnum 1x7 - SCSI	EXABYTE^LTO^1x7^2U	SCSI ID	TLD	
Magnum 8x143 (Magnum20) - SCSI	EXABYTE^Magnum20	SCSI ID	TLD	
Magnum 224 - Fibre Channel	EXABYTE^MAGNUM^224	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Magnum 224 - SCSI	EXABYTE^MAGNUM^224	Multi LUN	TLD	
Magnum 448 - Fibre Channel	EXABYTE^MAGNUM^448	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Magnum 448 - SCSI	EXABYTE^MAGNUM^448	Multi LUN	TLD	
PacketLoader 1x10 1U - SCSI	EXABYTE^VXA^1x10^1U	SCSI ID	TL8, TLD	

Fujitsu

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ETERNUS LT20 - Fibre Channel	FSC^FibreCAT^TX08	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT20 - SAS	FSC^FibreCAT^TX08	Multi LUN	TLD	
ETERNUS LT20 - SCSI	FSC^FibreCAT^TX08	Multi LUN	TLD	
ETERNUS LT20 S2 - Fibre Channel	FUJITSU^ETERNUS^LT^S2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT20 S2 - SAS	FUJITSU^ETERNUS^LT^S2	Multi LUN	TLD	
ETERNUS LT40 - Fibre Channel	FSC^FibreCAT-TX24^S2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT40 - SAS	FSC^FibreCAT-TX24^S2	Multi LUN	TLD	
ETERNUS LT40 - SCSI	FSC^FibreCAT-TX24^S2	Multi LUN	TLD	
ETERNUS LT40 S2 - Fibre Channel	FUJITSU^ETERNUS^LT^S2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT40 S2 - SAS	FUJITSU^ETERNUS^LT^S2	Multi LUN	TLD	
ETERNUS LT60 - Fibre Channel	FSC^FibreCAT-TX48^S2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT60 - SAS	FSC^FibreCAT-TX48^S2	Multi LUN	TLD	
ETERNUS LT60 - SCSI	FSC^FibreCAT-TX48^S2	Multi LUN	TLD	
ETERNUS LT60 S2 - Fibre Channel	FUJITSU^ETERNUS^LT^S2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT60 S2 - SAS	FUJITSU^ETERNUS^LT^S2	Multi LUN	TLD	
ETERNUS LT120 - SCSI		SCSI ID	TLD	
ETERNUS LT130 - SCSI	OVERLANDNEO^Series	SCSI ID	TLD	
ETERNUS LT160 - SCSI	FUJITSU^NML9A	SCSI ID	TLD	
ETERNUS LT210 (T16A) - SCSI	NEC^T16A	SCSI ID	TLD	
ETERNUS LT210 (T16A2) - SAS	NEC^T16A2	Multi LUN	TLD	
ETERNUS LT210 (T16A2) - SCSI	NEC^T16A2	Multi LUN	TLD	
ETERNUS LT220 (T16A) - SCSI	NEC^T16A	SCSI ID	TLD	
ETERNUS LT220 (T16A2) - SCSI	NEC^T16A2	Multi LUN	TLD	
ETERNUS LT230 (T40A) - SCSI	NEC^T40A	SCSI ID	TLD	
ETERNUS LT230 (T40A2) - Fibre Channel	NEC^T40A2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

Fujitsu

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ETERNUS LT230 (T40A2) - SCSI	NEC^T40A2	Multi LUN	TLD	
ETERNUS LT250 - Fibre Channel	FUJITSU^NML7A	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT250 - SCSI	FUJITSU^NML7A	SCSI ID	TLD	
ETERNUS LT260 - Fibre Channel	FUJITSU^ETERNUS^LT260	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT260 - SAS	FUJITSU^ETERNUS^LT260	Multi LUN	TLD	
ETERNUS LT270 - Fibre Channel	FUJITSU^NML10A	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT270 S2 - Fibre Channel	ETERNUS^LT270S2	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX08 - Fibre Channel	FSC^FibreCAT^TX08	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX08 - SAS	FSC^FibreCAT^TX08	Multi LUN	TLD	
FibreCAT TX08 - SCSI	FSC^FibreCAT^TX08	Multi LUN	TLD	
FibreCAT TX24 - Fibre Channel	FSC^FibreCAT^TX24	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX24 - SCSI	FSC^FibreCAT^TX24	Multi LUN	TLD	
FibreCAT TX24 S2 - Fibre Channel	FSC^FibreCAT-TX24^S2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX24 S2 - SAS	FSC^FibreCAT-TX24^S2	Multi LUN	TLD	
FibreCAT TX24 S2 - SCSI	FSC^FibreCAT-TX24^S2	Multi LUN	TLD	
FibreCAT TX48 - Fibre Channel	FSC^FibreCAT^TX48	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX48 - SCSI	FSC^FibreCAT^TX48	Multi LUN	TLD	
FibreCAT TX48 S2 - Fibre Channel	FSC^FibreCAT-TX48^S2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX48 S2 - SAS	FSC^FibreCAT-TX48^S2	Multi LUN	TLD	
FibreCAT TX48 S2 - SCSI	FSC^FibreCAT-TX48^S2	Multi LUN	TLD	
Scalar 100 - Fibre Channel	ADIC^Scalar^100	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar 100 - SCSI	ADIC^Scalar^100	SCSI ID	TLD	

Gateway

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
823 LTO-3 Autoloader - SCSI	CERTANCELTO3^LDRCLL6400	SCSI ID	TLD	
E-824R SuperLoader3 - SCSI	QUANTUM^UHDL	Multi LUN	TLD	
E-826R SuperLoader3 - SCSI	QUANTUM^UHDL	Multi LUN	TLD	

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
1/8 Autoloader (LUN based) - SCSI	HP^ThinStor^AutoLdr	Multi LUN	TLD	VS640 with VS80
1/8 Autoloader (SCSI ID based) - SCSI	HP^ThinStor^AutoLdr	SCSI ID	TLD	
1/8 G2 Tape Autoloader - Fibre Channel	HP^1x8^G2^AUTOLDR	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
1/8 G2 Tape Autoloader - SAS	HP^1x8^G2^AUTOLDR	Multi LUN	TLD	
1/8 G2 Tape Autoloader - SCSI	HP^1x8^G2^AUTOLDR	Multi LUN	TLD	
1/8 Tape Autoloader - SCSI	HP^1x8^autoloader	Multi LUN	TLD	
DAT 24x6e - SCSI	HP^C1557A	Multi LUN	TL4	
DAT 40x6e - SCSI	HP^C5713A	Multi LUN	TL4	
DAT 72x10 - SCSI	HP^DAT^Autoloader	Multi LUN	TL4	
EML E-Series - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 71e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
EML E-Series 103e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 245e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 348e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 375e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 442e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 469e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 505e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ESL 9000 Series - SCSI	HP^ESL9000^Series	SCSI ID	TLD	
ESL 9198 - SCSI	HP^ESL9000	SCSI ID	TLD	
ESL 9322 LTO2 - SCSI	HP^ESL9000	SCSI ID	TLD	
ESL 9322L1 - Fibre Channel	HP^ESL9000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FC 230.
ESL 9322L1 - SCSI	HP^ESL9000	SCSI ID	TLD	
ESL 9322S2 - SCSI	HP^ESL9000	SCSI ID	TLD	
ESL 9595 LTO2 - SCSI	HP^ESL9000	SCSI ID	TLD	
ESL 9595L1 - SCSI	HP^ESL9000	SCSI ID	TLD	
ESL 9595S2 - SCSI	HP^ESL9000	SCSI ID	TLD	

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ESL E-Series - Fibre Channel	HP^ESL^E-Series	SCSI ID	TLD	Please see Technical Solution Article This > < https://www.veritas.com/docs/000028666 . This > library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ESL E-Series 286e - SCSI	HP^ESL^E-Series	SCSI ID	TLD	
ESL E-Series 322e - Fibre Channel	HP^ESL^E-Series	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ESL E-Series 630e - SCSI	HP^ESL^E-Series^630e	SCSI ID	TLD	
ESL E-Series 712e - Fibre Channel	HP^ESL^E-Series	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ESL G3 - Fibre Channel	HP^ESL^G3^Series	Multi LUN	TLD	The Automated Media Pool (AMP), Control Path Failover and Data Path Failover features are supported. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL2024 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL2024 - SAS	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.
MSL2024 - SCSI	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.
MSL4048 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL4048 - SAS	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.
MSL4048 - SCSI	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.
MSL5026DLX - Fibre Channel	HP^MSL5000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
MSL5026DLX - SCSI	HP^MSL5000	SCSI ID	TLD	

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
MSL5026S2 - Fibre Channel	HP~~~~~MSL5000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
MSL5026S2 - SCSI	HP~~~~~MSL5000	SCSI ID	TLD	
MSL5026SL - Fibre Channel	HP~~~~~MSL5000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5026SL - SCSI	HP~~~~~MSL5000	SCSI ID	TLD	
MSL5030L1 - Fibre Channel	HP~~~~~MSL5000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5030L1 - SCSI	HP~~~~~MSL5000	SCSI ID	TLD	
MSL5052S2 - Fibre Channel	HP~~~~~MSL5000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5052S2 - SCSI	HP~~~~~MSL5000	SCSI ID	TLD	
MSL5052SL - Fibre Channel	HP~~~~~MSL5000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5052SL - SCSI	HP~~~~~MSL5000	SCSI ID	TLD	
MSL5060L1 - Fibre Channel	HP~~~~~MSL5000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5060L1 - SCSI	HP~~~~~MSL5000	SCSI ID	TLD	
MSL6000 Series - Fibre Channel	HP~~~~~MSL6000^Series	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL6000 Series - SCSI	HP~~~~~MSL6000^Series	SCSI ID	TLD	
MSL6030L2 - Fibre Channel	HP~~~~~MSL6000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL6030L2 - SCSI	HP~~~~~MSL6000	SCSI ID	TLD	
MSL6060L2 - Fibre Channel	HP~~~~~MSL6000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL6060L2 - SCSI	HP~~~~~MSL6000	SCSI ID	TLD	

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
MSL6480 - Fibre Channel	HP^MSL6480	Multi LUN	TLD	Barcode labels are strongly recommended. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL6480 - SAS	HP^MSL6480	Multi LUN	TLD	Barcode labels are strongly recommended.
MSL8048 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL8048 - SAS	HP^MSL^G3^Series	Multi LUN	TLD	
MSL8048 - SCSI	HP^MSL^G3^Series	Multi LUN	TLD	
MSL8096 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL8096 - SAS	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.
MSL8096 - SCSI	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.
SSL1016 - SCSI	HP^UHD	Multi LUN	TLD	
SSL1016L2 - Fibre Channel	HP^UHD	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
SSL1016L2 - SCSI	HP^UHD	SCSI ID	TLD	
SSL1016S2 - Fibre Channel	HP^UHD	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
SSL1016S2 - SCSI	HP^UHD	SCSI ID	TLD	

Hitachi

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
L18/500 - Fibre Channel	STK~~~~SL500	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L18/500 - SCSI	STK~~~~SL500	SCSI ID	TLD	
L20 - Fibre Channel	STK~~~~L20	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L40 - Fibre Channel	STK~~~~L40	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L40 - SCSI	STK~~~~L40	SCSI ID	TLD	
L80 - Fibre Channel	STK~~~~L80	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L80 - SCSI	STK~~~~L80	SCSI ID	TLD	

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
3607 1x16 - SCSI	IBM~~~~3607116	Multi LUN	TLD	
3623 Model 2LX - SCSI	IBM~~~~36232LX	Multi LUN	TLD	
3623 Model 2SX - SCSI	IBM~~~~36232SX	SCSI ID	TLD	
4560 SLX - Fibre Channel	IBM~~~~4560SLX	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
4560 SLX - SCSI	IBM~~~~4560SLX	SCSI ID	TLD	
33614LX - Fibre Channel	IBM~~~~33614LX	Multi LUN	TLD	Library partitioning is supported with firmware V26 (001A) or later. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
33614LX - SCSI	IBM~~~~33614LX	Multi LUN	TLD	Library partitioning is supported with firmware V26 (001A) or later.
33622LX - Fibre Channel	IBM~~~~33622LX	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
33622LX - SCSI	IBM~~~~33622LX	Multi LUN	TLD	
StorageSmart SL7 - SCSI	IBM~~~~ULT3581-TA	SCSI ID	TLD	
StorageSmart SL72 - SCSI			TLD	

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageSmart SL7500 - SCSI			TLD	
System Storage TS2900 (Machine Type 3572) - SAS	IBM~~~~3572-TL	Multi LUN	TLD	
System Storage TS3100 (Machine Type 3573) - Fibre Channel	IBM~~~~3573-TL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
System Storage TS3100 (Machine Type 3573) - SAS	IBM~~~~3573-TL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows.
System Storage TS3100 (Machine Type 3573) - SCSI	IBM~~~~3573-TL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows.
System Storage TS3200 (Machine Type 3573) - Fibre Channel	IBM~~~~3573-TL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
System Storage TS3200 (Machine Type 3573) - SAS	IBM~~~~3573-TL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows.
System Storage TS3200 (Machine Type 3573) - SCSI	IBM~~~~3573-TL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows.
System Storage TS3310 (Machine Type 3576) - Fibre Channel	IBM~~~~3576-MTL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
System Storage TS3310 (Machine Type 3576) - SAS	IBM~~~~3576-MTL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows.
System Storage TS3310 (Machine Type 3576) - SCSI	IBM~~~~3576-MTL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows.

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
System Storage TS3400 (Machine Type 3577) - Fibre Channel	IBM~~~~3577-TL	Multi LUN	TLD	IBM medium changer driver 6.1.4.8 and above is compatible on Windows. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
System Storage TS3500 (Machine Type 3584) - Fibre Channel	IBM~~~~03584	Multi LUN	TLD	IBM Advanced Library Management System (ALMS) is supported with the exception of ALMS drive sharing. Please see Technical Solution Article < http://www.veritas.com/docs/000031883 > for best practices when using ALMS with NetBackup. IBM medium changer driver 6.1.4.8 and above is compatible on Windows. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
System Storage TS3500 (Machine Type 3584) - SCSI	IBM~~~~03584	Multi LUN	TLD	All models supported. IBM Advanced Library Management System (ALMS) is supported with the exception of ALMS drive sharing. Please see Technical Solution Article < http://www.veritas.com/docs/000031883 > for best practices when using ALMS with NetBackup. IBM medium changer driver 6.1.4.8 and above is compatible on Windows.
System Storage TS4500 (Machine Type 3584) - Fibre Channel	IBM~~~~03584	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
TotalStorage 3494 - Ethernet			TLH	
TotalStorage 3581 - SCSI	IBM~~~~ULT3581-TA	SCSI ID	TLD	
TotalStorage 3581 2U Model F28 - Fibre Channel	IBM~~~~ULT3581-TA2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
TotalStorage 3581 2U Model F38 - Fibre Channel	IBM~~~~ULT3581-TA2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
TotalStorage 3581 2U Model L28 - SCSI	IBM~~~~ULT3581-TA2	Multi LUN	TLD	
TotalStorage 3582 - Fibre Channel	IBM~~~~ULT3582-TL	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
TotalStorage 3582 - SCSI	IBM~~~~~ULT3582-TL	Multi LUN	TLD	
TotalStorage 3583 (SCSI ID based) - SCSI	IBM~~~~~ULT3583-TL	SCSI ID	TLD	
TotalStorage 3583 - Fibre Channel	IBM~~~~~ULT3583-TL	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
TotalStorage 3583 - SCSI	IBM~~~~~ULT3583-TL	Multi LUN	TLD	

NEC

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
iStorage T40 - SCSI	STK~~~~~L40	SCSI ID	TLD	
iStorage T80 - SCSI	STK~~~~~L80	SCSI ID	TLD	
iStorage T180 - Fibre Channel	STK~~~~~L180	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
iStorage T700 - Fibre Channel	STK~~~~~L700	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
LL009F - SAS	NEC~~~~~LL009F	Multi LUN	TLD	Firmware version 0004 or later is required.
LL0101H - SCSI	NEC~~~~~LL0101H-0A	SCSI ID	TLD	
SL0101H - SCSI	NEC~~~~~SL0101H-0S	SCSI ID	TLD	
T16A - SCSI	NEC~~~~~T16A	SCSI ID	TLD	
T16A2 - SAS	NEC~~~~~T16A2	Multi LUN	TLD	
T16A2 - SCSI	NEC~~~~~T16A2	Multi LUN	TLD	
T30A - Fibre Channel	NEC~~~~~LL-2B01	Multi LUN	TLD	Firmware version 0003 or later is required. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
T30A - SAS	NEC~~~~~LL-2B01	Multi LUN	TLD	Firmware version 0003 or later is required.
T40A - Fibre Channel	NEC~~~~~T40A	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

NEC

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
T40A - SCSI	NEC^T40A	SCSI ID	TLD	
T40A2 - Fibre Channel	NEC^T40A2	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
T40A2 - SAS	NEC^T40A2	Multi LUN	TLD	
T40A2 - SCSI	NEC^T40A2	Multi LUN	TLD	
T60A - Fibre Channel	NEC^LL-2B01	Multi LUN	TLD	Firmware version 0003 or later is required. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
T60A - SAS	NEC^LL-2B01	Multi LUN	TLD	Firmware version 0003 or later is required.
T100A - Fibre Channel	FUJITSU^NML7A	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
T100A - SCSI	FUJITSU^NML7A	SCSI ID	TLD	
T100A2 - Fibre Channel	FUJITSU^NML7A	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
T700A - Fibre Channel	FUJITSU^NML10A	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
T700A2 - Fibre Channel	ETERNUS^LT270S2	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

Oracle

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageTek SL24 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL24 - SAS	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL24 - SCSI	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL48 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL48 - SAS	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL48 - SCSI	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL150 - Ethernet	STK^SL150	Multi LUN	ACS	
StorageTek SL150 - Fibre Channel	STK^SL150	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

Oracle

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageTek SL150 - SAS	STK^SL150	Multi LUN	TLD	
StorageTek SL500 - Fibre Channel	STK^SL500	SCSI ID	ACS, TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL500 - SAS	STK^SL500	Multi LUN	TLD	
StorageTek SL500 - SCSI	STK^SL500	SCSI ID	ACS, TLD	
StorageTek SL3000 - Ethernet	STK^ACSL^SCSI	SCSI ID	ACS	
StorageTek SL3000 - Fibre Channel	STK^SL3000	SCSI ID	ACS, TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL8500 - Ethernet	SUN^ACSL^SCSI	SCSI ID	ACS, TLD	
Sun STK SL3000 - Ethernet	SUN^ACSL^SCSI		ACS	

Overland Storage

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ARCvault series - Fibre Channel	OVERLANDARCvault	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
ARCvault series - SCSI	OVERLANDARCvault	Multi LUN	TLD	
NEO 100s 2nd Generation - SAS	IBM^3572-TL	Multi LUN	TLD	
NEO 200s - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 200s - SAS	HP^MSL^G3^Series	Multi LUN	TLD	
NEO 200s - SCSI	HP^MSL^G3^Series	Multi LUN	TLD	
NEO 200s 2nd Generation - Fibre Channel	IBM^3573-TL	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 200s 2nd Generation - SAS	IBM^3573-TL	Multi LUN	TLD	
NEO 400s - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 400s - SAS	HP^MSL^G3^Series	Multi LUN	TLD	

Overland Storage

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
NEO 400s - SCSI	HP^MSL^G3^Series	Multi LUN	TLD	
NEO 400s 2nd Generation - Fibre Channel	IBM^3573-TL	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 400s 2nd Generation - SAS	IBM^3573-TL	Multi LUN	TLD	
NEO 2000e - Fibre Channel	OVERLANDNEO^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 2000e - SAS	OVERLANDNEO^Series	Multi LUN	TLD	
NEO 4000e - Fibre Channel	OVERLANDNEO^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 4000e - SAS	OVERLANDNEO^Series	Multi LUN	TLD	
NEO 8000 - Fibre Channel	OVERLANDNEO^Series	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
NEO 8000 - SCSI	OVERLANDNEO^Series	SCSI ID	TLD	
NEO 8000e - Fibre Channel	OVERLANDNEO^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 8000e - SAS	OVERLANDNEO^Series	Multi LUN	TLD	
NEO series - Fibre Channel	OVERLANDNEO^Series	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO series - SCSI	OVERLANDNEO^Series	SCSI ID	TLD	
NEOs series 3rd Generation - Fibre Channel	BDT^FlexStor^II	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEOs series 3rd Generation - SAS	BDT^FlexStor^II	Multi LUN	TLD	
NEOxl series - Fibre Channel	BDT^MULTISTAK	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
NEOxl series - SAS	BDT^MULTISTAK	Multi LUN	TLD	

Panasonic

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
AJ-ZCM100 - SCSI	MATSHITAAJ-CM100	SCSI ID	TLD	

Plasmon

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
V10 - SCSI	PLASMON^FTA	SCSI ID	TLD	
V15 - SCSI	PLASMON^FTA	SCSI ID	TL8	
V21 - SCSI	PLASMON^FTA21	SCSI ID	TLD	
V30 - SCSI	PLASMON^FTA	SCSI ID	TL8	
V40 - SCSI	PLASMON^FTA60	SCSI ID	TLD	
V60 - SCSI	PLASMON^FTA60	SCSI ID	TLD	
V68 - SCSI	PLASMON^FTA60	SCSI ID	TLD	
V102 - SCSI	PLASMON^FTA102	SCSI ID	TLD	Single media access port not supported.

