

Veritas NetBackup TM Enterprise Server and Server 7.7 - 7.7.x Hardware and Cloud Storage Compatibility List (HCL)

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Introduction

This Hardware and Cloud Storage Compatibility List (HCL) document contains information about hardware and cloud storage solutions supported with Veritas NetBackup Enterprise Server and Server 7.7 - 7.7.x. The HCL contains separate sections for each solution type. These sections can be accessed by expanding the bookmarks on the left. (For information on other NetBackup versions, see <http://www.netbackup.com/compatibility>)

To ensure Veritas' support, [tape libraries](#) , [tape drives](#) , [virtual tape devices](#) , [NDMP devices](#) , Veritas OpenStorage [primary](#) and [secondary](#) storage solutions, and [Snapshot Client](#) arrays must be present on the HCL and must be supported by the hardware manufacturer or cloud provider 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 solution types, so please read the notes at the beginning of each section for information on supported solution software and firmware versions.

Qualified hardware and cloud solutions listed in this document are tested through the Veritas Technology Ecosystem (VTE). If you would like to have hardware or cloud solutions considered for inclusion on this HCL, please contact your hardware partner or cloud provider to ensure they are a member of VTE and have submitted a request to have their product qualified with NetBackup. Information on Veritas Technology Ecosystem 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, compatibility lists for earlier NetBackup versions, and much more.

Veritas NetBackup™ 7.7 - 7.7.x Compatibility Lists

Compatibility List Name	URL
NetBackup Enterprise Server and Server 7.7 - 7.7.x OS Software Compatibility List (Contains compatibility info for Client, Server, Cluster, NOM, NDMP, BMR, SAN Client, MSEO)	<https://www.veritas.com/docs/100015485>
NetBackup 7.7 - 7.7.x Database and Application Agent Compatibility List	<https://www.veritas.com/docs/100015486>
NetBackup 7.7 - 7.7.x Snapshot Client Compatibility List	<http://www.veritas.com/docs/000025231>
Support for NetBackup 7.x and 8.x in virtual environments	<https://www.veritas.com/content/support/en_US/doc/NB_70_80_VE>
NetBackup for NDMP: NAS appliance information	<https://www.veritas.com/docs/100016340>
Entire listing of NetBackup Compatibility Lists	<http://www.netbackup.com/compatibility>

Device Mappings Files

NetBackup uses device mappings files to add new device support, and to enable certain cloud and OpenStorage functionality. 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.

Veritas recommends downloading and installing the latest device mappings files package:

- Before configuring a cloud solution with the Cloud Configuration Wizard. If your cloud solution is listed in the recent additions below, check to see that the version of device mappings you're running is at that level or later. If you're running an older version, download and install the latest package to permit configuration of the cloud solution.
- Before configuring an OpenStorage storage server for Accelerator or Targeted A.I.R.. If your OST solution is listed in the recent additions below, check to see that the version of device mappings you're running is at that level or later. If you're running an older version, download and install the latest package to permit configuration of the OST functionality.
- Before discovering and configuring devices with the Device Configuration Wizard. If your configuration contains a new device listed in the recent additions below, check to see that the version of the device mappings you're running is at that level or later. If you're running an older version, download and install the latest package to properly configure the device.

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. The second table lists the version of the device mappings file released with NetBackup 7.7 GA and each subsequent Release Update.

Device Mappings Files Packages

Version	OS platforms / URL	Support added
1.154	Linux/UNIX: < https://www.veritas.com/docs/100015983 > Windows: < https://www.veritas.com/docs/100015982 >	- NetBackup Accelerator support enabled for ExaGrid OpenStorage solutions
1.153	Use the most recent version above.	- Kingsoft Standard Storage Service (KS3) - Standard (S3) - Kingsoft Standard Storage Service (KS3) - Standard IA (S3) - Veritas Cognitive Object Storage (S3)
1.152	Use the most recent version above.	- Telefonica Open Cloud (S3)
1.151	Use the most recent version above.	- Infonika SWISS3CLOUD (S3) - LTO-7 Type-M (M8) media - NEC Cloud IaaS (S3) - NEC HYDRAstor/iStorage/NEC Storage (S3)
1.150	Use the most recent version above.	- HPE Ultrium 30750 LTO-8 tape drive
1.149	Use the most recent version above.	- Oracle Cloud Infrastructure (S3)