Qualstar

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
Q24 - Fibre Channel	BDT^FlexStor^II	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Q24 - SAS	BDT^FlexStor^II	Multi LUN	TLD	
RLS-4000 AIT series - Fibre Channel	QUALSTARRLS-4	SCSI ID	TL8	Using FCO (Fibre Channel Option) card.
RLS-4000 AIT series - SCSI	QUALSTARRLS-4	SCSI ID	TL8	

Qualstar

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
RLS-5000 SAIT series - Fibre Channel	QUALSTARRLS-5	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
RLS-6000 (S)DLT series - Fibre Channel	QUALSTARRLS-6	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
RLS-8000 LTO series - SCSI	QUALSTARRLS-8	SCSI ID	TLD	
RLS-8000D LTO series - Fibre Channel	QUALSTARRLS-8	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
RLS-8350 - Fibre Channel	QUALSTARRLS-85	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
RLS-8350 - SAS	QUALSTARRLS-85	Multi LUN	TLD	
RLS-8500 LTO series - Fibre Channel	QUALSTARRLS-85	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
RLS-8500 LTO series - SAS	QUALSTARRLS-85	Multi LUN	TLD	
RLS-85120 - Fibre Channel	QUALSTARRLS-85	Multi LUN		
TLS-4000 AIT series - Fibre Channel	QUALSTARTLS-4	SCSI ID	TL8	Using FCO (Fibre Channel Option) card.
TLS-4000 AIT series - SCSI	QUALSTARTLS-4	SCSI ID	TL8	
TLS-5000 SAIT series - Fibre Channel	QUALSTARTLS-5	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
TLS-5000 SAIT series - SCSI	QUALSTARTLS-5	SCSI ID	TLD	
TLS-5433 - Fibre Channel	QUALSTARTLS-5	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

Qualstar

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
TLS-6000 DLT series - Fibre Channel	QUALSTARTLS-6	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
TLS-6000 DLT series - SCSI	QUALSTARTLS-6	SCSI ID	TLD	
TLS-6220 - SCSI	QUALSTARTLS-6	SCSI ID	TLD	
TLS-8000 LTO series - Fibre Channel	QUALSTARTLS-8	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
TLS-8000 LTO series - SCSI	QUALSTARTLS-8	SCSI ID	TLD	
TLS-412360 - Fibre Channel	QUALSTARTLS-4	SCSI ID	TL8	
XLS-8000 - Fibre Channel	QUALSTARXLS-8000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
XLS-8000 - SCSI	QUALSTARXLS-8000	SCSI ID	TLD	
XLS series - Fibre Channel	QUALSTARXLS-8000	SCSI ID	TLD	All models in the XLS series are supported (XLS-810160, XLS-810240, XLS-812300, XLS-820500, XLS-832700, XLS-8161100). QUALSTARXLS-8000 and QUALSTARXLS-8100 inquiry strings are supported with the XLS series. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

Quantum

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
M1500 - Fibre Channel	ATL^M1500	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
M1500 - SCSI	ATL^M1500	SCSI ID	TLD	
M1800 - Fibre Channel	ATL^M1500	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FC 310.
M1800 - SCSI	ATL^M1500	SCSI ID	TLD	
M2500 - Fibre Channel	ATL^M2500	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
M2500 - SCSI	ATL^M2500	SCSI ID	TLD	
P4000 - Fibre Channel	ATL^P4000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
P4000 - SCSI	ATL^P4000	SCSI ID	TLD	
P6000 - Fibre Channel	ATL^P3000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
P6000 - SCSI	ATL^P3000	SCSI ID	TLD	
P7000 - Fibre Channel	ATL^P7000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
P7000 - SCSI	ATL^P7000	SCSI ID	TLD	
PX500 Series - Fibre Channel(EOL)	QUANTUM^PX500	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
PX500 Series - SCSI(EOL)	QUANTUM^PX500	SCSI ID	TLD	
PX720 - Fibre Channel	QUANTUM^PX720	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FC 470.
PX720 - SCSI	QUANTUM^PX720	SCSI ID	TLD	
Scalar 50 (SCALAR50) - Fibre Channel	QUANTUM^SCALAR50	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar 50 (SCALAR50) - SAS	QUANTUM^SCALAR50	Multi LUN	TLD	
Scalar 50 (SCALAR50) - SCSI	QUANTUM^SCALAR50	SCSI ID	TLD	

Quantum

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
Scalar i3 - Fibre Channel	QUANTUM^Scalar^i3-i6	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i6 - Fibre Channel	QUANTUM^Scalar^i3-i6	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i6 - SAS	QUANTUM^Scalar^i3-i6	Multi LUN	TLD	
Scalar i40 - Fibre Channel	QUANTUM^Scalar^i40-i80	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i40 - SAS	QUANTUM^Scalar^i40-i80	Multi LUN	TLD	
Scalar i80 - Fibre Channel	QUANTUM^Scalar^i40-i80	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i80 - SAS	QUANTUM^Scalar^i40-i80	Multi LUN	TLD	
Scalar i500 - Fibre Channel	Quantum^Scalar^i500	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i500 - SCSI	Quantum^Scalar^i500	Multi LUN	TLD	
Scalar i2000 - Fibre Channel	Quantum^Scalar^i2000	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i2000 - SCSI	Quantum^Scalar^i2000	SCSI ID	TLD	
Scalar i6000 - Fibre Channel	Quantum^Scalar^i6000	Multi LUN	TLD	Advanced Path Failover drivers for Red Hat Enterprise Linux 6 and Windows 2008 are supported. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
SuperLoader - SCSI	QUANTUM^UHDL	Multi LUN	TLD	
SuperLoader 3 - Fibre Channel	QUANTUM^UHDL	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
SuperLoader 3 - SAS	QUANTUM^UHDL	Multi LUN	TLD	
SuperLoader 3 - SCSI	QUANTUM^UHDL	Multi LUN	TLD	
ValueLoader LTO - SCSI	QUANTUM^ValueLoader	SCSI ID	TLD	
ValueLoader LTO2 - SCSI	QUANTUM^ValueLoader	SCSI ID	TLD	

Quantum

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ValueLoader SDLT320 - SCSI	QUANTUM^ValueLoader	SCSI ID	TLD	

Sony

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
CSM20 - SCSI	SONY^CSM-20	SCSI ID	TLD	
CSM60 PetaSite - Fibre Channel	SONY^CSM-60	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
CSM100 PetaSite - Fibre Channel	SONY^CSM-100	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
CSM200 PetaSite - Fibre Channel	SONY^CSM-200	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
CSM200B PetaSite - SCSI	SONY^CSM-200	SCSI ID	TLD	
LIB-81 - SCSI	SONY^LIB-81	SCSI ID	TL8	
LIB-152 - SCSI	SPECTRA^215	SCSI ID	TL8	
LIB-152E - SCSI	SPECTRA^215	SCSI ID	TL8	
LIB-162 - SCSI	SONY^LIB-162	SCSI ID	TL8	
LIB-302 (SPECTRA) - SCSI	SPECTRA^215	SCSI ID	TL8	
LIB-304 - SCSI	SONY^LIB-304	SCSI ID	TL8	

Spectra Logic

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
Spectra 2K - Fibre Channel	SPECTRA^215	SCSI ID	TL8	
Spectra 2K - SCSI	SPECTRA^215	SCSI ID	TL8	
Spectra 9K - SCSI	SPECTRA^9000	SCSI ID	TL8	
Spectra 10K - Fibre Channel	SPECTRA^10000	SCSI ID	TL8	
Spectra 10K - SCSI	SPECTRA^10000	SCSI ID	TL8	
Spectra 12K - Fibre Channel	SPECTRA^GATOR^12000	SCSI ID	TL8	
Spectra 12K - SCSI	SPECTRA^GATOR^12000	SCSI ID	TL8	
Spectra 20K - SCSI	SPECTRA^GATOR^20000	SCSI ID	TL8	
Spectra 64K - Fibre Channel	SPECTRA^GATOR	SCSI ID	TL8	Using Gator F-QIP.
Spectra 64K - SCSI	SPECTRA^GATOR	SCSI ID	TL8	
Spectra T-Finity - Fibre Channel	SPECTRA^PYTHON	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T24 - SCSI	SPECTRA^GECKO	Multi LUN	TLD	
Spectra T50 - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T50 - SCSI	SPECTRA^PYTHON	Multi LUN	TLD	
Spectra T50e - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T50e - SAS	SPECTRA^PYTHON	Multi LUN	TLD	
Spectra T120 - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T120 - iSCSI	SPECTRA^PYTHON	Multi LUN	TLD	
Spectra T120 - SAS	SPECTRA^PYTHON	Multi LUN	TLD	
Spectra T120 - SCSI	SPECTRA^PYTHON	Multi LUN	TLD	
Spectra T200 - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T380 - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T680 - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T950 - Fibre Channel	SPECTRA^PYTHON	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T950 - SCSI	SPECTRA^PYTHON	SCSI ID	TLD	

StorageTek

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
9310 - SCSI			ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.
9360/4410 - SCSI			ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.
L20 - Fibre Channel	STK^L20	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L20 - SCSI	STK^L20	SCSI ID	TLD	
L40 - Fibre Channel	STK^L40	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L40 - SCSI	STK^L40	SCSI ID	TLD	
L80 - Fibre Channel	STK^L80	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L80 - SCSI	STK^L80	SCSI ID	TLD	
L180 - Fibre Channel	STK^L180	SCSI ID	ACS, TLD	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L180 - SCSI	STK^L180	SCSI ID	ACS, TLD	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.
L700 - Fibre Channel	STK^L700	SCSI ID	ACS, TLD	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L700 - SCSI	STK^L700	SCSI ID	ACS, TLD	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.
L700e - Fibre Channel	STK^L700	SCSI ID	ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL. This library is supported with NetBackup 5200 Series and 5300 Series Appliances. TLD robot control only supports a single frame.
L700e - SCSI	STK^L700	SCSI ID	ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL. TLD robot control only supports a single frame.

StorageTek

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
L1400 - Fibre Channel	STK^L700e	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
L5500 - SCSI			ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.
SL500 - Fibre Channel	STK^SL500	SCSI ID	ACS, TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
SL500 - SCSI	STK^SL500	SCSI ID	TLD	
SL8500 - Ethernet	SUN^ACSL-SCSI		ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.

 To determine support for OEM tape drives in Sun/StorageTek libraries, refer to the manufacturer's listings in the Tape Drives section of this document.

Sun/StorageTek Notice

On August 31st, 2005, Sun Microsystems acquired Storage Technology Corporation (StorageTek). Any products that were sold by Sun, or introduced by Sun post-merger, have been copied to the Sun section of the HCL. All currently listed StorageTek products will remain in the StorageTek section of the HCL. (This list will be static until each product reaches EOSL.) Going forward, any new products will be listed in the Sun section only.

Sun

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageTek L180 - Fibre Channel(EOL)	STK^L180	SCSI ID	ACS, TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek L180 - SCSI(EOL)	STK^L180	SCSI ID	ACS, TLD	
StorageTek L700 - Fibre Channel(EOL)	STK^L700	SCSI ID	ACS, TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

Sun

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageTek L700 - SCSI(EOL)	STK^L700	SCSI ID	ACS, TLD	
StorageTek L700e - Fibre Channel(EOL)	STK^L700	SCSI ID	ACS	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek L700e - SCSI(EOL)	STK^L700	SCSI ID	ACS	
StorageTek L1400 - Fibre Channel(EOL)	STK^L700e	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL24 - Fibre Channel(EOL)	HP^MSL^G3^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL24 - SAS(EOL)	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL24 - SCSI(EOL)	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL48 - Fibre Channel(EOL)	HP^MSL^G3^Series	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL48 - SAS(EOL)	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL48 - SCSI(EOL)	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL500 - Fibre Channel(EOL)	STK^SL500	SCSI ID	ACS, TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL500 - SCSI(EOL)	STK^SL500	SCSI ID	ACS, TLD	
StorageTek SL3000 - Ethernet(EOL)	STK^SL3000	SCSI ID	ACS	Library partitioning with Dedicated CAP is supported. Sun StorageTek ACSLS 7.3 or later is required. Sun StorageTek ACSLS 8.0 or later is required for AEM support.

Sun

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageTek SL3000 - Fibre Channel(EOL)	STK^SL3000	SCSI ID	TLD	AEM is supported. Library partitioning with Dedicated CAP is supported. This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL8500 - Ethernet(EOL)	SUN^ACSL-SCSI		ACS, TLD	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.
StorEdge C2 - SCSI(EOL)	QUANTUM^UHD	Multi LUN	TLD	
StorEdge C4 - Fibre Channel(EOL)	QUANTUM^PX500	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorEdge C4 - SCSI(EOL)	QUANTUM^PX500	SCSI ID	TLD	
StorEdge C10 - SCSI(EOL)	QUANTUM^PX500	SCSI ID	TLD	
StorEdge L7 - SCSI	ADIC^FastStor	SCSI ID	TLD	
StorEdge L8 - SCSI	ADIC^FastStor	SCSI ID	TLD	
StorEdge L25 - SCSI	ATL^M1500	SCSI ID	TLD	
StorEdge L100 - SCSI	ATL^M2500	SCSI ID	TLD	
StorEdge L180 - SCSI(EOL)	STK^L180	SCSI ID	TLD	
StorEdge L500 - Fibre Channel	STK^SL500	SCSI ID	ACS, TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorEdge L500 - SCSI(EOL)	STK^SL500	SCSI ID	TLD	
StorEdge L700 - SCSI(EOL)	STK^L700	SCSI ID	TLD	
StorEdge L5500 - SCSI(EOL)			ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.
StorEdge L6000 - SCSI(EOL)			ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.

Sun

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorEdge L8500 - Ethernet(EOL)			ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.

To determine support for OEM tape drives in Sun/StorageTek libraries, refer to the manufacturer's listings in the Tape Drives section of this document.

Sun/StorageTek Notice

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Tandberg

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
M1500 - Fibre Channel	ATL^M1500	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FC 310.
M1500 - SCSI	ATL^M1500	SCSI ID	TLD	
M2500 - Fibre Channel	ATL^M2500	SCSI ID	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances. Using FC 420.
M2500 - SCSI	ATL^M2500	SCSI ID	TLD	
S24 - SCSI	ADIC^Scalar^24	Multi LUN	TLD	
SL0101H - SCSI	NEC^SL0101H-0S	SCSI ID	TLD	
StorageLibrary T24 - Fibre Channel	EXABYTE^MAGNUM^224	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.

Tandberg

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageLibrary T24 - SAS	EXABYTE^MAGNUM^224	Multi LUN	TLD	
StorageLibrary T24 - SCSI	EXABYTE^MAGNUM^224	Multi LUN	TLD	
StorageLibrary T40 - Fibre Channel	TANDBERGStorageLoader	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLibrary T40 - SAS	TANDBERGStorageLoader	Multi LUN	TLD	
StorageLibrary T40 - SCSI	TANDBERGStorageLoader	Multi LUN	TLD	
StorageLibrary T40+ - Fibre Channel	TANDBERGStorageLoader	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLibrary T40+ - SAS	TANDBERGStorageLoader	Multi LUN	TLD	
StorageLibrary T48 - Fibre Channel	EXABYTE^MAGNUM^448	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLibrary T48 - SAS	EXABYTE^MAGNUM^448	Multi LUN	TLD	
StorageLibrary T48 - SCSI	EXABYTE^MAGNUM^448	Multi LUN	TLD	
StorageLibrary T80+ - Fibre Channel	TANDBERGStorageLoader	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLibrary T80+ - SAS	TANDBERGStorageLoader	Multi LUN	TLD	
StorageLibrary T120+ - Fibre Channel	TANDBERGStorageLoader	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLibrary T120+ - SAS	TANDBERGStorageLoader	Multi LUN	TLD	
StorageLibrary T160+ - Fibre Channel	TANDBERGStorageLoader	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLibrary T160+ - SAS	TANDBERGStorageLoader	Multi LUN	TLD	
StorageLoader 2U LTO - Fibre Channel	EXABYTE^MAGNUM^224	Multi LUN	TLD	This library is supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLoader 2U LTO - SCSI	EXABYTE^MAGNUM^224	Multi LUN	TLD	
StorageLoader LTO - SAS	TANDBERGStorageLoader	Multi LUN	TLD	
SuperLoader DLT 1280L - SCSI	QUANTUM^UHD	Multi LUN	TLD	
SuperLoader SDDL 3520L - SCSI	QUANTUM^UHD	Multi LUN	TLD	

Tandberg

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
SuperLoader SDLT 5120L - SCSI	QUANTUM^UHDL	Multi LUN	TLD	

Tape Drives

Tape drive support information is listed below, organized by vendor. Under each vendor there are separate tables showing compatibility with NetBackup Appliances, with Linux/Windows operating systems and with UNIX operating systems. These tables provide information on the operating system versions supported by the drive, inquiry string (vendor ID + product ID), and other important notes about the hardware and its compatibility.

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[Tape Drives - Attributes](#)

[Tape Drives - Vendor Compatibility](#)

Tape Drives - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842.></p> <ol style="list-style-type: none">1. To ensure support, a device (both drive and library where applicable) must be supported by Veritas, the device manufacturer, and the operating system vendor.2. Firmware versions are no longer listed in this section. Veritas recommends using the most recent version of firmware available when you configure the drive with NetBackup. When a minimum firmware version is required, it will be listed in the footnotes. If a firmware version is causing a problem, Veritas will work with the hardware vendor to resolve the problem. Veritas and most hardware vendors listed are members of TSANet.3. Where support is shown for "Windows Server 2003 Enterprise Edition" it also means that the other editions of Windows Server 2003, Windows Server 2003 R2, and Windows Storage Server 2003 are supported.4. Where support is shown for "Windows Server 2008 Enterprise Edition" it also means that the other editions of Windows Server 2008 and Windows Server 2008 R2 are supported. Only the x64 (64-bit) editions of the OS are supported as a NetBackup Media Server. Server Core Installation Option is not supported as a NetBackup Media Server.5. Where support is shown for "Windows Server 2012 Datacenter" it also means that the other editions of Windows Server 2012, Windows Storage Server 2012, Windows Server 2012 R2, and Windows Storage Server 2012 R2 are supported.6. Where support is shown for "Red Hat Enterprise Linux 4 on x86-64" it also means that Asianux 2, Oracle Linux 4, and Red Flag 5 are supported.7. Where support is shown for "Red Hat Enterprise Linux 5 on x86-64" it also means that Asianux 3, CentOS 5, and Oracle Linux 5 are supported.8. Where support is shown for "Red Hat Enterprise Linux 6 on x86-64" it also means that CentOS 6 and Oracle Linux 6 are supported.9. Where support is shown for "Red Hat Enterprise Linux 7 on x86-64" it also means that CentOS 7 is also supported.10. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.11. The "ULTRIUM-TD" and the "ULT3580-TD" inquiry strings are interchangeable (both are supported), unless noted otherwise. The "ULTRIUM-HH" and the "ULT3580-HH" inquiry strings are interchangeable (both are supported), unless noted otherwise.
Vendor support considerations	<ol style="list-style-type: none">1. The list of attributes for each tape drive is based on the most recent drive testing. Check with the device manufacturer to determine the firmware version at which support for a specific attribute was added.

Subject	Notes
Configuration considerations	<ol style="list-style-type: none"> 1. Veritas recommends the use of SCSI Persistent Reserve (SPR) whenever all the hardware in your device path supports it. Refer to the NetBackup Administrator's Guide for more information on SPR and the types of configurations where SPR may be more effective than the default SPC-2 SCSI reserve and release method. 2. Only tape drives listed in the tables below are supported. Other tape drive models are not supported even if the Virtual Tape Library section shows an emulated version of the drive is supported with NetBackup. 3. For Solaris 10, Veritas recommends running Update 6 (137137-09 for SPARC, 137138-09 for x64) or later.
OS tape driver considerations	<ol style="list-style-type: none"> 1. Except where noted, Veritas recommends the use of the operating system's native tape drivers. 2. For 32-bit Windows systems, Veritas tests and recommends the use of the Veritas tape drivers with tape drives released prior to 2007. For newer drives, use the manufacturer's 32-bit tape driver. The latest release of the Veritas Tape Device Driver Installer can be downloaded from the Veritas support site. Veritas does not extensively test with the manufacturers' 32-bit tape drivers, however, they are supported, and Veritas will work with customers and vendors in an attempt to resolve any issues. Veritas and most hardware vendors listed are members of TSANet. 3. For 64-bit Windows systems, the manufacturer's most recent tape driver should be used. The Veritas tape drivers are not compatible with 64-bit Windows systems.
Operational considerations	<ol style="list-style-type: none"> 1. Tape Alert functionality is supported by all drives, unless noted otherwise.
Operating system support added	<ol style="list-style-type: none"> 1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

Tape Drives - Attributes

The following table lists attributes supported with Tape Drives and indicates the NetBackup 7.0 - 7.6.x version at which that attribute was first supported.

Attribute	Abbreviation	NetBackup Release Supported
SCSI Reservation	SResv	7.0 GA
SCSI Persistent Reservation	SPR	7.0 GA
Write Once, Read Many	WORM	7.0 GA
NetBackup Encryption Key Management Service	KMS	7.0 GA
Append-only mode	Append	7.0 GA

Tape Drives - Vendor Compatibility

Contents

<u>Certance</u>	<u>Compaq</u>	<u>Dell</u>
<u>Exabyte</u>	<u>Hewlett Packard Enterprise</u>	<u>IBM</u>
<u>Oracle</u>	<u>Quantum</u>	<u>Sony</u>
<u>StorageTek</u>	<u>Sun</u>	<u>Tandberg</u>

Certance

Certance - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
CL 400 LTO Ultrium 2 - SCSI	CERTANCEULTRIUM^2		Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
CL 400H LTO Ultrium 2 - SCSI	CERTANCEULTRIUM^2		Enterprise Edition	Enterprise Edition	4, 5, 6	No
CL 800 LTO Ultrium 3 - SCSI	CERTANCEULTRIUM^3		Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11

Certance - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
CL 400 LTO Ultrium 2 - SCSI	CERTANCEULTRIUM^2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
CL 400H LTO Ultrium 2 - SCSI	CERTANCEULTRIUM^2		No	No	No	10	10
CL 800 LTO Ultrium 3 - SCSI	CERTANCEULTRIUM^3		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10

Compaq

Compaq - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
SDLT 320 - SCSI	COMPAQ^MSDLT320		Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11

Compaq - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC
SDLT 320 - SCSI	COMPAQ^MSDLT320		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10 [1]

1. The NetBackup Backup Exec Tape Reader is not supported with this drive type on Solaris and there are no plans to support it.

Dell

Dell - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
PowerVault 132T LTO3 - Fibre Channel [1]	IBM~~~~~ULTRIUM-TD3	SResv, SPR, WORM	Yes	Yes
PowerVault LTO-6 - Fibre Channel	IBM~~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	Yes	Yes
PowerVault LTO5-140 FH - Fibre Channel [2]	IBM~~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	Yes	Yes

1. For information on tape drivers for this device, refer to the "IBM Tape Driver Support" note that follows the IBM listings in the Tape Drives section of this document.
2. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.

Dell - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
PowerVault 110T LTO (Gen1 HP) - SCSI	HP~~~~~Ultrium^1-SCSI		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 110T LTO2 (Gen2 IBM) - SCSI [1]	IBM~~~~~ULTRIUM-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 110T SDLT320 - SCSI	QUANTUM^SDLT320		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 110T VS160 - SCSI	QUANTUM^DLT^VS160		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 112T DDS4 - SCSI	SEAGATE^DAT		No	No	No	No	5	No

Dell - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
PowerVault 122T LTO - SCSI	HP^ULTRIUM^1-SCSI		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 122T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 122T VS160 - SCSI	QUANTUM^DLT^VS160		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 132T LTO - SCSI	IBM^ULTRIUM-TD1		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 132T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 132T LTO3 - Fibre Channel [1]	IBM^ULTRIUM-TD3		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 132T LTO3 - SCSI [1]	IBM^ULTRIUM-TD3		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 132T SDLT320 - SCSI	QUANTUM^SDLT320		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 136T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 136T LTO3 - SCSI [1]	IBM^ULTRIUM-TD3		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 136T SDLT320 - SCSI	QUANTUM^SDLT320		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault 160T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
PowerVault LTO-6 - Fibre Channel	IBM^ULTRIUM-TD6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
PowerVault LTO-6 - SAS	IBM^ULTRIUM-HH6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

Dell - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
PowerVault LTO-7 - SAS	IBM~~~~~ULTRIUM-HH7	KMS, WORM	No	No	No	Datacenter	6, 7	11, 12
PowerVault LTO-7 FH FC - Fibre Channel	IBM~~~~~ULTRIUM-TD7	Append, KMS, SResv, SPR, WORM	No	No	No	Datacenter	6, 7	11, 12
PowerVault LTO-7 HH FC - Fibre Channel	IBM~~~~~ULT3580-HH7	Append, KMS, SResv, SPR, WORM	No	No	No	Datacenter	6, 7	11, 12
PowerVault LTO-7 HH SAS - SAS	IBM~~~~~ULT3580-HH7	KMS, WORM	No	No	No	Datacenter	6, 7	11, 12
PowerVault LTO4 HH - SAS	IBM~~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
PowerVault LTO4-120 - SAS [1]	IBM~~~~~ULTRIUM-TD4	WORM	Enterprise Edition	Enterprise Edition	No	No	4, 5, 6, 7	10, 11, 12
PowerVault LTO5 HH - SAS	IBM~~~~~ULT3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
PowerVault LTO5-140 - SAS [2]	IBM~~~~~ULTRIUM-HH5	SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
PowerVault LTO5-140 FH - Fibre Channel [2]	IBM~~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
PowerVault LTO6 HH - SAS	IBM~~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

1. For information on tape drivers for this device, refer to the "IBM Tape Driver Support" note that follows the IBM listings in the Tape Drives section of this document.
2. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.

Dell - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
PowerVault 110T LTO (Gen1 HP) - SCSI	HP^Ultrium^1-SCSI		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
PowerVault 110T LTO2 (Gen2 IBM) - SCSI [1]	IBM^ULTRIUM-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
PowerVault 110T SDLT320 - SCSI	QUANTUM^SDLT320		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10 [2]	10 [2]
PowerVault 110T VS160 - SCSI	QUANTUM^DLT^VS160		5.3, 6.1, 7.1	No	No	10	10
PowerVault 122T LTO - SCSI	HP^Ultrium^1-SCSI		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
PowerVault 122T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
PowerVault 122T VS160 - SCSI	QUANTUM^DLT^VS160		5.3, 6.1, 7.1	No	No	10	10
PowerVault 132T LTO - SCSI	IBM^ULTRIUM-TD1		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
PowerVault 132T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
PowerVault 132T SDLT320 - SCSI	QUANTUM^SDLT320		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10 [2]	10 [2]
PowerVault 136T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
PowerVault 136T SDLT320 - SCSI	QUANTUM^SDLT320		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10 [2]	10 [2]
PowerVault 160T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
PowerVault LTO-6 - Fibre Channel	IBM^ULTRIUM-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	11.31	10, 11	10
PowerVault LTO-6 - SAS	IBM^ULTRIUM-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	11.31	10, 11	10

Dell - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
PowerVault LTO-7 - SAS	IBM~~~~~ULTRIUM-HH7	KMS, WORM	6.1, 7.1	No	No	10, 11	10, 11
PowerVault LTO-7 FH FC - Fibre Channel	IBM~~~~~ULTRIUM-TD7	Append, KMS, SResv, SPR, WORM	6.1, 7.1	No	No	10, 11	10, 11
PowerVault LTO-7 HH FC - Fibre Channel	IBM~~~~~ULT3580-HH7	Append, KMS, SResv, SPR, WORM	6.1, 7.1	No	No	10, 11	10, 11
PowerVault LTO-7 HH SAS - SAS	IBM~~~~~ULT3580-HH7	KMS, WORM	6.1, 7.1	No	No	10, 11	10, 11
PowerVault LTO4 HH - SAS	IBM~~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	No	11.31	10, 11	10, 11
PowerVault LTO5 HH - SAS	IBM~~~~~ULT3580-HH5	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	No	11.31	10, 11	10, 11
PowerVault LTO6 HH - SAS	IBM~~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10	10

1. For information on tape drivers for this device, refer to the "IBM Tape Driver Support" note that follows the IBM listings in the Tape Drives section of this document.
2. The NetBackup Backup Exec Tape Reader is not supported with this drive type on Solaris and there are no plans to support it.

Exabyte

Exabyte - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Red Hat Enterprise Linux on x86-64
VXA-2 - SCSI [1]	EXABYTE^VXA-2		Enterprise Edition	4, 5, 6

1. Tape Alert is not supported on this drive.

Exabyte - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	Solaris on SPARC
VXA-2 - SCSI [1]	EXABYTE^VXA-2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	10

1. Tape Alert is not supported on this drive.

Hewlett Packard Enterprise

Hewlett Packard Enterprise - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
Ultrium 460 LTO2 - Fibre Channel	HP~~~~~Ultrium^2-SCSI	SResv	Yes	Yes
Ultrium 960 LTO3 - Fibre Channel	HP~~~~~Ultrium^3-SCSI	SResv, SPR, WORM	Yes	Yes
Ultrium 1760 LTO4 - Fibre Channel	HP~~~~~Ultrium^4-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 1840 LTO4 - Fibre Channel	HP~~~~~Ultrium^4-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 3000 LTO5 - Fibre Channel [1]	HP~~~~~Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 3280 LTO5 - Fibre Channel [1]	HP~~~~~Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 6250 LTO6 - Fibre Channel	HP~~~~~Ultrium^6-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 6650 LTO6 - Fibre Channel	HP~~~~~Ultrium^6-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 15000 LTO7 - Fibre Channel [2]	HP~~~~~Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 15750 LTO7 - Fibre Channel [2]	HP~~~~~Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Yes	Yes

1. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.
2. Requires NetBackup 7.5 or later.

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
DAT 72 - SCSI	HP~~~~~C7438A		Enterprise Edition	No	Enterprise Edition	No	4, 5	No	No	No
DLT VS160 - SCSI (EOL)	HP~~~~~DLT^VS160		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	No	No	No	No

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
SDLT600 - SCSI (EOL)	HP^~~~~~SDLT600		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 215 LTO1 - SCSI	HP^~~~~~Ultrium^1-SCSI		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 230 LTO1 - SCSI	HP^~~~~~Ultrium^1-SCSI		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 448 LTO2 - SAS	HP^~~~~~Ultrium^2-SCSI		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	No	10, 11	No
Ultrium 448 LTO2 - SCSI	HP^~~~~~Ultrium^2-SCSI		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	No	No
Ultrium 460 LTO2 - Fibre Channel	HP^~~~~~Ultrium^2-SCSI		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	5	10, 11	10
Ultrium 460 LTO2 - SCSI	HP^~~~~~Ultrium^2-SCSI		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 920 LTO3 - SAS	HP^~~~~~Ultrium^3-SCSI		Enterprise Edition	No	No	No	4, 5, 6	No	10, 11	No
Ultrium 920 LTO3 - SCSI	HP^~~~~~Ultrium^3-SCSI	WORM	Enterprise Edition	No	Enterprise Edition	No	4, 5, 6	No	No	No
Ultrium 960 LTO3 - Fibre Channel	HP^~~~~~Ultrium^3-SCSI	SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6	5	10, 11	10
Ultrium 960 LTO3 - SCSI	HP^~~~~~Ultrium^3-SCSI	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 1760 LTO4 - Fibre Channel	HP^~~~~~Ultrium^4-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 1760 LTO4 - SAS	HP^~~~~~Ultrium^4-SCSI	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
Ultrium 1760 LTO4 - SCSI	HP^Ultrium^4-SCSI	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 1840 LTO4 - Fibre Channel	HP^Ultrium^4-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	5	10, 11, 12	10
Ultrium 1840 LTO4 - SAS	HP^Ultrium^4-SCSI	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 1840 LTO4 - SCSI	HP^Ultrium^4-SCSI	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 3000 LTO5 - Fibre Channel [1]	HP^Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 3000 LTO5 - SAS [1]	HP^Ultrium^5-SCSI	SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 3280 LTO5 - Fibre Channel [1]	HP^Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	5	10, 11, 12	10
Ultrium 3280 LTO5 - SAS [1]	HP^Ultrium^5-SCSI	KMS, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 6250 LTO6 - Fibre Channel	HP^Ultrium^6-SCSI	KMS, SResv, SPR, WORM	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
Ultrium 6250 LTO6 - SAS	HP^Ultrium^6-SCSI	KMS, WORM	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
Ultrium 6650 LTO6 - Fibre Channel	HP^Ultrium^6-SCSI	KMS, SResv, SPR, WORM	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
Ultrium 6650 LTO6 - SAS	HP^Ultrium^6-SCSI	KMS, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
Ultrium 15000 LTO7 - Fibre Channel [2]	HP^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	No	No	Enterprise Edition [3]	Datacenter	6, 7	No	11, 12	No
Ultrium 15000 LTO7 - SAS [2]	HP^Ultrium^7-SCSI	KMS, WORM	No	No	Enterprise Edition [3]	Datacenter	6, 7	No	11, 12	No
Ultrium 15750 LTO7 - Fibre Channel [2]	HP^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	No	No	Enterprise Edition [3]	Datacenter	6, 7	No	11, 12	No

1. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.
2. Requires NetBackup 7.5 or later.
3. Requires Windows 2008 R2 or later.

Hewlett Packard Enterprise - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DAT 72 - SCSI	HP^C7438A		6.1	No	No	10	No
SDLT600 - SCSI (EOL)	HP^SDLT600		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10 [1]	10 [1]
Ultrium 215 LTO1 - SCSI	HP^Ultrium^1-SCSI		No	11.11, 11.23, 11.31	11.31	10	10
Ultrium 230 LTO1 - SCSI	HP^Ultrium^1-SCSI		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
Ultrium 448 LTO2 - SCSI	HP^Ultrium^2-SCSI		No	No	No	10	10
Ultrium 460 LTO2 - Fibre Channel	HP^Ultrium^2-SCSI		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10 [2]

Hewlett Packard Enterprise - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Ultrium 460 LTO2 - SCSI	HP^Ultrium^2-SCSI		5.3, 6.1, 7.1	11.11, 11.23, 11.31 [3]	11.31	10	10
Ultrium 920 LTO3 - SAS	HP^Ultrium^3-SCSI		No	No	11.31	10, 11	10, 11
Ultrium 920 LTO3 - SCSI	HP^Ultrium^3-SCSI	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
Ultrium 960 LTO3 - Fibre Channel	HP^Ultrium^3-SCSI	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10, 11	10, 11
Ultrium 960 LTO3 - SCSI	HP^Ultrium^3-SCSI	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
Ultrium 1760 LTO4 - Fibre Channel	HP^Ultrium^4-SCSI	KMS, WORM	5.3, 6.1, 7.1	11.23, 11.31 [4]	11.31 [4]	10, 11	10, 11
Ultrium 1760 LTO4 - SAS	HP^Ultrium^4-SCSI	WORM	6.1, 7.1	No	11.31	10, 11	10, 11
Ultrium 1760 LTO4 - SCSI	HP^Ultrium^4-SCSI	KMS, WORM	6.1, 7.1	11.23, 11.31 [4]	11.31 [4]	10	10
Ultrium 1840 LTO4 - Fibre Channel	HP^Ultrium^4-SCSI	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31 [4]	11.31 [4]	10, 11	10, 11
Ultrium 1840 LTO4 - SAS	HP^Ultrium^4-SCSI	WORM	6.1, 7.1	No	No	10	No
Ultrium 1840 LTO4 - SCSI	HP^Ultrium^4-SCSI	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31 [4]	11.31 [4]	10	No
Ultrium 3000 LTO5 - Fibre Channel [5]	HP^Ultrium^5-SCSI	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Ultrium 3000 LTO5 - SAS [5]	HP^Ultrium^5-SCSI	KMS, SPR, WORM	No	No	11.31	10, 11	10, 11
Ultrium 3280 LTO5 - Fibre Channel [5]	HP^Ultrium^5-SCSI	SPR, WORM	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Ultrium 3280 LTO5 - SAS [5]	HP^Ultrium^5-SCSI	SPR, WORM	No	No	11.31	10, 11	10, 11

Hewlett Packard Enterprise - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Ultrium 6250 LTO6 - Fibre Channel	HP^Ultrium^6-SCSI	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10	10
Ultrium 6250 LTO6 - SAS	HP^Ultrium^6-SCSI	KMS, WORM	No	No	11.31	10	10
Ultrium 6650 LTO6 - Fibre Channel	HP^Ultrium^6-SCSI	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10	10
Ultrium 6650 LTO6 - SAS	HP^Ultrium^6-SCSI	KMS, WORM	No	No	11.31	10	10
Ultrium 15000 LTO7 - Fibre Channel [6]	HP^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	6.1, 7.1	No	11.31	10, 11	10, 11
Ultrium 15000 LTO7 - SAS [6]	HP^Ultrium^7-SCSI	KMS, WORM	6.1, 7.1	No	11.31	10, 11	10, 11
Ultrium 15750 LTO7 - Fibre Channel [6]	HP^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	No	No	11.31	10, 11	10, 11

1. The NetBackup Backup Exec Tape Reader is not supported with this drive type on Solaris and there are no plans to support it.
2. Fibre Channel resume logic is not supported on Solaris x64.
3. An update to the HP-UX `||stape/estape||` driver is required in order to allow connectivity. Patch PHKL_27304 is available from the Hewlett Packard Enterprise support web site.
4. Requires HP-UX 11.31 patch PHKL_36312.
5. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.
6. Requires NetBackup 7.5 or later.