Device Mappings Files Packages

Version	OS platforms / URL	Support added
1.148	Use the most recent version above.	- Iron Mountain Iron Cloud (S3) - NooBaa (S3)
1.147	Use the most recent version above.	- HPE MSL3040 tape library - IBM LTO Ultrium 8 tape drives - Quantum LTO Ultrium 8 tape drives
1.146	Use the most recent version above.	- NetBackup Accelerator support enabled for Quest OpenStorage solutions - Quest DR 13g Series VTL
1.144	Use the most recent version above.	- NetApp StorageGRID (S3)
1.143	Use the most recent version above.	- ACP IT Solutions CS3 Cloud (S3) - China Telecom OOS Cloud (S3)
1.142	Use the most recent version above.	- IBM TS1155 (3592 Model 55F) tape drive - Oracle StorageTek SL4000 tape library
1.141	Use the most recent version above.	- Fujitsu ETERNUS CD10000 (S3) - SUSE Enterprise Storage (S3)
1.140	Use the most recent version above.	- Veritas Access (S3) - Deutsche Telekom Open Telekom Cloud (S3) - Red Hat Ceph Storage (S3)
1.139	Use the most recent version above.	- IBM 3592 E08 tape drive
1.138	Use the most recent version above.	- AT&T Cloud Storage (S3) - China Mobile CMCC Cloud Storage (S3) - IBM Cloud Object Storage for LAN (S3) - IBM Cloud Object Storage for WAN (S3)
1.136	Use the most recent version above.	- 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.	- 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)

Device Mappings Files Packages

Version	OS platforms / URL	Support added
1.131	Use the most recent version above.	<ul style="list-style-type: none"> - Chunghwa Telecom Hicloud (S3) - StorReduce Deduplicate Cloud Storage (S3) - Telefonica Cloud Storage (S3)
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 (S3) - 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 and ActiveScale cloud solutions (S3) - Hitachi Content Platform (HCP) cloud solutions (S3) - NetBackup Accelerator support enabled for Fujitsu CS800 S6 OST solutions - SwiftStack Object Storage cloud solutions (S3)
1.127	Use the most recent version above.	<ul style="list-style-type: none"> - Compression support for Amazon Simple Storage Service cloud solutions - Compression support for Amazon GovCloud Simple Storage Service cloud solutions - Compression support for Cloudian HyperStore Object cloud solutions - Compression support for Google Cloud Storage Nearline cloud solutions - Compression support for Hitachi Cloud Services 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 HYDRAsor/iStorage/NEC Storage solutions
1.124	Use the most recent version above.	<ul style="list-style-type: none"> - Cloudian HyperStore Object Storage

Device Mappings Versions released with NetBackup Versions

NetBackup version	Device Mappings version
7.7.3	1.127
7.7.2	1.124
7.7.1	1.124
7.7 GA	1.124

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

BasicDisk

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.

BasicDisk - Considerations

Subject	Notes
Configuration considerations	<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

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](http://www.veritas.com/docs/100040135)" [<http://www.veritas.com/docs/100040135>](http://www.veritas.com/docs/100040135) .