IBM

IBM - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
System Storage TS1030 (3588 Model F3B) Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SResv, SPR, WORM	Yes	Yes
System Storage TS1040 (3588 Model F4A) Ultrium 4 - Fibre Channel	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS1050 (3588 Model F5A) Ultrium 5 - Fibre Channel [2]	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS1060 (3588 Model F6A) Ultrium 6 - Fibre Channel	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS1120 (3592 Model E05) - Fibre Channel	IBM~~~~~03592E05	SResv, SPR, WORM	Yes	Yes
System Storage TS1130 (3592 Model E06) - Fibre Channel	IBM~~~~~03592E06	SResv, WORM	Yes	Yes
System Storage TS1140 (3592 Model E07) - Fibre Channel	IBM~~~~~03592E07	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS1150 (3592 Model E08) - Fibre Channel	IBM~~~~~03592E08	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2240 Ultrium 4 Half Height - Fibre Channel	IBM~~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2250 Ultrium 5 Half Height - Fibre Channel [2]	IBM~~~~~ULT3580-HH5	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2260 Ultrium 6 Half Height - Fibre Channel	IBM~~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2270 Ultrium 7 Half Height - Fibre Channel [3]	IBM~~~~~ULT3580-HH7	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2340 Ultrium 4 - Fibre Channel	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2350 Ultrium 5 - Fibre Channel [2]	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2360 Ultrium 6 - Fibre Channel	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2370 Ultrium 7 - Fibre Channel [3]	IBM~~~~~ULT3580-TD7	KMS, SResv, SPR, WORM	Yes	Yes
TotalStorage 3580 Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SResv, SPR, WORM	Yes	Yes
TotalStorage 3590E Series - Fibre Channel (EOL)	IBM~~~~~03590E	SResv	Yes	Yes
TotalStorage 3590H Series - Fibre Channel (EOL)	IBM~~~~~03590H	SResv	Yes	Yes
TotalStorage 3592 Model J1A - Fibre Channel (EOL)	IBM~~~~~03592J1A	SResv, WORM	Yes	Yes
Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULTRIUM-TD3	SResv, SPR, WORM	Yes	Yes
Ultrium 4 - Fibre Channel	IBM~~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	Yes	Yes

IBM - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
Ultrium 5 - Fibre Channel [2]	IBM~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 6 - Fibre Channel	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 7 - Fibre Channel [3]	IBM~~~~ULTRIUM-TD7	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 7 Half Height - Fibre Channel [3]	IBM~~~~ULTRIUM-HH7	KMS, SResv, SPR, WORM	Yes	Yes

1. 4Gb Fibre Channel supported.
2. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.
3. Requires NetBackup 7.5 or later.

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
System Storage TS1030 (3588 Model F3B) Ultrium 3 - Fibre Channel [1]	IBM~~~~ULT3580-TD3	SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
System Storage TS1040 (3588 Model F4A) Ultrium 4 - Fibre Channel	IBM~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS1050 (3588 Model F5A) Ultrium 5 - Fibre Channel [2]	IBM~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
System Storage TS1060 (3588 Model F6A) Ultrium 6 - Fibre Channel	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
System Storage TS1070 (3588 Model F7A) Ultrium 7 - Fibre Channel [3]	IBM~~~~~ULT3580-TD7	KMS, SResv, SPR, WORM	No	No	No	Datacenter	6, 7	No	11, 12	No
System Storage TS1120 (3592 Model E05) - Fibre Channel	IBM~~~~~03592E05	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	5	10, 11, 12	10
System Storage TS1130 (3592 Model E06) - Fibre Channel	IBM~~~~~03592E06	SResv, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS1140 (3592 Model E07) - Fibre Channel	IBM~~~~~03592E07	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
System Storage TS1150 (3592 Model E08) - Fibre Channel	IBM~~~~~03592E08	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	6, 7	No	11, 12	No
System Storage TS2230 Ultrium 3 Half Height - SAS	IBM~~~~~ULT3580-HH3	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
System Storage TS2230 Ultrium 3 Half Height - SCSI	IBM~~~~~ULT3580-HH3	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
System Storage TS2240 Ultrium 4 Half Height - Fibre Channel	IBM^ULT3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS2240 Ultrium 4 Half Height - SAS	IBM^ULT3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS2250 Ultrium 5 Half Height - Fibre Channel [2]	IBM^ULT3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS2250 Ultrium 5 Half Height - SAS [2]	IBM^ULT3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS2260 Ultrium 6 Half Height - Fibre Channel	IBM^ULT3580-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
System Storage TS2260 Ultrium 6 Half Height - SAS	IBM^ULT3580-HH6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
System Storage TS2270 Ultrium 7 Half Height - Fibre Channel [3]	IBM^ULT3580-HH7	KMS, SResv, SPR, WORM	No	No	No	Datacenter	6, 7	No	11, 12	No
System Storage TS2270 Ultrium 7 Half Height - SAS [3]	IBM^ULT3580-HH7	KMS, WORM	No	No	No	Datacenter	6, 7	No	11, 12	No

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
System Storage TS2340 Ultrium 4 - Fibre Channel	IBM^ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS2340 Ultrium 4 - SAS	IBM^ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS2340 Ultrium 4 - SCSI	IBM^ULT3580-TD4	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
System Storage TS2350 Ultrium 5 - Fibre Channel [2]	IBM^ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS2350 Ultrium 5 - SAS [2]	IBM^ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
System Storage TS2360 Ultrium 6 - Fibre Channel	IBM^ULT3580-TD6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
System Storage TS2360 Ultrium 6 - SAS	IBM^ULT3580-TD6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
System Storage TS2370 Ultrium 7 - Fibre Channel [3]	IBM^ULT3580-TD7	KMS, SResv, SPR, WORM	No	No	No	Datacenter	6, 7	No	11, 12	No

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
TotalStorage 3580 Ultrium 1 - Fibre Channel (EOL)	IBM~~~~~ULT3580-TD1		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
TotalStorage 3580 Ultrium 1 - SCSI (EOL)	IBM~~~~~ULT3580-TD1		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
TotalStorage 3580 Ultrium 2 - Fibre Channel (EOL)	IBM~~~~~ULT3580-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
TotalStorage 3580 Ultrium 2 - SCSI (EOL)	IBM~~~~~ULT3580-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
TotalStorage 3580 Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
TotalStorage 3580 Ultrium 3 - SCSI	IBM~~~~~ULT3580-TD3	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
TotalStorage 3590E Series - Fibre Channel (EOL)	IBM~~~~~03590E	SResv	Enterprise Edition	Enterprise Edition	No	No	4, 5, 6, 7	No	10, 11, 12	No
TotalStorage 3590E Series - SCSI (EOL)	IBM~~~~~03590E		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	No	10, 11	No
TotalStorage 3590H Series - Fibre Channel (EOL)	IBM~~~~~03590H	SResv	Enterprise Edition	Enterprise Edition	No	No	4, 5, 6, 7	No	10, 11, 12	No
TotalStorage 3590H Series - SCSI (EOL)	IBM~~~~~03590H		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	No	10, 11	No
TotalStorage 3592 Model J1A - Fibre Channel (EOL)	IBM~~~~~03592J1A	SResv, WORM	Enterprise Edition	Enterprise Edition	No	No	4, 5, 6, 7	5	10, 11, 12	10

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
Ultrium 1 - Fibre Channel (EOL)	IBM~~~~ULTRIUM-TD1		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 1 - SCSI (EOL)	IBM~~~~ULTRIUM-TD1		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 2 - Fibre Channel (EOL)	IBM~~~~ULTRIUM-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	5	10, 11	10
Ultrium 2 - SCSI (EOL)	IBM~~~~ULTRIUM-TD2		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 3 - Fibre Channel [1]	IBM~~~~ULTRIUM-TD3	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	5	10, 11	10
Ultrium 3 - SCSI	IBM~~~~ULTRIUM-TD3	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 3 Half Height - SAS	IBM~~~~ULTRIUM-HH3	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 3 Half Height - SCSI	IBM~~~~ULTRIUM-HH3	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 4 (U160) - SCSI	IBM~~~~ULTRIUM-TD4	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
Ultrium 4 - Fibre Channel	IBM~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	5	10, 11, 12	10
Ultrium 4 - SAS	IBM~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
Ultrium 4 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 4 Half Height - SAS	IBM~~~~ULTRIUM-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 5 - Fibre Channel [2]	IBM~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	5	10, 11, 12	10
Ultrium 5 - SAS [2]	IBM~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 5 Half Height - Fibre Channel [2]	IBM~~~~ULTRIUM-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 5 Half Height - SAS [2]	IBM~~~~ULTRIUM-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	No	10, 11, 12	No
Ultrium 6 - Fibre Channel	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12	10
Ultrium 6 - SAS	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
Ultrium 6 Half Height - Fibre Channel	IBM~~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
Ultrium 6 Half Height - SAS	IBM~~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	No	No	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No
Ultrium 7 - Fibre Channel [3]	IBM~~~~~ULTRIUM-TD7	KMS, SResv, SPR, WORM	No	No	No	Datacenter	6, 7	No	10, 11, 12	No
Ultrium 7 - SAS [3]	IBM~~~~~ULTRIUM-TD7		No	No	No	Datacenter	6, 7	No	10, 11, 12	No
Ultrium 7 Half Height - Fibre Channel [3]	IBM~~~~~ULTRIUM-HH7	KMS, SResv, SPR, WORM	No	No	No	Datacenter	6, 7	No	11, 12	No
Ultrium 7 Half Height - SAS [3]	IBM~~~~~ULTRIUM-HH7	KMS, WORM	No	No	No	Datacenter	6, 7	No	11, 12	No

1. 4Gb Fibre Channel supported.
2. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.
3. Requires NetBackup 7.5 or later.

IBM Tape Driver Support

The latest version of the IBM tape device driver package that has been tested with NetBackup is listed below. Using the version listed here is recommended, but older versions of the tape drivers are also supported and may work well. There is no need to upgrade the tape driver if the configuration is working properly. Upgrading to the version listed here may be necessary if implementing the latest model tape drives or if problems are encountered that have been addressed by the driver provider.

If using the IBM Windows Tape Device Drivers be sure to choose the install_nonexclusive.exe executable. This option permits a tape drive to be accessed by multiple processes on a Media Server, which is a requirement for NetBackup.

NetBackup requires the IBM Data Path Failover feature to be disabled on the IBM tape device driver. To disable this feature, open the reg folder of the IBM driver package, double-click DisabledDPF.reg, and reboot the system.

- IBMTape driver level 6.2.5.5 tested on Windows

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

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
System Storage TS1030 (3588 Model F3B) Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10, 11	10, 11
System Storage TS1040 (3588 Model F4A) Ultrium 4 - Fibre Channel	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10, 11	10, 11
System Storage TS1050 (3588 Model F5A) Ultrium 5 - Fibre Channel [2]	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
System Storage TS1060 (3588 Model F6A) Ultrium 6 - Fibre Channel	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	11.31	10, 11	10, 11
System Storage TS1070 (3588 Model F7A) Ultrium 7 - Fibre Channel [3]	IBM~~~~~ULT3580-TD7	KMS, SResv, SPR, WORM	6.1, 7.1	No	No	10, 11	10, 11
System Storage TS1120 (3592 Model E05) - Fibre Channel	IBM~~~~~03592E05	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10, 11	10, 11
System Storage TS1130 (3592 Model E06) - Fibre Channel	IBM~~~~~03592E06	WORM	5.3, 6.1, 7.1	11.31	11.31	10, 11	10, 11
System Storage TS1140 (3592 Model E07) - Fibre Channel	IBM~~~~~03592E07	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
System Storage TS1150 (3592 Model E08) - Fibre Channel	IBM~~~~~03592E08	KMS, SResv, SPR, WORM	6.1, 7.1	No	11.31	10, 11	10, 11
System Storage TS2230 Ultrium 3 Half Height - SAS	IBM~~~~~ULT3580-HH3	WORM	5.3, 6.1, 7.1	No	11.31	10, 11	10, 11
System Storage TS2230 Ultrium 3 Half Height - SCSI	IBM~~~~~ULT3580-HH3	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
System Storage TS2240 Ultrium 4 Half Height - Fibre Channel	IBM~~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
System Storage TS2240 Ultrium 4 Half Height - SAS	IBM~~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	No	11.31	10, 11	10, 11
System Storage TS2250 Ultrium 5 Half Height - Fibre Channel [2]	IBM~~~~~ULT3580-HH5	Append, KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
System Storage TS2250 Ultrium 5 Half Height - SAS [2]	IBM~~~~~ULT3580-HH5	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	No	11.31	10, 11	10, 11
System Storage TS2260 Ultrium 6 Half Height - Fibre Channel	IBM~~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
System Storage TS2260 Ultrium 6 Half Height - SAS	IBM~~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10	10, 11
System Storage TS2270 Ultrium 7 Half Height - Fibre Channel [3]	IBM~~~~~ULT3580-HH7	KMS, SResv, SPR, WORM	6.1, 7.1	No	11.31	10, 11	10, 11
System Storage TS2270 Ultrium 7 Half Height - SAS [3]	IBM~~~~~ULT3580-HH7	KMS, WORM	6.1, 7.1	No	11.31	10, 11	10, 11
System Storage TS2340 Ultrium 4 - Fibre Channel	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10, 11	10, 11
System Storage TS2340 Ultrium 4 - SAS	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	No	11.31	10, 11	11
System Storage TS2340 Ultrium 4 - SCSI	IBM~~~~~ULT3580-TD4	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
System Storage TS2350 Ultrium 5 - Fibre Channel [2]	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	5.3, 6.1	11.23, 11.31	11.31	10, 11	10, 11
System Storage TS2350 Ultrium 5 - SAS [2]	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	No	11.31	10, 11	10, 11
System Storage TS2360 Ultrium 6 - Fibre Channel	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
System Storage TS2360 Ultrium 6 - SAS	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10, 11	10

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
System Storage TS2370 Ultrium 7 - Fibre Channel [3]	IBM~~~~~ULT3580-TD7	KMS, SResv, SPR, WORM	6.1, 7.1	No	11.31	10, 11	10, 11
TotalStorage 3580 Ultrium 1 - Fibre Channel (EOL)	IBM~~~~~ULT3580-TD1		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
TotalStorage 3580 Ultrium 1 - SCSI (EOL)	IBM~~~~~ULT3580-TD1		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
TotalStorage 3580 Ultrium 2 - Fibre Channel (EOL)	IBM~~~~~ULT3580-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
TotalStorage 3580 Ultrium 2 - SCSI (EOL)	IBM~~~~~ULT3580-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
TotalStorage 3580 Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10, 11	10, 11
TotalStorage 3580 Ultrium 3 - SCSI	IBM~~~~~ULT3580-TD3	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
TotalStorage 3590B Series - SCSI (EOL) [4]	IBM~~~~~03590B		5.3, 6.1, 7.1	No	No	10	No
TotalStorage 3590E Series - Fibre Channel (EOL)	IBM~~~~~03590E		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
TotalStorage 3590E Series - SCSI (EOL)	IBM~~~~~03590E		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
TotalStorage 3590H Series - Fibre Channel (EOL)	IBM~~~~~03590H		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
TotalStorage 3590H Series - SCSI (EOL)	IBM~~~~~03590H		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
TotalStorage 3592 Model J1A - Fibre Channel (EOL)	IBM~~~~~03592J1A	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10, 11	10, 11
Ultrium 1 - Fibre Channel (EOL)	IBM~~~~~ULTRIUM-TD1		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
Ultrium 1 - SCSI (EOL)	IBM~~~~~ULTRIUM-TD1		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
Ultrium 2 - Fibre Channel (EOL)	IBM~~~~~ULTRIUM-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
Ultrium 2 - SCSI (EOL)	IBM~~~~~ULTRIUM-TD2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULTRIUM-TD3	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10, 11	10, 11

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Ultrium 3 - SCSI	IBM~~~~ULTRIUM-TD3	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
Ultrium 3 Half Height - SAS	IBM~~~~ULTRIUM-HH3	WORM	5.3, 6.1, 7.1	No	11.31	10, 11	10, 11
Ultrium 3 Half Height - SCSI	IBM~~~~ULTRIUM-HH3	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
Ultrium 4 (U160) - SCSI	IBM~~~~ULTRIUM-TD4	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
Ultrium 4 - Fibre Channel	IBM~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10, 11	10, 11
Ultrium 4 - SAS	IBM~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	No	11.31	10	No
Ultrium 4 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Ultrium 4 Half Height - SAS	IBM~~~~ULTRIUM-HH4	KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	No	11.31	10, 11	No
Ultrium 5 - Fibre Channel [2]	IBM~~~~ULTRIUM-TD5		5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Ultrium 5 - SAS [2]	IBM~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	5.3, 6.1	No	11.31	10, 11	10, 11
Ultrium 5 Half Height - Fibre Channel [2]	IBM~~~~ULTRIUM-HH5	Append, KMS, SResv, SPR, WORM	5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Ultrium 5 Half Height - SAS [2]	IBM~~~~ULTRIUM-HH5	KMS, SResv, SPR, WORM	5.3, 6.1	No	11.31	10, 11	10, 11
Ultrium 6 - Fibre Channel	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10, 11	10
Ultrium 6 - SAS	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10, 11	10
Ultrium 6 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Ultrium 6 Half Height - SAS	IBM~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
Ultrium 7 - Fibre Channel [3]	IBM~~~~ULTRIUM-TD7	KMS, SResv, SPR, WORM	6.1, 7.1	No	11.31	10, 11	10, 11

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Ultrium 7 - SAS [3]	IBM~~~~ULTRIUM-TD7		No	No	No	10, 11	10, 11
Ultrium 7 Half Height - Fibre Channel [3]	IBM~~~~ULTRIUM-HH7	KMS, SResv, SPR, WORM	6.1, 7.1	No	11.31	10, 11	10, 11
Ultrium 7 Half Height - SAS [3]	IBM~~~~ULTRIUM-HH7	KMS, WORM	6.1, 7.1	No	11.31	10, 11	10, 11

1. 4Gb Fibre Channel supported.
2. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.
3. Requires NetBackup 7.5 or later.
4. Tape Alert is not supported on this drive.

IBM Tape Driver Support

The latest versions of the IBM tape device driver packages that have been tested with NetBackup are listed below. Using the version listed here is recommended, but older versions of the tape drivers are also supported and may work well. There is no need to upgrade the tape driver if the configuration is working properly. Upgrading to the version listed here may be necessary if implementing the latest model tape drives or if problems are encountered that have been addressed by the driver provider.

AIX was tested using the IBM Atape device drivers.

- Atape 12.10.4.0 driver tested on AIX 6.1 and 7.1. NetBackup does not support the driver's Data Path Failover feature.

HP-UX was tested using the IBM atdd device drivers. Some HP-UX testing has also been done with the native stape/estape drivers. Veritas support, using the stape/estape drivers for IBM tape drive models, is limited to those that are supported natively by the HP-UX stape/estape drivers.

- atdd 5.6.2.6 driver tested on HP-UX 11.23 PA-RISC

- atdd 6.0.2.24 driver tested on HP-UX 11.31 PA-RISC and IA64. **Using the atdd driver with NetBackup 7.0.1 and later on HP-UX 11.31 IA64 requires atdd driver 6.0.2.8 or later.** atdd kernel parameters must be set to allow NetBackup to handle SCSI reservations and disable load balancing in multi-path configurations.

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

Oracle

Oracle - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
StorageTek T9840D - Fibre Channel	STK~~~~T9840D	SResv, SPR, WORM	Yes	Yes
StorageTek T10000B - Fibre Channel	STK~~~~T10000B	SResv, SPR, WORM	Yes	Yes
StorageTek T10000C - Fibre Channel [1]	STK~~~~T10000C	KMS, SResv, SPR, WORM	Yes	Yes
StorageTek T10000D - Fibre Channel [1]	STK~~~~T10000D	KMS, SResv, SPR, WORM	Yes	Yes

1. Oracle's Tape Application Accelerator is supported with this device. NetBackup does not interact with this feature.

Oracle - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
StorageTek T9840D - Fibre Channel	STK~~~~T9840D	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	5	10, 11, 12	10
StorageTek T10000B - Fibre Channel	STK~~~~T10000B	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	5	10, 11, 12	10
StorageTek T10000C - Fibre Channel [1]	STK~~~~T10000C	KMS, SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12	10

Oracle - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
StorageTek T10000D - Fibre Channel [1]	STK^T10000D	KMS, SResv, SPR, WORM	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12	No

1. Oracle's Tape Application Accelerator is supported with this device. NetBackup does not interact with this feature.

Oracle - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
StorageTek T9840D - Fibre Channel	STK^T9840D		5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
StorageTek T10000B - Fibre Channel	STK^T10000B		5.3, 6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
StorageTek T10000C - Fibre Channel [1]	STK^T10000C	KMS, SPR	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11
StorageTek T10000D - Fibre Channel [1]	STK^T10000D	KMS, SResv, SPR	6.1, 7.1	11.23, 11.31	11.31	10, 11	10, 11

1. Oracle's Tape Application Accelerator is supported with this device. NetBackup does not interact with this feature.

Quantum

Quantum - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
DLT-S4 - Fibre Channel	QUANTUM^DLT-S4	SResv, SPR, WORM	Yes	Yes
LTO-3 HH - Fibre Channel	QUANTUM^ULTRIUM^3	SResv	Yes	Yes
SDLT 600 - Fibre Channel	QUANTUM^SDLT600	SResv, SPR	Yes	Yes

Quantum - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DLT-S4 - Fibre Channel	QUANTUM^DLT-S4	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	10, 11, 12
DLT-S4 - SCSI	QUANTUM^DLT-S4	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
DLT-V4 - SCSI (EOL)	QUANTUM^DLT-V4		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
DLT 7000 - SCSI	QUANTUM^DLT7000		No	Enterprise Edition	No	No	4, 5	No
DLT VS160 - SCSI (EOL)	QUANTUM^DLT^VS160		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
LTO-2 - SCSI (EOL)	CERTANCEULTRIUM^2		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	10, 11
LTO-2 HH - SCSI (EOL)	CERTANCEULTRIUM^2		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	No

Quantum - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
LTO-3 - SCSI	CERTANCEULTRIUM^3		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	10, 11
LTO-3 HH - Fibre Channel	QUANTUM^ULTRIUM^3		No	Enterprise Edition	No	No	4, 5, 6	No
LTO-3 HH - SAS	QUANTUM^ULTRIUM^3		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	10, 11
LTO-3 HH - SCSI	QUANTUM^ULTRIUM^3		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	10, 11
LTO-4 HH - SAS	QUANTUM^ULTRIUM^4	KMS, WORM	Enterprise Edition	Enterprise Edition	No	Datacenter	No	10, 11
LTO-5 FH - SAS [1]	QUANTUM^ULTRIUM^5	KMS, SPR, WORM	No	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
LTO-5 HH - SAS [1]	QUANTUM^ULTRIUM^5	KMS, SPR, WORM	No	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11, 12
LTO-6 HH - SAS	QUANTUM^ULTRIUM^6	KMS, WORM	No	Enterprise Edition	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
SDLT 320 - SCSI	QUANTUM^SDLT320		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
SDLT 600 - Fibre Channel	QUANTUM^SDLT600	SPR	No	No	No	No	4, 5, 6	10, 11
SDLT 600 - SCSI	QUANTUM^SDLT600		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
Ultrium 4 HH - SAS	QUANTUM^ULTRIUM-HH4	KMS, SPR, WORM	No	No	Enterprise Edition	Datacenter	No	No
Ultrium 5 HH - SAS	QUANTUM^ULTRIUM-HH5	KMS, SPR, WORM	No	No	Enterprise Edition	Datacenter	No	No
Ultrium 6 HH - SAS	QUANTUM^ULTRIUM-HH6	KMS, SPR, WORM	No	No	Enterprise Edition	Datacenter	No	No

Quantum - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Ultrium 7 HH - SAS [2]	QUANTUM^ULTRIUM-HH7	KMS, WORM	No	No	Enterprise Edition	Datacenter	No	No

1. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.

2. Requires NetBackup 7.5 or later.

Quantum - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DLT-S4 - Fibre Channel	QUANTUM^DLT-S4	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31 [1]	11.31 [1]	10	10 [2]
DLT-S4 - SCSI	QUANTUM^DLT-S4	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
DLT-V4 - SCSI (EOL)	QUANTUM^DLT-V4		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
DLT 7000 - SCSI	QUANTUM^DLT7000		5.3	11.11, 11.23	No	10	No
DLT VS160 - SCSI (EOL)	QUANTUM^DLT^VS160		5.3, 6.1, 7.1	No	No	10	10
LTO-2 - SCSI (EOL)	CERTANCEULTRIUM^2		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
LTO-2 HH - SCSI (EOL)	CERTANCEULTRIUM^2		6.1, 7.1	No	No	10	10
LTO-3 - SCSI	CERTANCEULTRIUM^3		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
LTO-3 HH - Fibre Channel	QUANTUM^ULTRIUM^3		No	No	No	10	No
LTO-3 HH - SCSI	QUANTUM^ULTRIUM^3		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
LTO-5 FH - SAS [3]	QUANTUM^ULTRIUM^5	SPR, WORM	No	No	No	10, 11	10, 11
LTO-5 HH - SAS [3]	QUANTUM^ULTRIUM^5	SPR, WORM	No	No	No	10, 11	10, 11
LTO-6 HH - SAS	QUANTUM^ULTRIUM^6	KMS, WORM	No	No	11.31	10, 11	10, 11
SDLT 320 - SCSI	QUANTUM^SDLT320		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10 [4]	10 [4]
SDLT 600 - Fibre Channel	QUANTUM^SDLT600	SPR	7.1	11.23	11.31	No	10 [4]

Quantum - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
SDLT 600 - SCSI	QUANTUM^SDLT600		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10 [4]	10 [4]

1. Fibre Channel resume logic is not supported on HP-UX.
2. Fibre Channel resume logic is not supported on Solaris x64.
3. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.
4. The NetBackup Backup Exec Tape Reader is not supported with this drive type on Solaris and there are no plans to support it.

Sony

Sony - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
SDX-500C AITi130/S (AIT-2) - SCSI	SONY^^^SDX-500C		Enterprise Edition	Enterprise Edition	No	4, 5, 6	10, 11
SDX-520C AITi130-A/S (AIT-2) - IDE/ATAPI	SONY^^^SDX-520C		Enterprise Edition	No	No	No	No
SDX-700C AITi260/S (AIT-3) - SCSI	SONY^^^SDX-700C		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDX-700V AITi260/S (AIT-3) - SCSI	SONY^^^SDX-700V		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDX-800V AITi390/S (AIT-3Ex) - SCSI	SONY^^^SDX-800V		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDX-900V AITi520/S (AIT-4) - SCSI	SONY^^^SDX-900V		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDX-1100 AITe1040 (AIT-5) - SCSI	SONY^^^SDX-1100	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDX-1100 AITi1040 (AIT-5) - SCSI	SONY^^^SDX-1100	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDZ-100 SAITi1300SS (SAIT) - SCSI	SONY^^^SDZ-100		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDZ-130 SAITi1300SS (SAIT) - Fibre Channel	SONY^^^SDZ-130		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDZ-200 - SCSI	SONY^^^SDZ-200		Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5, 6	10, 11
SDZ-230 - Fibre Channel	SONY^^^SDZ-230		No	Enterprise Edition	Enterprise Edition	No	No

Sony - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
SDX-500C AITi130/S (AIT-2) - SCSI	SONY^^^SDX-500C		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	No
SDX-700C AITi260/S (AIT-3) - SCSI	SONY^^^SDX-700C		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
SDX-700V AITi260/S (AIT-3) - SCSI	SONY^^^SDX-700V		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
SDX-800V AITi390/S (AIT-3Ex) - SCSI	SONY^^^SDX-800V		5.3, 6.1, 7.1	11.11, 11.23, 11.31	No	10	10
SDX-900V AITi520/S (AIT-4) - SCSI	SONY^^^SDX-900V		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
SDX-1100 AITe1040 (AIT-5) - SCSI	SONY^^^SDX-1100	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
SDX-1100 AITi1040 (AIT-5) - SCSI	SONY^^^SDX-1100	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
SDZ-100 SAITi1300SS (SAIT) - SCSI	SONY^^^SDZ-100		5.3, 6.1, 7.1	No	No	10	10
SDZ-130 SAITi1300SS (SAIT) - Fibre Channel	SONY^^^SDZ-130		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
SDZ-200 - SCSI	SONY^^^SDZ-200		No	No	No	10	10

StorageTek

StorageTek - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
T9840B - Fibre Channel	STK^T9840B		Enterprise Edition	No	4, 5, 6	No	10, 11	No
T9840B - SCSI	STK^T9840B		No	No	4, 5, 6	No	10, 11	No
T9840C - Fibre Channel	STK^T9840C		Enterprise Edition	Enterprise Edition	4, 5, 6	No	10, 11	No
T9940B - Fibre Channel	STK^T9940B		Enterprise Edition	Enterprise Edition	4, 5, 6	5	10, 11	10
T10000A - Fibre Channel	STK^T10000A	SPR, WORM	Enterprise Edition	Enterprise Edition	4, 5, 6	No	10, 11	No
T10000A 4GB - Fibre Channel	STK^T10000A	SPR, WORM	Enterprise Edition	Enterprise Edition	4, 5, 6	No	10, 11	No

StorageTek - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
T9840B - Fibre Channel	STK^T9840B		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
T9840B - SCSI	STK^T9840B		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
T9840C - Fibre Channel	STK^T9840C		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
T9940B - Fibre Channel	STK^T9940B		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
T10000A - Fibre Channel	STK^T10000A	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
T10000A 4GB - Fibre Channel	STK^T10000A	SPR, WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10

Sun

Sun - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
StorageTek T9840C - Fibre Channel (EOL)	STK^T9840C	SResv, SPR, WORM	Yes	Yes
StorageTek T9840D - Fibre Channel (EOL)	STK^T9840D	SResv, SPR, WORM	Yes	Yes
StorageTek T10000A 4GB - Fibre Channel (EOL)	STK^T10000A	SResv, SPR, WORM	Yes	Yes
StorageTek T10000B - Fibre Channel (EOL)	STK^T10000B	SResv, SPR, WORM	Yes	Yes
StorEdge LTO3 - Fibre Channel (EOL)	HP^Ultrium^3-SCSI	SResv, WORM	Yes	Yes

Sun - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
StorageTek T9840C - Fibre Channel (EOL)	STK^T9840C	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	No	10, 11, 12	No
StorageTek T9840D - Fibre Channel (EOL)	STK^T9840D	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	5	10, 11, 12	10
StorageTek T10000A - Fibre Channel (EOL)	STK^T10000A		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
StorageTek T10000A 4GB - Fibre Channel (EOL)	STK^T10000A	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6, 7	5	10, 11, 12	10

Sun - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64	SUSE Linux Enterprise Server on zArch
StorageTek T10000B - Fibre Channel (EOL)	STK^T10000B	SResv, SPR, WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	5	10, 11, 12	10
StorEdge DAT 72 - SCSI	HP^C7438A		No	No	No	No	4, 5	No	No	No
StorEdge LTO1 - SCSI (EOL)	HP^Ultrium^1-SCSI		Enterprise Edition	Enterprise Edition	No	No	4, 5, 6	No	10, 11	No
StorEdge LTO2 - SCSI (EOL)	HP^Ultrium^2-SCSI		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
StorEdge LTO3 - Fibre Channel (EOL)	HP^Ultrium^3-SCSI	WORM	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No
StorEdge LTO3 - SCSI (EOL)	HP^Ultrium^3-SCSI	WORM	Enterprise Edition	No	Enterprise Edition	No	4, 5, 6	No	10, 11	No
StorEdge SDLT 320 - SCSI (EOL)	QUANTUM^SDLT320		Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	No	10, 11	No

Sun - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
StorageTek T9840C - Fibre Channel (EOL)	STK^T9840C		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
StorageTek T9840D - Fibre Channel (EOL)	STK^T9840D		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10
StorageTek T10000A - Fibre Channel (EOL)	STK^T10000A		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10

Sun - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
StorageTek T10000A 4GB - Fibre Channel (EOL)	STK^T10000A		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
StorageTek T10000B - Fibre Channel (EOL)	STK^T10000B		5.3, 6.1, 7.1	11.23, 11.31	11.31	10	10
StorEdge DAT 72 - SCSI	HP^C7438A		No	No	No	10	No
StorEdge LTO1 - SCSI (EOL)	HP^Ultrium^1-SCSI		5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
StorEdge LTO2 - SCSI (EOL)	HP^Ultrium^2-SCSI		5.3, 6.1, 7.1	11.11, 11.23, 11.31 [1]	11.31	10	10
StorEdge LTO3 - Fibre Channel (EOL)	HP^Ultrium^3-SCSI	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
StorEdge LTO3 - SCSI (EOL)	HP^Ultrium^3-SCSI	WORM	5.3, 6.1, 7.1	11.11, 11.23, 11.31	11.31	10	10
StorEdge SDLT 320 - SCSI (EOL)	QUANTUM^SDLT320		6.1, 7.1	11.11, 11.23, 11.31	No	10 [2]	10 [2]

1. An update to the HP-UX `||stape/estape||` driver is required in order to allow connectivity. Patch PHKL_27304 is available from the Hewlett Packard Enterprise support web site.
2. The NetBackup Backup Exec Tape Reader is not supported with this drive type on Solaris and there are no plans to support it.

Tandberg

Tandberg - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HH LTO 3 - SAS	TANDBERGLTO-3^HH		Enterprise Edition	Enterprise Edition	Enterprise Edition	5, 6	No
HH LTO 4 - SAS	TANDBERGLTO-4^HH		Enterprise Edition	Enterprise Edition	Enterprise Edition	5, 6, 7	10, 11, 12
HH LTO 5 - SAS [1]	TANDBERGLTO-5^HH	KMS, SPR, WORM	No	Enterprise Edition	No	4, 5, 6, 7	10, 11, 12
HH LTO 6 - SAS	TANDBERGLTO-6^HH	KMS, WORM	No	No	No	5, 6, 7	10, 11, 12
SDLT 320 - SCSI	TANDBERGSDLT320		Enterprise Edition	No	No	4, 5, 6	No

1. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.

Tandberg - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on PA-RISC	Solaris on SPARC	Solaris on x86-64
HH LTO 5 - SAS [1]	TANDBERGLTO-5^HH	KMS, SPR, WORM	No	No	10	10
SDLT 320 - SCSI	TANDBERGSDLT320		5.3, 6.1, 7.1	11.11, 11.23, 11.31	10 [2]	No

1. NetBackup Key Management System (KMS) is supported on this drive model with NetBackup Release Update 7.0.1 or later.

2. The NetBackup Backup Exec Tape Reader is not supported with this drive type on Solaris and there are no plans to support it.

NDMP Devices

NDMP device support information is listed below, organized by vendor. The tables provide information on the versions of software tested, supported connection methods and functionality, and other important notes about the hardware and its compatibility.

For information about Operating Systems supported with NDMP, see the NDMP column in the NetBackup Server section for each OS platform in the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at [<http://www.veritas.com/docs/000040842.>](http://www.veritas.com/docs/000040842)

For NetBackup for NDMP vendor-specific configuration information, refer to Article [<http://www.veritas.com/docs/000027113.>](http://www.veritas.com/docs/000027113)

Minor ("double-dot") versions of the software listed in the tables below are also supported. (Example: "v5.0" means versions v5.0.1, v5.0.2, etc. are also supported.)

IPv6 is supported with NetBackup 7.1 and later.

64-bit inode numbers are supported with NetBackup 7.6 and later.

With NetBackup 7.6 or later, wildcard characters can be used in regular expressions or the directive ALL_FILESYSTEMS to specify path names in NDMP policy backup selections. For more information on the use of wildcard characters, see the Veritas NetBackup for NDMP Administrator's Guide.

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Methods](#)

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NDMP Devices - Connection Methods

The following table describes the supported NDMP connection methods.

Connection Method	Description
Direct-attach	Data travels from disk to a tape device on the same NDMP host, or from disk to tape device on a SAN. Backup data is NOT sent over local network. NOTE: The tape drives must be in NDMP-type storage units.
Remote	Data travels from the NDMP host, across the local network to a NetBackup media server, to a storage unit connected to the NetBackup media server.
3-way	Data travels from disk on an NDMP host to a tape device on another NDMP host. Backup data is sent over the local network. NOTE: The tape drives must be in NDMP-type storage units.

NDMP Devices - Vendor Compatibility

Contents

<u>BlueArc</u>	<u>Data Domain</u>	<u>Dell</u>
<u>EMC</u>	<u>Hewlett Packard Enterprise</u>	<u>Hitachi</u>
<u>Huawei</u>	<u>IBM</u>	<u>Imation</u>
<u>Isilon</u>	<u>Mirapoint</u>	<u>NEC</u>
<u>NetApp</u>	<u>Nexenta</u>	<u>ONStor</u>
<u>Oracle</u>	<u>Stratus Technologies</u>	<u>Veritas</u>

BlueArc

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Mercury series	BlueArc OS 6.0, BlueArc OS 7.0, BlueArc OS 8.0, BlueArc OS 10.0	Direct-attach, Remote, 3-way	Yes	Yes	Yes	SCSI reservation is not enabled by default. Please refer to BlueArc's documentation for details on enabling this setting in an SSO configuration.
Titan series	BlueArc OS 6.0, BlueArc OS 7.0, BlueArc OS 8.0, BlueArc OS 10.0	Direct-attach, Remote, 3-way	Yes	Yes	Yes	SCSI reservation is not enabled by default. Please refer to BlueArc's documentation for details on enabling this setting in an SSO configuration. The Titan 2000 Series is supported with Silicon Update 3.3 and 4.2 software, supports Direct-attach, Remote, and 3-way NDMP connection methods, and supports Direct Access Restore. Tape drives used with the Direct-attach connection method must be dedicated to the NDMP device.

Data Domain

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Appliance series	DDOS 5.0, DDOS 5.1, DDOS 5.3, DDOS 5.4	3-way Target	Yes	Yes	Yes	All models in the Appliance Series are supported. Configure as NDMP Tape Server.

Dell

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Compellent FS8600	FluidFS 2.0, FluidFS 3.0, FluidFS 4.0	Remote, 3-way	Yes	Yes	No	TYPE=tar environment variable must be set. TYPE=dump backups are not supported.
DR Series	Dell OS 3.2	3-way Target	Yes	Yes	No	Requires NetBackup 7.5 or later.
EqualLogic FS7500	FluidFS 2.0, FluidFS 3.0, Scalable File System 1.0	Remote, 3-way	Yes	Yes	No	TYPE=tar environment variable must be set. TYPE=dump backups are not supported.
EqualLogic FS7600	FluidFS 2.0, FluidFS 3.0	Remote, 3-way	Yes	Yes	No	TYPE=tar environment variable must be set. TYPE=dump backups are not supported.
EqualLogic FS7610	FluidFS 2.0, FluidFS 3.0	Remote, 3-way	Yes	Yes	No	TYPE=tar environment variable must be set. TYPE=dump backups are not supported.
PowerVault NX3500	FluidFS 2.0, FluidFS 3.0, Scalable File System 1.0	Remote, 3-way	Yes	Yes	No	TYPE=tar environment variable must be set. TYPE=dump backups are not supported.
PowerVault NX3600	FluidFS 2.0, FluidFS 3.0	Remote, 3-way	Yes	Yes	No	TYPE=tar environment variable must be set. TYPE=dump backups are not supported.
PowerVault NX3610	FluidFS 2.0, FluidFS 3.0	Remote, 3-way	Yes	Yes	No	TYPE=tar environment variable must be set. TYPE=dump backups are not supported.