AdvancedDisk - Considerations

Subject	Notes
Support assumptions	<p>1. Veritas NetBackup has an open support policy for AdvancedDisk storage units. The storage must be seen as local disk by the NetBackup Media Server, regardless of connection method (SCSI, Fibre Channel, iSCSI, etc), to be supported as an AdvancedDisk storage unit.</p> <p>Please note: Due to the open support policy, and the range of 3rd party storage solutions, it is the responsibility of the customer to ensure that the chosen storage solution meets the specific performance needs in the specific production environment. Veritas NetBackup features that are performance-dependent, such as Granular Restore Technology (GRT) are not supported with AdvancedDisk storage units.</p> <p>Hybrid storage solutions, with a mix of both local (LAN or FC) and WAN (remote or cloud) based storage tiers, have become available. Thorough testing of these storage solutions, when used as AdvancedDisk storage units, needs to be completed by the customer, to the customer's satisfaction, particularly in the area of restore operations, to ensure that timeouts do not occur. Some specific hybrid storage solutions have been tested as NetBackup AdvancedDisk storage units, in Veritas labs, with joint effort and in cooperation with Veritas storage partners. Resulting white papers and reference materials will appear here:</p> <ul style="list-style-type: none"> - Microsoft Azure StorSimple: "Configure StorSimple with Veritas NetBackup" <https://docs.microsoft.com/en-us/azure/storsimple/storsimple-configure-backuptarget-netbackup> <p>All-flash storage solutions are included in the AdvancedDisk open support policy. Some specific all-flash storage solutions have been tested as NetBackup AdvancedDisk storage units, in Veritas labs, with joint effort and in cooperation with Veritas storage partners. Examples are:</p> <ul style="list-style-type: none"> - Pure Storage FlashBlade - Violin Systems Flash Storage Platform <p>2. Veritas InfoScale Foundation and Storage Foundation are supported with NetBackup AdvancedDisk. For information on disk arrays that are supported with the InfoScale Foundation or Storage Foundation version you're running, please see "Veritas Services and Operations Readiness Tools (SORT)" <https://sort.veritas.com> .</p> <p>3. AdvancedDisk functionality is subject to all functional limitations as imposed either by the operating system or by the underlying file system.</p>

Subject	Notes
Configuration considerations	<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.

OpenStorage

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"](http://www.veritas.com/docs/100040135) <<http://www.veritas.com/docs/100040135>> .

PureDisk

A PureDisk disk type storage unit is used for deduplicated data for the following storage destinations:

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"](http://www.veritas.com/docs/100040135) <<http://www.veritas.com/docs/100040135>> .

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"](http://www.veritas.com/docs/100004046) <<http://www.veritas.com/docs/100004046>> .

NetBackup in the Cloud

NetBackup now supports cloud-based Master Servers and Media Servers as part of extending data protection into workloads in the cloud. For more information, see the "360 Data Management" <https://www.veritas.com/360.html?inid=us_veritas_home_trend_cloud> page.

NetBackup in the Cloud - Considerations

Subject	Notes
Support assumptions	<ol style="list-style-type: none">1. NetBackup is supported on any cloud infrastructure environment that meets NetBackup's minimum resource requirements. For details on operating systems supported by NetBackup, please refer to the "NetBackup 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> . For details on NetBackup minimum resource requirements, please refer to the "NetBackup Installation Guide" <https://www.veritas.com/docs/100040281> .2. Veritas does not certify the cloud compute layer or the cloud block storage layer. They are assumed to work as similar physical resources do.3. NetBackup-certified cloud object storage support is listed in the vendor tables in the OST Cloud section of this HCL.4. NetBackup deployment templates are available for some operating systems and cloud infrastructure solutions. Supported templates are listed in the vendor tables below. For a quicker and easier NetBackup deployment, Veritas recommends using the template rather than doing a manual NetBackup installation.

NetBackup in the Cloud - Links to Solution Information

NetBackup is supported on any cloud infrastructure environment that meets NetBackup's minimum resource requirements. Solution briefs have been created for the cloud infrastructures listed in the table below.

Vendor	URL
Amazon	< https://www.veritas.com/solution/amazon-web-services >
Google	< https://www.veritas.com/solution/google-cloud-platform >
IBM	< https://www.veritas.com/solution/ibm-cloud >
Microsoft	< https://www.veritas.com/solution/microsoft-cloud >
Oracle	< https://www.veritas.com/solution/oracle-cloud >

NetBackup in the Cloud - Deployment Templates

Contents

Amazon

Amazon

This solution deploys a NetBackup Master or Media Server in an Amazon Web Services EC2 instance, using the AWS CloudFormation feature.

Amazon Machine Image (AMI) for NetBackup

Operating System	NetBackup template file	NetBackup Master Server support	NetBackup Media Server support	Supported Locales / Regions
Microsoft Windows Server 2012 R2	Link to the AWS CloudFormation NetBackup 7.7.3 AMI template file < https://s3.amazonaws.com/ami-nb/NBU-7_7_3.json >	Yes	Yes	Asia Pacific (Mumbai), Asia Pacific (Seoul), Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), Europe (Frankfurt), Europe (Ireland), Europe (London), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)

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" <<https://www.veritas.com/product/backup-and-recovery/netbackup-appliances/>> page.