EMC

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Celerra series	DART 5.1, DART 5.2, DART 5.3, DART 5.4, DART 5.5, DART 5.6, DART 6.0	Direct-attach, Remote, 3-way	Yes	Yes	Yes	For a list of compatible tape drives and libraries, see EMC's device support matrices. TYPE=tar backups are not recommended with this device. For more information, see <http://www.veritas.com/docs/000095049.>
VNX2 series	VNX File 8.1	Direct-attach, Remote, 3-way	Yes	Yes	Yes	All models in the EMC VNX2 Series are supported (VNX5200, VNX5400, VNX5600, VNX5800, VNX7600, VNX8000). For a list of compatible tape drives and libraries, see EMC's device support matrices. TYPE=tar backups are not recommended with this device. For more information, see VNX">http://www.veritas.com/docs/000095049. VNX> File 8.1 software requires hotfix 8.1.2.510.
VNX2e series	VNXe Operating Environment v3.1	Remote, 3-way	Yes	Yes	Yes	All models in the EMC VNX2e Series are supported (VNXe3200). For a list of compatible tape drives and libraries, see EMC's device support matrices. TYPE=tar backups are not recommended with this device. For more information, see <http://www.veritas.com/docs/000095049.>
VNXe series	VNXe Operating Environment v2.0	Remote, 3-way	Yes	Yes	Yes	All models in the EMC VNXe Series are supported (VNXe3100, VNXe3150, VNXe3300). For a list of compatible tape drives and libraries, see EMC's device support matrices. TYPE=tar backups are not recommended with this device. For more information, see <http://www.veritas.com/docs/000095049.>

EMC

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
VNX series	VNX File 7.0, VNX File 7.1	Direct-attach, Remote, 3-way	Yes	Yes	Yes	<p>All models in the EMC VNX Series are supported (VNX5100, VNX5300, VNX5500, VNX5700, VNX7500).</p> <p>For a list of compatible tape drives and libraries, see EMC's device support matrices.</p> <p>TYPE=tar backups are not recommended with this device. For more information, see <http://www.veritas.com/docs/000095049.></p>

Hewlett Packard Enterprise

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
X9000 Network Storage Systems series	IBRIX_X9000 5.5, IBRIX_X9000 6.0	Direct-attach, Remote, 3-way	Yes	Yes	No	All models in the Hewlett Packard Enterprise X9000 Network Storage Systems family are supported (X9300, X9320, X9720).

Hitachi

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Content Platform (HCP)	HCP 4.1, HCP 5.0	Remote	Yes	Yes	No	All models in the HCP series are supported (HCP 300, HCP 500).
Data Ingestor (HDI)	FOS 2.2, FOS 3.2, FOS 4.0, FOS 5.0, FOS 6.0	Direct-attach, Remote, 3-way	Yes	Yes	No	

Hitachi

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Essential NAS Platform	Hitachi OS 6.0	Direct-attach, Remote, 3-way	Yes	Yes	Yes	
GF series	Data ONTAP 6.4, Data ONTAP 6.5, Data ONTAP 7.1	Direct-attach, Remote, 3-way	Yes	No	No	For a list of compatible tape drives and libraries, see NetApp's device support matrices. Tape drives used with the Direct-attach connection method must be dedicated to the NDMP device.
NAS Blade	Hitachi OS 02-02, Hitachi OS 03-01	Remote, 3-way	Yes	No	No	NAS Blade for TagmaStor Universal Storage Platform and Network Storage Controller.
NAS Platform (HNAS)	Hitachi NAS OS 6, Hitachi NAS OS 7, Hitachi NAS OS 8, Hitachi NAS OS 10, Hitachi NAS OS 11, Hitachi NAS OS 12	Direct-attach, Remote, 3-way	Yes	Yes	Yes	SCSI reservation is not enabled by default. Please refer to Hitachi's documentation for details on enabling this setting in an SSO configuration. Single-dot versions of the software listed are also supported. (Example: "HDS HNAS OS 11" means HDS HNAS versions 11.0, 11.1, 11.2, etc. are also supported.)
Virtual File Platform (VFP)	FOS 2.2, FOS 3.2, FOS 4.0, FOS 5.0, FOS 6.0	Direct-attach, Remote, 3-way	Yes	Yes	No	

Huawei

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
N8000 series	FileStore 5.5	Remote, 3-way	Yes	Yes	No	
S5000T series	OS 1.0	Direct-attach, Remote, 3-way	Yes	Yes	Yes	All models in the OceanStor V3 Converged Storage Series are supported (2600 V3, 5300 V3, 5500 V3, 5600 V3, 5800 V3, 6800 V3, 6900 V3, 18500 V3, 18800 V3). Requires NetBackup 7.5 or later.

IBM

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Scale Out Network Attached Storage (SONAS)	IBM OS 1.2, IBM OS 1.3, IBM OS 1.4, IBM OS 1.5	Remote, 3-way	Yes	Yes	No	Version 1.2 requires PTF2 or later.
Storwize series	IBM OS 1.3	Remote, 3-way	Yes	Yes	No	
System Storage N series	Data ONTAP 7.1, Data ONTAP 7.2, Data ONTAP 7.3, Data ONTAP 8.0 (7-Mode), Data ONTAP 8.0 (Cluster Mode), Data ONTAP 8.1 (7-Mode), Data ONTAP 8.1 (Cluster Mode)	Direct-attach, Remote, 3-way	Yes	Yes	Yes	Data ONTAP version 8.x (7-mode) supports MultiStore (vFiler) with Remote NDMP and 3-way NDMP connection methods. Data ONTAP version 8.x (7-mode) supports NetBackup Advanced Client NAS Snapshot.

Imation

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Nexsan NST2000	NestOS 3.1	Remote, 3-way	Yes	Yes	No	
Nexsan NST4000	NestOS 3.1	Remote, 3-way	Yes	Yes	No	
Nexsan NST5000	NestOS 2.1, NestOS 2.2, NestOS 3.1	Remote, 3-way	Yes	Yes	No	
Nexsan NST6000	NestOS 3.1	Remote, 3-way	Yes	Yes	No	

Isilon

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Scale-Out NAS	OneFS 3.5, OneFS 4.0, OneFS 4.5, OneFS 5.0, OneFS 5.5, OneFS 6.0, OneFS 6.5, OneFS 7.0, OneFS 7.1, OneFS 7.2, OneFS 8.0	Direct-attach, Remote, 3-way	Yes	Yes	Yes	<p>For information on OneFS version compatibility with IQ Storage, HD-Series, N-Series, S-Series, and X-Series models, see the "Isilon Supportability and Compatibility Guide" on the vendor's website.</p> <p>OneFS 4.5 and earlier versions do not support the Direct-attach NDMP connection method, Directory Direct Access Restore, or NetBackup Shared Storage Option.</p> <p>OneFS 7.2 requires NetBackup 7.5 or later.</p> <p>The EMC Isilon A100 Backup Accelerator and A100 Performance Accelerator are supported with this device.</p> <p>The Scale-Out NAS line was previously known as IQ Storage.</p>

Mirapoint

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Message Server series	MOS 4.0, MOS 4.1	Direct-attach, Remote, 3-way	No	No	No	Remote, 3-way: Supports all NetBackup-supported drives and libraries. Direct-attach: See Mirapoint's device support matrices for a list of compatible tape drives and libraries. Tape drives used with the Direct-attach connection method must be dedicated to the NDMP device.
RazorGate series	MOS 4.0, MOS 4.1	Direct-attach, Remote, 3-way	No	No	No	Remote, 3-way: Supports all NetBackup-supported drives and libraries. Direct-attach: See Mirapoint's device support matrices for a list of compatible tape drives and libraries. Tape drives used with the Direct-attach connection method must be dedicated to the NDMP device.

NEC

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
NH4a	FOS 4.0	Direct-attach, Remote, 3-way	Yes	Yes	No	
NH4b	FOS 5.0	Direct-attach, Remote, 3-way	Yes	Yes	No	
NH8a	FOS 4.0	Direct-attach, Remote, 3-way	Yes	Yes	No	
NH8b	FOS 5.0	Direct-attach, Remote, 3-way	Yes	Yes	No	
NV series	SC-LX 5.1, SC-LX 6.1, SC-LX 6.2	Direct-attach, Remote, 3-way	Yes	Yes	No	Known issue with SC-LX 6.1: NV Series may not retain the original user id/group id of restored softlink files. This has been fixed in SC-LX 6.2.

NetApp

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
FAS and V series	Data ONTAP v7.1, Data ONTAP v7.2, Data ONTAP v7.3, Data ONTAP v8.0 (7-Mode), Data ONTAP v8.0 (Cluster-Mode), Data ONTAP v8.1 (7-Mode), Data ONTAP v8.1 (Cluster-Mode), Data ONTAP v8.2 (7-Mode), Data ONTAP v8.2 (Cluster-Mode), Data ONTAP v8.3 (Clustered), Data ONTAP v9.0	Direct-attach, Remote, 3-way	Yes	Yes	Yes	<p>Data ONTAP versions 8.0 - 8.2 (7-mode) support MultiStore (vFiler) with Remote NDMP and 3-way NDMP connection methods.</p> <p>Data ONTAP versions 8.0 - 8.2 (7-mode) support NetBackup Advanced Client NAS Snapshot.</p> <p>Data ONTAP versions 8.3 and later do not support 7-mode.</p> <p>Supports wildcard characters for backup selections lower than the volume level with all listed Data ONTAP versions except v8.x (Cluster-mode).</p> <p>The NetApp Cluster Aware Backup (CAB) NDMP extension introduced in Data ONTAP 8.2 is not supported with NetBackup 7.0 - 7.6.x. Tape devices attached to the NetApp are only supported in node-scope-mode. A backup of a vServer as an NDMP client will be a 3-way backup.</p>
GX series	Data ONTAP v10.0	Direct-attach, Remote, 3-way	Yes	No	Yes	Does not support Auto Discovery. To manually configure this device, please see http://www.veritas.com/docs/000027113 .

Nexenta

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
NexentaStor	NexentaStor 3.1.5, NexentaStor 4.0.3	Direct-attach, Remote, 3-way	Yes	Yes	Yes	NexentaStor 4.0.3 software requires fix pack 3 or later.

ONStor

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Bobcat 2200 / Cheetah 4400 Series NAS Gateway	EverON 1.2	Direct-attach, Remote, 3-way	Yes	No	Yes	Supports the NetBackup Advanced Client NAS Snapshot functionality.
Cougar 3000/6000 Series NAS Gateway	EverON 4.0	Direct-attach, Remote, 3-way	Yes	Yes	No	For information regarding invalid paths, see <http://www.symantec.com/docs/TECH78187.>

Oracle

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Axiom series	Pillar OS 2.3, Pillar OS 3.2, Pillar OS 4.0	Direct-attach, Remote	Yes	Yes	No	Tape drives used with the Direct-attach connection method must be dedicated to the NDMP device. Version 2.3 does not support Directory Direct Access Restore or NetBackup Shared Storage Option.
Solaris Server (SPARC and x86-64)	Solaris 11	Direct-attach, Remote, 3-way	Yes	Yes	Yes	
StorageTek 5xxx NAS series	Oracle OS 4.2	Direct-attach, Remote, 3-way	Yes	No	No	All models in the Sun StorageTek 5xxx NAS family are supported (5210 Appliance, 5220 Appliance, 5310 Appliance and Gateway, 5320 Appliance, Cluster and Gateway). Tape drives used with the Direct-attach connection method must be dedicated to the NDMP device.
ZFS Storage Appliance series	Oracle OS 2011.04.24, Oracle OS 2013.06.05	Direct-attach, Remote, 3-way	Yes	Yes	Yes	All models in the ZFS Storage 7000 (7x10 and 7x20) and ZS (ZS3-x and ZS4-x) Unified Storage System families are supported.

Stratus Technologies

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
V Series	OpenVOS 17.0, OpenVOS 17.1	Remote	Yes	Yes	No	

Veritas

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
FileStore	FileStore 5.5, FileStore 5.6	Remote	Yes	Yes	No	Veritas FileStore NDMP module must be at version 5.5.0 or later.

Encryption and Security Solutions

Encryption and security solution support information is listed below, organized by solution type.

The following listings do not include specific operating system compatibility. For a list of supported NetBackup Media Server platforms, refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at [<http://www.veritas.com/docs/000040842.>](http://www.veritas.com/docs/000040842)

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NetBackup Key Management Service (KMS)

The NetBackup Key Management Service (KMS) feature is intended to support any tape drive with built-in hardware encryption capability that conforms to the SCSI T10 encryption standard. Each drive model listed in the following table has been tested in Veritas labs to verify that it works with NetBackup correctly, so Veritas recommends using only listed drives with the KMS feature. Refer to the [Tape Drives](#) section in this document for the list of platforms and interfaces on which each of the following drives is supported.

Note: KMS is supported on any tape library supported by NetBackup, provided the library vendor supports that library with any of the encryption-capable drives listed in the table below.

NetBackup KMS - Supported Devices

Manufacturer	Model	Notes
Dell	PowerVault LTO4-120	
Dell	PowerVault LTO5-140	Requires NetBackup Release Update 7.0.1 or later.
Hewlett Packard Enterprise	Ultrium 1760 LTO4	
Hewlett Packard Enterprise	Ultrium 1840 LTO4	
Hewlett Packard Enterprise	Ultrium 3000 LTO5	Requires NetBackup Release Update 7.0.1 or later.
Hewlett Packard Enterprise	Ultrium 3280 LTO5	Requires NetBackup Release Update 7.0.1 or later.
Hewlett Packard Enterprise	Ultrium 6250 LTO6	Requires NetBackup Release Update 7.0.1 or later.

NetBackup KMS - Supported Devices

Manufacturer	Model	Notes
Hewlett Packard Enterprise	Ultrium 6650 LTO6	Requires NetBackup Release Update 7.0.1 or later.
Hewlett Packard Enterprise	Ultrium 15000 LTO7	Requires NetBackup 7.5 or later.
Hewlett Packard Enterprise	Ultrium 15750 LTO7	Requires NetBackup 7.5 or later.
IBM	System Storage TS1040 Ultrium 4	Requires firmware version 7BG2 or later.
IBM	System Storage TS1050 Ultrium 5	Requires NetBackup Release Update 7.0.1 or later.
IBM	System Storage TS1060 Ultrium 6	Requires NetBackup Release Update 7.0.1 or later.
IBM	System Storage TS1070 Ultrium 7	Requires NetBackup 7.5 or later.
IBM	System Storage TS1120 (3592 Model E05)	Requires firmware version 1C15 or later.
IBM	System Storage TS1130 (3592 Model E06)	Requires firmware version 2480 or later.
IBM	System Storage TS1140 (3592 Model E07)	
IBM	System Storage TS1150 (3592 Model E08)	
IBM	System Storage TS2240 Ultrium 4 Half Height	
IBM	System Storage TS2250 Ultrium 5 Half Height	Requires NetBackup Release Update 7.0.1 or later.
IBM	System Storage TS2260 Ultrium 6 Half Height	Requires NetBackup Release Update 7.0.1 or later.
IBM	System Storage TS2270 Ultrium 7 Half Height	Requires NetBackup 7.5 or later.
IBM	System Storage TS2340 Ultrium 4	Requires firmware version 7BG2 or later.
IBM	System Storage TS2350 Ultrium 5	Requires NetBackup Release Update 7.0.1 or later.
IBM	System Storage TS2360 Ultrium 6	Requires NetBackup Release Update 7.0.1 or later.
IBM	System Storage TS2370 Ultrium 7	Requires NetBackup 7.5 or later.
IBM	Ultrium 4 (OEM)	Requires firmware version 7BG2 or later.
IBM	Ultrium 4 Half Height (OEM)	
IBM	Ultrium 5 (OEM)	Requires NetBackup Release Update 7.0.1 or later.
IBM	Ultrium 5 Half Height (OEM)	Requires NetBackup Release Update 7.0.1 or later.
IBM	Ultrium 6 (OEM)	Requires NetBackup Release Update 7.0.1 or later.
IBM	Ultrium 6 Half Height (OEM)	Requires NetBackup Release Update 7.0.1 or later.
IBM	Ultrium 7 (OEM)	Requires NetBackup 7.5 or later.

NetBackup KMS - Supported Devices

Manufacturer	Model	Notes
IBM	Ultrium 7 Half Height (OEM)	Requires NetBackup 7.5 or later.
Oracle StorageTek	T10000B	Requires firmware version 1.41.211 or later.
Oracle StorageTek	T10000C	Requires firmware version 1.53.311 or later. The drive needs manual setup including obtaining the data path key management (DPKM) encryption license from Oracle.
Oracle StorageTek	T10000D	
Quantum	LTO-4 HH	Requires firmware version 2190 or later.
Quantum	LTO-5 FH	Requires NetBackup Release Update 7.0.1 or later.
Quantum	LTO-5 HH	Requires NetBackup Release Update 7.0.1 or later.
Quantum	LTO-6 HH	Requires NetBackup Release Update 7.0.1 or later.
Quantum	LTO-7 HH	Requires NetBackup 7.5 or later.
Tandberg	HH LTO 5	Requires NetBackup Release Update 7.0.1 or later.

NetBackup Media Server Encryption Option (MSEO)

The NetBackup Media Server Encryption Option (MSEO) feature supports the tape drive models listed in the following table. For a list of NetBackup Media Server platforms that support MSEO, refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842>. Refer to the [Tape Drives](#) section in this document for the list of platforms on which each of the following drives is supported.

NetBackup MSEO - Supported Devices

Manufacturer	Models	Interface	Notes
Dell	PV132T LTO3, PowerVault LTO5-140 FH	Fibre Channel	
Dell	PV110T LTO2, PV110T SDLT320, PV122T LTO2, PV122T SDLT320, PV132T LTO2, PV132T LTO3, PV132T SDLT320, PV136T LTO2, PV136T LTO3, PV136T SDLT320	SCSI	
Hewlett Packard Enterprise	Ultrium 460 LTO2, Ultrium 960 LTO3, Ultrium 1760 LTO4, Ultrium 1840 LTO4, Ultrium 3000 LTO5, Ultrium 3280 LTO5, Ultrium 6250 LTO6, Ultrium 6650 LTO6	Fibre Channel	

NetBackup MSEO - Supported Devices

Manufacturer	Models	Interface	Notes
Hewlett Packard Enterprise	SDLT320 (Compaq), SDLT600, Ultrium 448 LTO2, Ultrium 460 LTO2, Ultrium 920 LTO3, Ultrium 960 LTO3, Ultrium 1760 LTO4, Ultrium 1840 LTO4	SCSI	
IBM	System Storage TS1030 Ultrium 3, System Storage TS1040 Ultrium 4, System Storage TS1050 Ultrium 5, System Storage TS1060 Ultrium 6, System Storage TS1120 (3592 Model E05), System Storage TS2340 Ultrium 4, System Storage TS2350 Ultrium 5, System Storage TS2360 Ultrium 6, TotalStorage 3580 Ultrium 2, TotalStorage 3580 Ultrium 3, TotalStorage 3590E Series, TotalStorage 3590H Series, TotalStorage 3592 Model J1A, Ultrium 2 (OEM), Ultrium 3 (OEM), Ultrium 4 (OEM), Ultrium 5 (OEM), Ultrium 6 (OEM)	Fibre Channel	
IBM	System Storage T800V Ultrium 3 Half Height, System Storage TS2230 Ultrium 3 Half Height, System Storage TS2340 Ultrium 4, TotalStorage 3580 Ultrium 2, TotalStorage 3580 Ultrium 3, TotalStorage 3590B Series, TotalStorage 3590E Series, TotalStorage 3590H Series, Ultrium 2 (OEM), Ultrium 3 (OEM), Ultrium 4 (OEM)	SCSI	
Oracle	T10000D	Fibre Channel	Refer to the "Managing Tape Blocks" section of the NetBackup MSEO Administrator's Guide for maximum blocksize considerations with these drives.
Quantum	LTO-3 HH, SDLT 600	Fibre Channel	
Quantum	CL 400 LTO Ultrium 2 (Certance), CL 400H LTO Ultrium 2 (Certance), CL 800 LTO Ultrium 3 (Certance), LTO-2, LTO-2 HH, LTO-3, LTO-3 HH, SDLT 320, SDLT 600	SCSI	
Sony	SDZ-130 (SAIT), SDZ-230 (SAIT-2)	Fibre Channel	
Sony	SDZ-100 (SAIT), SDZ-200 (SAIT-2)	SCSI	
StorageTek	T9840A, T9840B, T9840C, T9940A, T9940B, T10000A, T10000A 4GB, T10000D	Fibre Channel	Refer to the "Managing Tape Blocks" section of the NetBackup MSEO Administrator's Guide for maximum blocksize considerations with these drives.
StorageTek	T9840A, T9840B, T9940A	SCSI	Refer to the "Managing Tape Blocks" section of the NetBackup MSEO Administrator's Guide for maximum blocksize considerations with these drives.
Sun	StorEdge LTO3	Fibre Channel	
Sun	LTO3 HH, StorEdge LTO2, StorEdge LTO3, StorEdge SDLT 320	SCSI	

NetBackup MSEO - Supported Devices

Manufacturer	Models	Interface	Notes
Tandberg	SDLT 320	SCSI	

NetBackup Client Encryption

NetBackup Client Encryption is compatible with all disk storage units (DSU), tape drives, tape libraries, and virtual tape libraries supported by NetBackup.