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. Documentation for NetBackup Appliances [is available here <https://www.veritas.com/docs/100040113>](https://www.veritas.com/docs/100040113) . Late breaking news related to NetBackup Appliances [is available here <https://www.veritas.com/docs/100003949>](https://www.veritas.com/docs/100003949) .

NetBackup Appliance packages and hotfixes [are available on SORT <https://sort.veritas.com/patch_dp/finder>](https://sort.veritas.com/patch_dp/finder) .

NetBackup 5300 Series - Supported Versions

NetBackup 5300 Series Appliance Release	Supported NetBackup Appliance Models	NetBackup 5300 Series Appliance Software Version	Based on NetBackup Release
2.7.3	5330	2.7.3	7.7.3
2.7.2	5330	2.7.2	7.7.2
2.7.1	5330	2.7.1	7.7.1

NetBackup 5200 Series - Supported Versions

NetBackup 5200 Series Appliance Release	Supported NetBackup Appliance Models	NetBackup 5200 Series Appliance Software Version	Based on NetBackup Release
2.7.3	5240, 5230, 5220	2.7.3	7.7.3
2.7.2	5230, 5220	2.7.2	7.7.2
2.7.1	5230, 5220	2.7.1	7.7.1

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 the "NetBackup 7.7 - 7.7.x Operating System Software Compatibility List" <<https://www.veritas.com/docs/100015485>>), application and database agents (see the "NetBackup 7.7 - 7.7.x Database and Application Agent Compatibility List" <<https://www.veritas.com/docs/100015486>>), and Snapshot client configurations.

NetBackup 5200 Series and 5300 Series - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
NetBackup Master/Media Server	2.7.1	5200 Series	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	2.7.1	5200 Series, 5300 Series	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)	2.7.1	5200 Series, 5300 Series	
Accelerator with NDMP	2.7.1	5200 Series, 5300 Series	Supported with NetApp FAS and V series filers. For more information on this feature, see the " NetBackup for NDMP Administrator's Guide " < http://www.veritas.com/docs/000003214 > .
Accelerator with VMware-type policies	2.7.1	5200 Series, 5300 Series	
Auto Image Replication to MSDP/5200 Series or 5300 Series over Ethernet	2.7.1	5200 Series, 5300 Series	
Auto Image Replication to MSDP/5200 Series or 5300 Series over Fibre Channel (FC)	2.7.3	5200 Series, 5300 Series	
Auto Image Replication to PDDO/5000 Series	2.7.1	5200 Series, 5300 Series	
Client Deduplication / Client Direct over Ethernet	2.7.1	5200 Series, 5300 Series	Veritas allows NetBackup Clients 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 7.7 - 7.7.x Operating System Software Compatibility List " < https://www.veritas.com/docs/100015485 > .
Copilot for Oracle	2.7.1	5230, 5240, 5330	For more information on this feature, see the " NetBackup Copilot for Oracle Configuration Guide " < http://www.veritas.com/docs/000002217 > .
Fibre Transport Media Server	2.7.1	5220, 5230, 5240, 5330	Supported with 8 Gb HBAs in NetBackup 5220, 5230, 5240, 5330, and 5340 Appliances.