Note: Any DSU type supported by NetBackup can be used with client encryption, although encryption prevents deduplication by Media Server Dedupe, OpenStorage devices, or VTLs.

NetBackup Client Encryption is supported on all NetBackup client platforms except NetWare and OpenVMS, and is not supported with BMR or SAN client.

Third-Party Encryption Solutions

Support information for vendor-supplied encryption solutions is listed below, organized by vendor. Under each vendor there is a table showing tested solutions, firmware versions tested with that solution, and other important notes about the solution and its compatibility.

The firmware listed in these tables is the firmware that has been tested. Firmware versions newer than those listed are also supported.

Support for specific storage devices such as tape drives, libraries, and virtual devices is not listed in this section. NetBackup will support any hardware that is supported both by the encryption provider and Veritas. Please refer to the other sections of this document for Veritas' support of these storage devices.

Please Note:

The firmware listed on this page is the firmware that has been tested. All firmware versions newer than what is listed are also supported.

Third-Party Encryption Solutions - Vendor Compatibility

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<u>Brocade</u>	<u>Cisco Systems</u>	<u>Decru</u>
<u>Fujitsu</u>	<u>Hewlett Packard Enterprise</u>	<u>IBM</u>
<u>NEC</u>	<u>Quantum</u>	<u>SafeNet</u>
<u>Sun StorageTek</u>	<u>Thales (NeoScale)</u>	

Brocade

Model	Version	Notes
Brocade Encryption Switch	7.1.0a	Support for Fibre Channel switch-based encryption. Qualified with SafeNet KeySecure encryption key management. NetBackup does not interact with the key management or the encryption process.

Cisco Systems

Model	Version	Notes
MDS9222i	SME 3.2.3	Support for Storage Media Encryption (SME) fabric service. NetBackup does not interact with the key management or the encryption process.

Decru

Model	Version	Notes
DataFort FC1020	2.0-MP	The firmware listed for this device is the version that was tested. All 2.x firmware versions are also supported.
DataFort FC520 V2	2.0-MP, 2.1.0.2	The firmware listed for this device is the version that was tested. All 2.x firmware versions are also supported.
DataFort FC525 V2	2.0-MP	The firmware listed for this device is the version that was tested. All 2.x firmware versions are also supported.

Fujitsu

Model	Version	Notes
LT220-embedded encryption key management function	0006	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
LT230-embedded encryption key management function	0005	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.

Fujitsu

Model	Version	Notes
LT250-embedded encryption key management function	V20L50	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
LT260-embedded encryption key management function	6.62	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
LT270-embedded encryption key management function	V40L50	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
LT270 S2-embedded encryption key management function	V10L10	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.

Hewlett Packard Enterprise

Model	Version	Notes
1/8 G2 & MSL G3 Encryption Kit	2.30, 2.80 (1/8 G2), 4.20, 4.70 (MSL2024), 6.50, 7.00 (MSL4048), 8.90, 9.60 (MSL8048/MSL8096)	Support for library-based encryption solution. NetBackup does not interact with the key management or the encryption process.
Enterprise Secure Key Manager	4.8.9	Support for Enterprise Secure Key Manager (ESKM) appliance. Refer to the vendor's site for supported library and drive models. NetBackup does not interact with the key management or the encryption process.
Secure Key Manager 1.0	4.7.1	Support for Secure Key Manager appliance. Refer to the vendor's site for supported library and drive models. NetBackup does not interact with the key management or the encryption process.
Secure Key Manager 1.1	4.8.1	Support for Secure Key Manager appliance. Refer to the vendor's site for supported library and drive models. NetBackup does not interact with the key management or the encryption process.

IBM

Model	Version	Notes
Encryption Key Manager	20060816, 20070503	Support for library-based Internal Label Encryption Policy (ILEP) for NetBackup. Refer to the vendor's site for supported library and drive models. NetBackup does not interact with the key management or the encryption process.
Tivoli Key Lifecycle Manager (TKLM)	2.0	Support for library-based encryption solution. Refer to the vendor's site for supported library and drive models. NetBackup does not interact with the key management or the encryption process.

NEC

Model	Version	Notes
T16A2-embedded encryption key management function	0006	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
T30A-embedded encryption key management function	0002	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
T40A2-embedded encryption key management function	0005	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
T60A-embedded encryption key management function	0002	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
T100A-embedded encryption key management function	V20L50	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
T100A2-embedded encryption key management function	V20L50	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
T700A-embedded encryption key management function	V40L50	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.
T700A2-embedded encryption key management function	V10L10	Support for library-based encryption solution. Refer to the vendor's site for supported drive models. NetBackup does not interact with the key management or the encryption process.

Quantum

Model	Version	Notes
Encryption Key Manager	2.1_007	Support for library-based encryption solution. Refer to the vendor's site for supported library and drive models. NetBackup does not interact with the key management or the encryption process.
Scalar Key Manager Appliance	100Q.GC00800	Support for library-based encryption solution. Refer to the vendor's site for supported library and drive models. NetBackup does not interact with the key management or the encryption process.

SafeNet

Model	Version	Notes
KeySecure	6.3.0	Support for encryption key management. Qualified with Brocade Encryption Switch. NetBackup does not interact with the key management or the encryption process.

Sun StorageTek

Model	Version	Notes
Crypto Key Management System	1.6.0, 2.0, 2.2	Support for Crypto Key Management appliance. Refer to the vendor's site for supported library and drive models. NetBackup does not interact with the key management or the encryption process.

Thales (NeoScale)

Model	Version	Notes
CryptoStor FC702	fc-2.4.0	
CryptoStor FC704	fc-2.4.0	
CryptoStor FC712	fc-2.4.0	
CryptoStor SC702	fc-2.4.0	

Symantec Security Information Manager

NetBackup Client is supported with Symantec Security Information Manager (SSIM) v4.8 and later.

For more information on SSIM, see <https://support.symantec.com/en_US/dpl.52517.html>

Fibre Transport Media Server HBAs

This section lists Fibre Channel host bus adapters (HBAs) that have been tested and are supported with the NetBackup Fibre Transport (FT) feature in a Fibre Transport Media Server. This information is organized by vendor and provides information on what operating systems have been tested with each Fibre Channel HBA model. The NetBackup Fibre Transport feature requires loading the FT HBA with firmware contained on the NetBackup distribution media, so only the HBAs listed below will work with this feature.

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Considerations](#)

[Fibre Transport Media Server -
Supported Platforms](#)

[Fibre Transport Media Server -
Vendor Compatibility](#)

Fibre Transport Media Server - Considerations

Subject	Notes
Support assumptions	1. A NetBackup SAN Client supports any HBA and is used in conjunction with a NetBackup Fibre Transport Media Server. The HBA support model for NetBackup SAN Client is an "OPEN" model. All host bus adapters (HBA), switches, bridges, and routers are supported in a SAN environment. This means that if a Fibre Channel component is causing a problem, Veritas will work with the component vendor in an attempt to resolve the problem, but resolution is not guaranteed. Veritas and most hardware vendors listed are members of TSANet.
Vendor support considerations	1. The SAN Client feature is compatible with the Sun SPARC Enterprise M-Series server architecture, but with limited functionality with regard to Fibre Transport Media Server deployment: <ul style="list-style-type: none">- Support is limited to a maximum of one target mode Fibre Channel HBA in an M-Series server.- Quad-port target mode Fibre Channel HBAs are not supported in an M-Series server.
Configuration considerations	1. For SAN Client implementations with NetBackup Appliance and SLES 10 clients using QLogic FC HBAs (or rebadged QLogic FC HBAs), Veritas recommends upgrading the HBA driver on the client to version 8.03.07.03.10.3-k or later.

Fibre Transport Media Server - Supported Platforms

Linux FT Media Servers are supported on the platforms listed in the following table along with the NetBackup release at which the platform was first supported. Other RHEL and SLES versions are not supported as an FT Media Server.

Operating System	Supported Versions	Minimum NetBackup Release Supported	Notes
Oracle Solaris 10 on SPARC	GA or later	7.0 GA	

Operating System	Supported Versions	Minimum NetBackup Release Supported	Notes
Red Hat Enterprise Linux 4 on x86-64	Update 3, Update 5	7.0 GA - Note: Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later.	
Red Hat Enterprise Linux 5 on x86-64	GA, Update 2, Update 3	7.0 GA	
Red Hat Enterprise Linux 5 on x86-64	Update 4, Update 5, Update 6, Update 7	7.0 GA	Supported with the procedure documented in KB Article http://www.veritas.com/docs/000039441 .
Red Hat Enterprise Linux 6 on x86-64	GA	7.5 GA	
Red Hat Enterprise Linux 6 on x86-64	Update 1	7.5 GA	Supported with the procedure documented in KB Article http://www.veritas.com/docs/000039441 .
Red Hat Enterprise Linux 6 on x86-64	Update 3	7.5.0.6	Supported with the procedure documented in KB Article http://www.veritas.com/docs/000039441 .
Red Hat Enterprise Linux 6 on x86-64	Update 5	7.6.0.3	
Red Hat Enterprise Linux 6 on x86-64	Update 6	7.6.0.4	
Red Hat Enterprise Linux 6 on x86-64	Update 7	7.6.1	
SuSE Linux Enterprise Server 10 on x86-64	SP2	7.0 GA	
SuSE Linux Enterprise Server 10 on x86-64	SP3	7.1 GA	
SuSE Linux Enterprise Server 10 on x86-64	SP4	7.6 GA	
SuSE Linux Enterprise Server 11 on x86-64	SP3	7.6.0.2	

Fibre Transport Media Server - Vendor Compatibility

Contents

<u>Dell</u>	<u>EMC</u>	<u>Hewlett Packard Enterprise</u>
<u>Hitachi</u>	<u>IBM</u>	<u>Oracle</u>
<u>QLogic</u>	<u>Sun</u>	

Dell

Dell - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
F641C [1]	PCIe	4, 5, 6	10, 11
H144C [1] [2]	PCIe	4, 5, 6	10, 11
QME2472	PCIe	4	10

1. Requires NetBackup 7.1 or later.
2. Please see Technical Solution Article <<http://www.veritas.com/docs/000013083>>

EMC

EMC - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
QLE2560-E [1]	PCIe	4, 5, 6	10, 11
QLE2562-E [1] [2]	PCIe	4, 5, 6	10, 11

1. Requires NetBackup 7.1 or later.

2. Please see Technical Solution Article <<http://www.veritas.com/docs/000013083>>

Hewlett Packard Enterprise

Hewlett Packard Enterprise - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
AJ764A [1] [2]	PCIe	4, 5, 6	10, 11
AK344A [2]	PCIe	4, 5, 6	10, 11
FC1142SR	PCIe	5	10
FC1143	PCI-X	5	10
FC1242SR DC	PCIe	5	10
FC1243	PCI-X	5	10
FCA2214	PCI-X	4, 5	10
FCA2214DC	PCI-X	4, 5	10
QMH2462-HP-BK	PCIe	4, 5	10
QMH2562-HP-BK	PCIe	5, 6	10, 11
QMH2572-HP-SP	PCIe	5, 6	10, 11

1. Please see Technical Solution Article <<http://www.veritas.com/docs/000013083>>

2. Requires NetBackup 7.1 or later.

Hitachi

Hitachi - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
QLE2560-CK [1]	PCle	4, 5, 6	10, 11
QLE2562-CK [1] [2]	PCle	4, 5, 6	10, 11

1. Requires NetBackup 7.1 or later.

2. Please see Technical Solution Article <<http://www.veritas.com/docs/000013083>>

IBM

IBM - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
42D0501 [1]	PCIe	4, 5, 6	10, 11
42D0510 [1] [2]	PCIe	4, 5, 6	10, 11

1. Requires NetBackup 7.1 or later.

2. Please see Technical Solution Article <<http://www.veritas.com/docs/000013083>>

Oracle

Oracle - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
SG-XPCiE1FC-QF8-N [1]	PCle	4, 5, 6	10, 11
SG-XPCiE2FC-QF8-N [1] [2]	PCle	4, 5, 6	10, 11

1. Requires NetBackup 7.1 or later.

2. Please see Technical Solution Article <<http://www.veritas.com/docs/000013083>>

Oracle - Support with UNIX

Device Family	Bus Type	Solaris on SPARC
SG-XPCiE1FC-QF8-N [1]	PCle	10
SG-XPCiE2FC-QF8-N [1] [2]	PCle	10

1. Requires NetBackup 7.1 or later.

2. Please see Technical Solution Article <<http://www.veritas.com/docs/000013083>>

QLogic

QLogic - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
QLE2400 series	PCIe	4, 5	10
QLE2500 series [1] [2]	PCIe	4, 5, 6	10, 11
SANblade 23xx series [3]	PCI, PCI-X, SBUS, cPCI	4, 5 [4]	10
SANblade 24xx series	PCI-X, PCIe	4, 5	10

1. Please see Technical Solution Article [<http://www.veritas.com/docs/000013083.>](http://www.veritas.com/docs/000013083)
2. Requires NetBackup 7.1 or later.
3. Fibre Transport Media Server is only supported with the QLA2340, QLA2342, and QLA2344 members of this family.
4. Red Hat Enterprise Linux 4 requires Update 3 for the Fibre Transport target mode driver. Other Updates of Red Hat EL 4 will not allow the target mode driver to be used with the host bus adapter.

QLogic - Support with UNIX

Device Family	Bus Type	Solaris on SPARC
QLE2400 series	PCIe	10
QLE2500 series [1] [2]	PCIe	10
SANblade 23xx series [3]	PCI, PCI-X, SBUS, cPCI	10
SANblade 24xx series	PCI-X, PCIe	10

1. Please see Technical Solution Article [<http://www.veritas.com/docs/000013083.>](http://www.veritas.com/docs/000013083)
2. Requires NetBackup 7.1 or later.
3. Fibre Transport Media Server is only supported with the QLA2340, QLA2342, and QLA2344 members of this family.

QLogic - Family Membership

Device Family	Members
QLE2400 series	QLE2440, QLE2460, QLE2462, QLE2464, QME2462, QMI2572
QLE2500 series	QLE2560, QLE2562, QLE2562-S, QLE2564, QME2572, QMH2562, QMH2572, QMI2582, QMI3572
SANblade 23xx series	QCP2332, QCP2340, QLA2300, QLA2302, QLA2310, QLA2332, QLA2340, QLA2340C, QLA2342, QLA2344, QSB2340, QSB2342
SANblade 24xx series	QLA2440, QLA2460, QLA2462

Sun

Sun - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
SG-XPCI1FC-QF4	PCI	4, 5	10
SG-XPCI1FC-QL2	PCI-X	4, 5	10
SG-XPCI2FC-QF2 (X6768A)	PCI-X	4, 5	10
SG-XPCI2FC-QF4	PCI-X	4, 5	10
SG-XPCIE1FC-QF4	PCle	4, 5	10
SG-XPCIE2FC-QF4	PCle	4, 5	10

Sun - Support with UNIX

Device Family	Bus Type	Solaris on SPARC
SG-XPCI1FC-QF4	PCI	10
SG-XPCI1FC-QL2	PCI-X	10
SG-XPCI2FC-QF2 (X6768A)	PCI-X	10
SG-XPCI2FC-QF4	PCI-X	10
SG-XPCIE1FC-QF4	PCle	10
SG-XPCIE2FC-QF4	PCle	10

Optical Software

NetBackup supports third party software for backups to optical drives and libraries. The software makes an optical drive or library appear as a pseudo disk device. A NetBackup policy is created that writes to a Disk Storage Unit managed by the software. The following subsections show the software currently supported by NetBackup.

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[Pegasus InveStore](#)

[QStar HSM](#)

Pegasus InveStore

NetBackup 7.0 through 7.5.x supports Pegasus InveStore software for backups to optical drives and libraries with Windows 2003 x86 32-bit media servers. The list of optical drives and libraries that are supported by the InveStore software is available at <http://www.pegasus-afs.com/Products/hardware.htm> The list covers Blu-ray, DVD, MO and UDO WORM and Rewriteable drives and libraries from a wide range of vendors.

For additional information on using NetBackup with InveStore, refer to <http://www.veritas.com/docs/000029071>.

Software	Microsoft Windows Server 2003 32-bit OS [1] [2]
Pegasus InveStore	Enterprise Edition

1. Where support is shown for "Microsoft Windows Server 2003 Enterprise Edition" it is implied that the other editions of Windows Server 2003, Windows Server 2003 R2, and Windows Storage Server 2003 are supported.

2. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later.

QStar HSM

NetBackup 7.0 through 7.6.x supports QStar HSM software for backups to optical drives and libraries on the operating systems listed in the table below. The list of optical drives and libraries that are supported by the QStar software is available at <http://www.qstar.com/support/supported-hw-list/>

Software	Hewlett Packard Enterprise HP-UX	IBM AIX	Microsoft Windows Server 2003 [1]	Red Hat Enterprise Linux	Sun Solaris
QStar HSM	11.11, 11.23_PA-RISC	5.3	Enterprise Edition	4_x86-64, 5_x86-64	10_SPARC, 10_x64

1. Where support is shown for "Microsoft Windows Server 2003 Enterprise Edition" it is implied that the other editions of Windows Server 2003, Windows Server 2003 R2, and Windows Storage Server 2003 are supported.

Infrastructure Used for Testing

The NetBackup Shared Storage Option (SSO) hardware support model for Storage Area Network (SAN) components is an open model. In other words, all Fibre Channel over Ethernet (FCoE) converged network adapters (CNA), Fibre Channel (FC) host bus adapters (HBA), switches, bridges, and routers are supported in a SAN environment. This means that if a FCoE or FC component is causing a problem, Veritas will work with the component vendor in an attempt to resolve the problem, but resolution is not guaranteed. Veritas and most hardware vendors listed are members of TSANet.

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Infrastructure - Considerations

Subject	Notes
Vendor support considerations	1. To ensure compatibility, the device manufacturers and the operating system vendor must support the combination of SAN components.

CNAs

This list of SAN components represents equipment that has been used during NetBackup qualification testing of devices listed in previous sections of this document. It is not intended to be a list of supported components.