NetBackup 5200 Series and 5300 Series - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
Granular Recovery Technology (GRT)	2.7.1	5200 Series, 5300 Series	
Granular Recovery Technology (GRT) with VMware-type policies	2.7.1	5200 Series, 5300 Series	Support for VMware-type backup policies with Application Protection options enabled for Exchange or SharePoint.
Instant Recovery for VMware	2.7.1	5200 Series, 5300 Series	Support for restoring virtual machines with Instant Recovery is described in the "NetBackup for VMware Administrator's Guide" < http://www.veritas.com/docs/000003214 > . For details on supported platforms for instant recovery restore hosts, see "Support for NetBackup 7.x and 8.x in virtual environments" < http://www.veritas.com/docs/000006177 > .
Key Management Service (KMS)	2.7.1	5200 Series, 5300 Series	<p>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.</p> <p>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.</p>
Media Server Encryption Option (MSEO)			There are no plans to support this feature.
NetBackup Access Control (NBAC)	2.7.1	5200 Series, 5300 Series	Supported when the Appliance is configured as a Media Server only. Not supported when the Appliance is configured as a Master Server.
NDMP	2.7.1	5200 Series, 5300 Series	
NetBackup Cluster			There are no plans to support this feature.
NetBackup OpenStorage Cloud and Third-Party Plug-in Support	2.7.1	5200 Series, 5300 Series	<p>Supported plug-ins are listed in the "Support with NetBackup Appliance" tables shown in the OST Cloud and OST Storage Servers Vendor Compatibility sections.</p> <p>For instructions on installing vendor plug-in packages on the NetBackup Appliances, refer to the "Installing OpenStorage plugin" section in the "Veritas NetBackup Appliance Administrator's Guide" <https://www.veritas.com/content/support/en_US/DocumentBrowsing.html?product=Appliances> .</p>
OpsCenter	2.7.1	5200 Series, 5300 Series	

NetBackup 5200 Series and 5300 Series - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
OpsCenter Managed Server	2.7.1	5200 Series, 5300 Series	
Optimized Duplication (Opt_Dup) over Ethernet	2.7.1	5200 Series, 5300 Series	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 Fibre Channel (FC)	2.7.1 2.7.3	5200 Series, 5300 Series	Supported from 5200/5300 Series to 5000 Series (MSDP to PDDO). Supported from 5200/5300 Series to 5200/5300 Series (MSDP to MSDP) with versions 2.7.3 or later.
Optimized Synthetics (Opt_Synth)	2.7.1	5200 Series, 5300 Series	NetBackup Appliance version 2.0 or later/NetBackup 7.1 or later is recommended for Optimized Synthetics support.
Tape Drive Support	2.7.1	5200 Series, 5300 Series	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	2.7.1	5200 Series, 5300 Series	Supported tape libraries are listed with the notes "This library is also 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	2.7.1	5200 Series, 5300 Series	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	6.6.5

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	Supported Appliance Models	Notes
Accelerator (for files and folders)	1.4.5	5030, 5020	
Auto Image Replication	1.4.5	5030, 5020	
Call Home	1.4.5	5030, 5020	
Client Deduplication / Client Direct over Ethernet	1.4.5	5030, 5020	Veritas allows NetBackup Clients 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 7.7 - 7.7.x Operating System Software Compatibility List" https://www.veritas.com/docs/100015485 .
Fibre Channel support for PDDO	1.4.5	5030, 5020	

NetBackup 5000 Series - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
Granular Recovery Technology (GRT)	1.4.5	5030, 5020	
Intelligent Platform Management Interface (IPMI) support	1.4.5	5030, 5020	
NetBackup OST Storage Server	1.4.5	5030, 5020	Supported OpenStorage functionality and Media Server platforms are listed in the OST Storage Servers section of OST Secondary Storage Solutions.
Optimized Duplication (Opt_Dup)	1.4.5	5030, 5020	
Optimized Duplication (Opt_Dup) from PDDO to MSDP	1.4.5	5030, 5020	Supported from 5000 Series to 5200/5300 Series.
Optimized Synthetics (Opt_Synth)	1.4.5	5030, 5020	
PureDisk Remote Office Appliance	1.4.5	5030, 5020	Supported clients: Apple Mac OS, Hewlett Packard Enterprise HP-UX, IBM AIX, Microsoft Windows, SUSE Linux Enterprise Server, Red Hat Enterprise Linux, Oracle Solaris. Supported application agents: Microsoft Exchange, Microsoft SQL, Oracle. For specific versions see the "NetBackup PureDisk 6.6.1 Compatibility List" < http://www.veritas.com/docs/000008731 > .
Virtual Local Area Network (VLAN)	1.4.5	5030, 5020	

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](http://www.veritas.com/docs/000121084)" <<http://www.veritas.com/docs/000121084>> . This document contains links to important information about Replication Director requirements, latest issues, best practices, product documentation, limitations, and eLearning tutorial videos.