CNAs - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at <http://www.veritas.com/docs/000040842.></p> <ol style="list-style-type: none"> 1. Where support is shown for "Windows Server 2003 Enterprise Edition" it also means that the other editions of Windows Server 2003, Windows Server 2003 R2, and Windows Storage Server 2003 are supported. 2. Where support is shown for "Windows Server 2008 Enterprise Edition" it also means that the other editions of Windows Server 2008 and Windows Server 2008 R2 are supported. Only the x64 (64-bit) editions of the OS are supported as a NetBackup Media Server. Server Core Installation Option is not supported as a NetBackup Media Server. 3. Where support is shown for "Windows Server 2012 Datacenter" it also means that the other editions of Windows Server 2012, Windows Storage Server 2012, Windows Server 2012 R2, and Windows Storage Server 2012 R2 are supported. 4. Where support is shown for "Red Hat Enterprise Linux 4 on x86-64" it also means that Asianux 2, Oracle Linux 4, and Red Flag 5 are supported. 5. Where support is shown for "Red Hat Enterprise Linux 5 on x86-64" it also means that Asianux 3, CentOS 5, and Oracle Linux 5 are supported. 6. Where support is shown for "Red Hat Enterprise Linux 6 on x86-64" it also means that CentOS 6 and Oracle Linux 6 are supported. 7. Where support is shown for "Red Hat Enterprise Linux 7 on x86-64" it also means that CentOS 7 is also supported. 8. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.
Vendor support considerations	<ol style="list-style-type: none"> 1. Consult the hardware vendor's web site for current firmware and driver updates (where applicable).
Configuration considerations	<ol style="list-style-type: none"> 1. All like CNAs within a SAN should use the same firmware, BIOS and driver revision as recommended by CNA vendors.
Operating system support added	<ol style="list-style-type: none"> 1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

Infrastructure - CNAs Used In Testing

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[Emulex](#)

[Hewlett Packard Enterprise](#)

[QLogic](#)

Emulex

Emulex - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 x64
OneConnect OCe11000 series (FCoE BE3 ASIC)	PCIe	Enterprise Edition

Emulex - Family Membership

Device Family	Members
OneConnect OCe11000 series (FCoE BE3 ASIC)	OCe11102 (FCoE)

Hewlett Packard Enterprise

Hewlett Packard Enterprise - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
554FLR	PCIe	No	No	Datacenter	No	No
CN1100E	PCIe	Enterprise Edition	Enterprise Edition	No	5	11

QLogic

QLogic - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64
QLE8100 series (FCoE)	PCle	Enterprise Edition	Enterprise Edition	No
QLE8200 series (FCoE)	PCle	No	No	Enterprise Edition

QLogic - Family Membership

Device Family	Members
QLE8100 series (FCoE)	QLE8140 (FCoE), QLE8142 (FCoE), QLE8150 (FCoE), QLE8152 (FCoE)
QLE8200 series (FCoE)	QLE8240 (FCoE), QLE8242 (FCoE)

HBAs

This list of SAN components represents equipment that has been used during NetBackup qualification testing of devices listed in previous sections of this document. It is not intended to be a list of supported components.

HBAs - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the NetBackup Enterprise Server and Server 7.0 - 7.6.x OS Software Compatibility List at ">http://www.veritas.com/docs/000040842.></p> <ol style="list-style-type: none"> 1. Where support is shown for "Windows Server 2003 Enterprise Edition" it also means that the other editions of Windows Server 2003, Windows Server 2003 R2, and Windows Storage Server 2003 are supported. 2. Where support is shown for "Windows Server 2008 Enterprise Edition" it also means that the other editions of Windows Server 2008 and Windows Server 2008 R2 are supported. Only the x64 (64-bit) editions of the OS are supported as a NetBackup Media Server. Server Core Installation Option is not supported as a NetBackup Media Server. 3. Where support is shown for "Windows Server 2012 Datacenter" it also means that the other editions of Windows Server 2012, Windows Storage Server 2012, Windows Server 2012 R2, and Windows Storage Server 2012 R2 are supported. 4. Where support is shown for "Red Hat Enterprise Linux 4 on x86-64" it also means that Asianux 2, Oracle Linux 4, and Red Flag 5 are supported. 5. Where support is shown for "Red Hat Enterprise Linux 5 on x86-64" it also means that Asianux 3, CentOS 5, and Oracle Linux 5 are supported. 6. Where support is shown for "Red Hat Enterprise Linux 6 on x86-64" it also means that CentOS 6 and Oracle Linux 6 are supported. 7. Where support is shown for "Red Hat Enterprise Linux 7 on x86-64" it also means that CentOS 7 is also supported. 8. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.
Vendor support considerations	<ol style="list-style-type: none"> 1. All like HBAs within a SAN should use the same firmware, BIOS and driver revision as recommended by HBA vendors. 2. Consult the hardware vendor's web site for current firmware and driver updates (where applicable).
Operating system support added	<ol style="list-style-type: none"> 1. Solaris 11 (on SPARC and on x86-64) is supported as a media server with NetBackup 7.1 and later. 2. Windows Server 2012 and Windows Storage Server 2012 are supported as a media server with NetBackup 7.6 and later. 3. Windows Server 2012 R2 and Windows Storage Server 2012 R2 are supported as a media server with NetBackup 7.6.0.3 and later. 4. Red Hat Enterprise Linux 7 is supported as a media server with NetBackup 7.6.1.1 and later. 5. SuSE Linux Enterprise Server 12 is supported as a media server with NetBackup 7.6.1.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> 1. Red Hat Enterprise Linux 4 is not supported as a media server with NetBackup 7.5 and later. 2. Red Flag 4 and 5 are not supported as a media server with NetBackup 7.5 and later. 3. AIX 5.3 is not supported as a media server with NetBackup 7.6 and later. 4. Windows Server 2003 32-bit OS is not supported as a media server with NetBackup 7.6 and later. 5. HP-UX PA-RISC 11.11, 11.23, and 11.31 are not supported as a media server with NetBackup 7.6.1 and later.

Infrastructure - HBAs Used In Testing

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<u>ATTO</u>	<u>Brocade</u>	<u>Emulex</u>
<u>Hewlett Packard Enterprise</u>	<u>Hitachi</u>	<u>IBM</u>
<u>LSI Logic</u>	<u>QLogic</u>	<u>Sun</u>

ATTO

ATTO - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 32-bit OS
FC-21PS	PCI	Enterprise Edition
FC-22XH	PCI-X	Enterprise Edition
FC-42XS	PCI-X	Enterprise Edition
FC-44ES	PCIe	Enterprise Edition

Brocade

Brocade - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
42B	PCIe	No	Enterprise Edition	No	No	No
415	PCIe	Enterprise Edition	No	No	No	No
425	PCIe	Enterprise Edition	No	Datacenter	No	No
815	PCIe	No	No	No	6	No
825	PCIe	Enterprise Edition	Enterprise Edition	Datacenter	5, 6	10, 11
1860 (FC)	PCIe	No	No	Datacenter	7	12

Emulex

Emulex - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
LP10xxx / 105x series (Thor ASIC)	PCI, PCI-X, PCIe	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5	10, 11
LP90xx / 94xx / 95x series (Centaur ASIC)	PCI, PCI-X, SBUS, cPCI	Enterprise Edition	Enterprise Edition	No	No	4, 6	No
LP98xx / 98x series (Pegasus ASIC)	PCI, PCI-X	Enterprise Edition	Enterprise Edition	No	Datacenter	4, 5, 6	10, 11
LP1100x / 1150 series (Helios ASIC)	PCI-X	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10
LPe11xxx / 115x series (Zephyr ASIC)	PCIe	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10
LPe12xxx / 125x series (Saturn ASIC)	PCIe	No	Enterprise Edition	Enterprise Edition	Datacenter	5	12
LPe16xxx / 15xxx series (Lancer ASIC)	PCIe	No	No	Enterprise Edition	Datacenter	6	12

Emulex - Support with UNIX

Device Family	Bus Type	AIX on POWER	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
LP10xxx / 105x series (Thor ASIC)	PCI, PCI-X, PCIe	5.3, 6.1, 7.1	11.11	No	10	10
LP90xx / 94xx / 95x series (Centaur ASIC)	PCI, PCI-X, SBUS, cPCI	No	11.11	No	10	No
LP98xx / 98x series (Pegasus ASIC)	PCI, PCI-X	No	11.11	11.31	10	10
LP1100x / 1150 series (Helios ASIC)	PCI-X	5.3, 6.1, 7.1	No	No	10, 11	10, 11
LPe11xxx / 115x series (Zephyr ASIC)	PCIe	No	No	No	10, 11	10
LPe12xxx / 125x series (Saturn ASIC)	PCIe	No	No	No	No	10

Emulex - Family Membership

Device Family	Members
LP10xxx / 105x series (Thor ASIC)	LP101E, LP1050, LP1050DC, LP1050Ex, LP10000, LP10000DC, LP10000ExDC
LP90xx / 94xx / 95x series (Centaur ASIC)	LP952L, LP9000, LP9000s, LP9002C, LP9002DC, LP9002L, LP9002S, LP9402DC
LP98xx / 98x series (Pegasus ASIC)	LP982, LP9802, LP9802DC, LP9802S
LP1100x / 1150 series (Helios ASIC)	LP1150, LP11000, LP11000-M4, LP11002, LP11002-M4, LP12002-S
LPe11xxx / 115x series (Zephyr ASIC)	LPe111, LPe1105-M, LPe1150, LPe11000, LPe11002, LPe11002-E, LPe11002-S, LPe11004, LPem11002-S
LPe12xxx / 125x series (Saturn ASIC)	LPe1205-HP, LPe1250, LPe12000, LPe12000-E, LPe12002, LPe12002-E, LPe12002-M8, LPe12002-X8, LPe12004
LPe16xxx / 15xxx series (Lancer ASIC)	LPe15004, LPe16000-M6, LPe16000B, LPe16000B-M6, LPe16000B-M8, LPe16002-M6, LPe16002B, LPe16002B-M6, LPe16002B-M8, LPe16004, LPe16202 (FC)

Hewlett Packard Enterprise

Hewlett Packard Enterprise - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
42B	PCIe	Enterprise Edition	No	Enterprise Edition	No	5	10
82B	PCIe	No	Enterprise Edition	No	No	No	10, 11
82E	PCIe	No	Enterprise Edition	Enterprise Edition	No	6	11
451871-B21	PCIe	No	No	No	No	4	10
A7387A	PCI-X	Enterprise Edition	No	No	No	No	No
A7388A	PCI-X	Enterprise Edition	Enterprise Edition	No	No	No	No
AB232A	PCI-X	Enterprise Edition	No	No	No	No	No
AB379A	PCI-X	No	No	No	No	4	10
AB466A	PCI-X	Enterprise Edition	No	No	No	No	No
AH403A	PCIe	No	No	No	No	No	12
AJ763A	PCIe	No	No	No	Datacenter	No	No
AJ764A	PCIe	No	Enterprise Edition	Enterprise Edition	No	5	No
FC1242SR DC	PCIe	Enterprise Edition	No	No	No	No	No
FC1243	PCI-X	No	No	Enterprise Edition	No	No	No
FC2142SR	PCIe	Enterprise Edition	No	No	No	No	No
FC2243 DC	PCI-X	Enterprise Edition	Enterprise Edition	No	No	No	No
FCA2214DC	PCI-X	Enterprise Edition	No	No	No	No	No
FCA2404	PCI-X	Enterprise Edition	No	No	No	No	No

Hewlett Packard Enterprise - Support with UNIX

Device Family	Bus Type	HP-UX on PA-RISC	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
A5158A	PCI	11.11	No	No	No
A6795A	PCI	11.11, 11.23	11.31	No	No
A6826A	PCI-X	11.11, 11.23	No	No	No
A9782A/A9784A series	PCI-X	11.23	No	No	No
A9784-60002	PCI-X	11.23, 11.31	11.31	No	No
AB378B	PCI-X	11.23	No	No	No
AB379-60101	PCI-X	11.31	No	No	No
AB379A	PCI-X	11.11, 11.23	No	No	No
AD355-60001	PCle	No	11.31	No	No
AD355A	PCI, PCI-X, PCle	No	11.31	No	No
AH400A		No	No	10	No
AH401	PCle	No	No	10	No
AH402A		No	No	10	No
AH403A	PCle	No	11.31	No	No
AJ763A	PCle	No	11.31	No	No
FC1242SR DC	PCle	No	No	No	10

Hewlett Packard Enterprise - Family Membership

Device Family	Members
A9782A/A9784A series	A9782A, A9784A

Hitachi

Hitachi - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HFC040x series	PCI-X, PCIe	Enterprise Edition	Enterprise Edition	Enterprise Edition	4, 5	10
HFCE080x series	PCIe	Enterprise Edition	Enterprise Edition	Enterprise Edition	5	No

Hitachi - Support with UNIX

Device Family	Bus Type	AIX on POWER
HFC040x series	PCI-X, PCIe	5.3
HFCE080x series	PCIe	5.3, 6.1

Hitachi - Family Membership

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

IBM

IBM - Support with UNIX

Device Family	Bus Type	AIX on POWER
577D	PCle	7.1
1977	PCI-X	5.3
5716	PCI-X	5.3, 6.1, 7.1
5735	PCle	7.1
5759	PCI-X	5.3, 6.1, 7.1
5774	PCle	6.1
6227	PCI	5.3
6228	PCI	5.3
6239	PCI-X	5.3, 6.1
FC 5273	PCle	7.1

LSI Logic

LSI Logic - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64
LSI7102XP-LC	PCI-X	Enterprise Edition	Enterprise Edition	No
LSI7104XP-LC	PCI-X	Enterprise Edition	No	No
LSI7202XP-LC	PCI-X	Enterprise Edition	Enterprise Edition	Enterprise Edition
LSI7204EP-LC	PCIe	Enterprise Edition	No	No
LSI7402XP-LC	PCI-X	Enterprise Edition	No	Enterprise Edition

LSI Logic - Support with UNIX

Device Family	Bus Type	Solaris on SPARC
LSI7104XP-LC	PCI-X	10

QLogic

QLogic - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2003 32-bit OS	Windows Server 2003 x64	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
QLA2x0 series	PCI-X	Enterprise Edition	No	No	No	No	No
QLA235x series	PCI-X	No	No	No	No	4, 5	No
QLE236x series	PCIe	Enterprise Edition	Enterprise Edition	No	No	4	No
QLE2400 series	PCIe	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	5	11
QLE2500 series	PCIe	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 6, 7	10, 11
QLE2600 series	PCIe	No	No	Enterprise Edition	Datacenter	7	11
QLE8300 series (FC)	PCIe	No	No	No	No	6	No
QLE10000 series	PCIe	No	No	No	No	6	No
SANblade 23xx series	PCI, PCI-X, SBUS, cPCI	Enterprise Edition	Enterprise Edition	Enterprise Edition	No	4, 5, 6	10
SANblade 24xx series	PCI-X, PCIe	Enterprise Edition	Enterprise Edition	Enterprise Edition	Datacenter	4, 5, 7	10, 11

QLogic - Support with UNIX

Device Family	Bus Type	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
QLE2400 series	PCIe	No	10, 11	No
QLE2500 series	PCIe	No	10, 11	10
SANblade 23xx series	PCI, PCI-X, SBUS, cPCI	11.31	10, 11	10
SANblade 24xx series	PCI-X, PCIe	No	10, 11	10

QLogic - Family Membership

Device Family	Members
QLA2x0 series	QLA200, QLA210
QLA235x series	QLA2350, QLA2352
QLE236x series	QLE2360, QLE2362
QLE2400 series	QLE2440, QLE2460, QLE2462, QLE2464, QME2462, QMI2572
QLE2500 series	QLE2560, QLE2562, QLE2562-S, QLE2564, QME2572, QMH2562, QMH2572, QMI2582, QMI3572
QLE2600 series	QLE2662, QLE2670, QLE2672
QLE8300 series (FC)	QLE8360 (FC), QLE8362 (FC)
QLE10000 series	QLE10502, QLE10522, QLE10542
SANblade 23xx series	QCP2332, QCP2340, QLA2300, QLA2302, QLA2310, QLA2332, QLA2340, QLA2340C, QLA2342, QLA2344, QSB2340, QSB2342
SANblade 24xx series	QLA2440, QLA2460, QLA2462

Sun

Sun - Support with UNIX

Device Family	Bus Type	Solaris on SPARC	Solaris on x86-64
SG-XPCI1FC-EM2	PCI-X	10	No
SG-XPCI1FC-QF2 (X6767A)	PCI	10	No
SG-XPCI1FC-QF4	PCI	10	No
SG-XPCI1FC-QL2	PCI-X	10	No
SG-XPCI2FC-EM2	PCI-X	10	No
SG-XPCI2FC-QF2 (X6768A)	PCI-X	10	No
SG-XPCI2FC-QF4	PCI-X	10	10
SG-XPCIE1FC-EM4	PCle	10	No
SG-XPCIE1FC-QF4	PCle	10	No
SG-XPCIE2FC-EM4	PCle	10	No
SG-XPCIE2FC-QF4	PCle	10	10

Bridges/Routers

This list of SAN components represents equipment that has been used during NetBackup qualification testing of devices listed in previous sections of this document. It is not intended to be a list of supported components.

Infrastructure - Considerations

Subject	Notes
Vendor support considerations	1. To ensure compatibility, the device manufacturers and the operating system vendor must support the combination of SAN components. 2. Consult the hardware vendor's web site for current firmware.

Infrastructure - Routers/Bridges Used In Testing

Contents

Bridges/Routers

Bridges/Routers

Manufacturer	Device
ADIC	SNC 4000 (embedded), SNC 5100, SNC 6101, SNC 6404
ATTO	FiberBridge 1290, FibreBridge 2400
Chaparral	FS1310, VFS113
Compaq	Modular Data Router
Crossroads	4250, 6000, 8000, 10000
Dell	PV-136T (FCR embedded)
Hewlett Packard Enterprise	400 Multi-Protocol Router, e1200-160 FC Interface Controller, e2400-160 FC Interface Controller, e2400-FC 2Gb Interface Controller, e2400-FC 4Gb Interface Controller, N1200 4Gb
Qualstar	VFS212 embedded router

Bridges/Routers

Manufacturer	Device
Quantum	FC310, FC470, FC1202
Spectra Logic	F-QIP

Switches

This list of SAN components represents equipment that has been used during NetBackup qualification testing of devices listed in previous sections of this document. It is not intended to be a list of supported components.

Infrastructure - Considerations

Subject	Notes
Vendor support considerations	1. To ensure compatibility, the device manufacturers and the operating system vendor must support the combination of SAN components. 2. Consult the hardware vendor's web site for current firmware.

Infrastructure - Switches Used In Testing

Contents

Switches

Switches

Manufacturer	Device
ADIC	SNC 7404
Brocade	4Gb SAN Switch for HP c-Class BladeSystem, 300, 5000, 5100, 7500 Extension Switch, SilkWorm 200E, SilkWorm 220E, SilkWorm 240E, SilkWorm 2400, SilkWorm 2800, SilkWorm 3200, SilkWorm 3250, SilkWorm 3800, SilkWorm 3850, SilkWorm 3900, SilkWorm 4100, SilkWorm 4150, SilkWorm 5100, SilkWorm 48000
Cisco Systems	MDS9216, MDS9506, Nexus 5010, Nexus 5020
EMC	DS-16B2
Hewlett Packard Enterprise	2408 FCoE CN Switch, SAN Switch 2/16, SAN Switch 4/16, SAN Switch 4/32, SAN Switch 8/40, SAN Switch 8/80
IBM	TotalStorage Storage Switch L10
McDATA	Intrepid 6140, Sphereon 3232, Sphereon 4500
QLogic	SANbox2-8, SANbox2-16, SANbox 1400, SANbox 3600, SANbox 5200, SANbox 5600, SANbox 5602, SANbox 5802, SANbox 9000, SANbox 9200

Switches

Manufacturer	Device
Sun	SG-XSW64-BASE

Retired Devices

The devices in this section will not be listed in the Hardware Compatibility List for NetBackup 8.0 and later versions. Many of these devices are end-of-life products that are no longer supported by the manufacturer.

Virtual Tape Libraries

Manufacturer	Device
Fujitsu	CentricStor
Hewlett Packard Enterprise	VLS 300 EVA Gateway, VLS 6000 Series, VLS 9000 Series
Sun	StorageTek VTL Plus 1.0, StorageTek VTL Plus 2.0, StorageTek VTL Prime 1.0, VTL1200

Tape Libraries

Manufacturer	Device
ADIC	Scalar i2000, Scalar i500
Quantum	PX500 Series
Sun	StorageTek L1400, StorageTek L180, StorageTek L700, StorageTek L700e, StorageTek SL24, StorageTek SL3000, StorageTek SL48, StorageTek SL500, StorageTek SL8500, StorEdge C10, StorEdge C2, StorEdge C4, StorEdge L180, StorEdge L500, StorEdge L5500, StorEdge L6000, StorEdge L700, StorEdge L8500