Contents

<u>Replication Director - Considerations</u>	<u>Replication Director - Supported Platforms for Block-attached Storage</u>	<u>Replication Director - Supported Platforms for NAS-attached Storage</u>
<u>Replication Director - Links to Vendor Sites</u>	<u>Replication Director - Supported Functionality</u>	<u>Replication Director - Vendor Compatibility</u>

Replication Director - Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the " NetBackup 7.7 - 7.7.x Operating System Software Compatibility List " < http://www.veritas.com/docs/000025229 > . 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. 2. CentOS, Novell Open Enterprise Server (Linux), and Oracle Linux are not supported with Replication Director, unless noted otherwise. 3. In the vendor compatibility tables below, the column "NetBackup Version" indicates the NetBackup 7.7.x version at which that vendor software was first supported.
Vendor support considerations	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. 2. Minor versions of the vendor software listed in the tables below are also supported. (Example: Version "2.0" means versions 2.0.1, 2.0.2, 2.0p1, 2.0p2, etc. are also supported. Version "3" means versions 3.1, 3.2, 3.1p1, 3.1p2, etc. are also supported.)
Operating system support added	1. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and later.

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 7.7.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	7.7 GA	7.7 GA	JFS2/LVM	
AIX 7.2 on POWER	Not supported	7.7.2		
HP-UX 11.31 on IA64	7.7 GA	7.7 GA	VxFS/LVM VxFS/none online JFS/LVM online JFS/none	VxDMP HP-UX Native Multipathing
Red Hat Enterprise Linux 5 on x86-64	7.7 GA	7.7 GA	VxFS/VxVM ext3/none	VxDMP DM-MPIO
Red Hat Enterprise Linux 6 on x86-64	7.7 GA	7.7 GA	VxFS/VxVM ext3/none	
Red Hat Enterprise Linux 7 on x86-64	Not supported	7.7 GA		
Solaris 10 on SPARC	7.7 GA	7.7 GA	VxFS/VxVM UFS/none	VxDMP Solaris MPxIO
SUSE Linux Enterprise Server 10 on x86-64	7.7 GA	7.7 GA	VxFS/VxVM ext3/none	VxDMP DM-MPIO
SUSE Linux Enterprise Server 11 on x86-64	7.7 GA	7.7 GA	VxFS/VxVM ext3/none	
SUSE Linux Enterprise Server 12 on x86-64	Not supported	7.7.2		
Windows Server 2008 R2 on x64	7.7 GA	7.7 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 7.7.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	7.7 GA	7.7 GA
AIX 7.1 on POWER	7.7 GA	7.7 GA
AIX 7.2 on POWER	Not supported	7.7.2
HP-UX 11.31 on IA64	7.7 GA	7.7 GA
Red Hat Enterprise Linux 5 on x86-64	7.7 GA	7.7 GA
Red Hat Enterprise Linux 6 on x86-64	7.7 GA	7.7 GA
Red Hat Enterprise Linux 7 on x86-64	7.7 GA	7.7 GA
Solaris 10 on SPARC	7.7 GA	7.7 GA
Solaris 11 on SPARC	7.7 GA	7.7 GA [1]
SUSE Linux Enterprise Server 10 on x86-64	7.7 GA	7.7 GA
SUSE Linux Enterprise Server 11 on x86-64	7.7 GA	7.7 GA
SUSE Linux Enterprise Server 12 on x86-64	7.7 GA	7.7 GA
Windows Server 2008 R2 on x64	7.7 GA	7.7 GA
Windows Server 2012 on x64	7.7 GA	7.7 GA
Windows Server 2012 R2 on x64	7.7 GA	7.7 GA

1. Requires Solaris 11.2 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
Dell EMC		<http://www.veritas.com/docs/000024657> <http://www.veritas.com/docs/000120251>
NetApp	<https://support.netapp.com/matrix/>	<http://www.veritas.com/docs/000120962> <http://www.veritas.com/docs/000120251>

Replication Director - Supported Functionality

The following table lists NetBackup Replication Director functionality and indicates the NetBackup 7.7.x version at which that functionality was first supported. For more information on Replication Director functionality, see the "[NetBackup Replication Director Solutions Guide](http://www.veritas.com/docs/000003214)" [<http://www.veritas.com/docs/000003214>](http://www.veritas.com/docs/000003214) .

For supported versions of agents, see the "[NetBackup 7.7 - 7.7.x Database and Application Agent Compatibility List](http://www.veritas.com/docs/000025230)" [<http://www.veritas.com/docs/000025230>](http://www.veritas.com/docs/000025230) . The version information contained in that document also applies to databases and applications residing in VMware Virtual Machines.

For supported versions of VMware, see "[Support for NetBackup 7.x and 8.x in virtual environments](http://www.veritas.com/docs/000006177)" [<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	7.7 GA
Snapshot Management for File System	Snapshot_Mgmt_FS	7.7 GA
Snapshot Replication for File System	Snapshot_Repl_FS	7.7 GA
Snapshot Management for Oracle	Snapshot_Mgmt_Oracle	7.7 GA
Snapshot Replication for Oracle	Snapshot_Repl_Oracle	7.7 GA
Snapshot Management for VMware	Snapshot_Mgmt_VMware	7.7 GA
Snapshot Replication for VMware	Snapshot_Repl_VMware	7.7 GA
Snapshot Management for Microsoft Exchange on VMware	Snapshot_Mgmt_VMware_Exchange	7.7 GA
Snapshot Replication for Microsoft Exchange on VMware	Snapshot_Repl_VMware_Exchange	7.7 GA
Snapshot Management for Microsoft SQL Server on VMware	Snapshot_Mgmt_VMware_SQL	7.7 GA

NetBackup-directed Operations	Abbreviation	NetBackup Version Start of Support
Snapshot Replication for Microsoft SQL Server on VMware	Snapshot_Repl_VMware_SQL	7.7 GA
Snapshot Management for Oracle on NFS Storage	Snapshot_Mgmt_Oracle_NFS	7.7 GA
Snapshot Replication for Oracle on NFS Storage	Snapshot_Repl_Oracle_NFS	7.7 GA
Snapshot Management for VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware_NFS	7.7 GA
Snapshot Replication for VMware with NFS Attached Datastores	Snapshot_Repl_VMware_NFS	7.7 GA
Snapshot Management for Microsoft Exchange on VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware_Exchange_NFS	7.7 GA
Snapshot Replication for Microsoft Exchange on VMware with NFS Attached Datastores	Snapshot_Repl_VMware_Exchange_NFS	7.7 GA
Snapshot Management for Microsoft SQL Server on VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware_SQL_NFS	7.7 GA
Snapshot Replication for Microsoft SQL Server on VMware with NFS Attached Datastores	Snapshot_Repl_VMware_SQL_NFS	7.7 GA

Replication Director - Vendor Compatibility

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[Dell EMC](#)

[NetApp](#)

Dell EMC

Dell EMC - Support with Windows / Linux

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Celerra [1]	NAS	NetBackup 7.7 and later		Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL	Yes	Yes	Enterprise Edition [2]	Datacenter	6, 7	11, 12
VNX Series [1] [3]	NAS	NetBackup 7.7 and later		Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL	Yes	Yes	Enterprise Edition [2]	Datacenter	6, 7	11, 12
VNX2 Series [1] [4]	NAS	NetBackup 7.7 and later		Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL	Yes	Yes	Enterprise Edition [2]	Datacenter	6, 7	11, 12

1. For more information, see "Using NetBackup Replication Director to create snapshots of EMC VNX and Celerra storage systems" <<http://www.veritas.com/docs/000024657>> .
2. Requires Windows 2008 R2 or later.
3. All models in the Dell EMC VNX Series are supported (VNX5100, VNX5300, VNX5500, VNX5700, VNX7500).
4. All models in the Dell EMC VNX2 Series are supported (VNX5200, VNX5400, VNX5600, VNX5800, VNX7600, VNX8000).

Dell EMC - Support with UNIX

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Celerra [1]	NAS	NetBackup 7.7 and later		Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL	Yes	Yes	6.1, 7.1	11.31	10, 11 [2]
VNX Series [1] [3]	NAS	NetBackup 7.7 and later		Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL	Yes	Yes	6.1, 7.1	11.31	10, 11 [2]
VNX2 Series [1] [4]	NAS	NetBackup 7.7 and later		Array-based_Restore Snapshot_Mgmt_FS Snapshot_Mgmt_Oracle Snapshot_Mgmt_VMware Snapshot_Mgmt_VMware_Exchange Snapshot_Mgmt_VMware_SQL	Yes	Yes	6.1, 7.1	11.31	10, 11 [2]

1. For more information, see "Using NetBackup Replication Director to create snapshots of EMC VNX and Celerra storage systems" <<http://www.veritas.com/docs/000024657>> .

2. Media Server support for Solaris 11 requires Solaris 11.2 or later.

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

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

NetApp

NetApp - Support with NetBackup Appliance

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	5200 Series	5300 Series
FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.0 OnCommand Unified Manager 6.4P2 and later OnCommand Unified Manager 7.0 OnCommand Unified Manager 7.1 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Yes [1]	Yes [1]
FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.1 OnCommand Unified Manager 7.0 OnCommand Unified Manager 7.1 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Yes [1]	Yes [1]

NetApp - Support with NetBackup Appliance

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	5200 Series	5300 Series
FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.2 Data ONTAP 9.3 OnCommand Unified Manager 7.2 OnCommand Unified Manager 7.3 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Yes [1]	Yes [1]
FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.4 Data ONTAP 9.5 OnCommand Unified Manager 9.4 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Yes [1]	Yes [1]

1. Supported with NetBackup Appliances running version 2.7.1 or later.

NetApp - Support with Windows / Linux

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
FAS Series	Block	NetApp Plug-in 1.1 for Symantec NetBackup	Data ONTAP 8.2 7-Mode Data ONTAP 8.2.1 7-Mode Data ONTAP 8.2.2 7-Mode Data ONTAP 8.2.3P1 7-Mode Data ONTAP 8.2.4 7-Mode OnCommand Unified Manager Core Package 5.1 7-Mode OnCommand Unified Manager Core Package 5.2 7-Mode OnCommand Unified Manager Core Package 5.2 R1 7-Mode OnCommand Unified Manager Core Package 5.2.1 7-Mode See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS	Yes	Yes	No	No	5, 6	11

NetApp - Support with Windows / Linux

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
FAS Series	NAS	NetApp Plug-in 1.1 for Symantec NetBackup	Data ONTAP 8.2 7-Mode Data ONTAP 8.2.1 7-Mode Data ONTAP 8.2.2 7-Mode Data ONTAP 8.2.3P1 7-Mode Data ONTAP 8.2.4 7-Mode OnCommand Unified Manager Core Package 5.1 7-Mode OnCommand Unified Manager Core Package 5.2 7-Mode OnCommand Unified Manager Core Package 5.2 R1 7-Mode OnCommand Unified Manager Core Package 5.2.1 7-Mode See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	No	No	5, 6	11

NetApp - Support with Windows / Linux

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
FAS Series [1] [2] [3]	NAS	NetApp Plug-in 2.0 for Symantec NetBackup	Clustered Data ONTAP 8.2.3 Clustered Data ONTAP 8.2.4 Clustered Data ONTAP 8.3 Clustered Data ONTAP 8.3.1 Clustered Data ONTAP 8.3.2 OnCommand Unified Manager 6.2 OnCommand Unified Manager 6.3 OnCommand Unified Manager 6.4 See the Replication Director Vendor Links table for more information.	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	Yes	Yes	Enterprise Edition [4]	Datacenter	6, 7	11
FAS Series [1] [2] [3]	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Clustered Data ONTAP 8.2.3 Clustered Data ONTAP 8.2.4 Clustered Data ONTAP 8.3 Clustered Data ONTAP 8.3.1 Clustered Data ONTAP 8.3.2 OnCommand Unified Manager 6.2 OnCommand Unified Manager 6.3 OnCommand Unified Manager 6.4 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Enterprise Edition [4]	Datacenter	6, 7	11

NetApp - Support with Windows / Linux

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.0 OnCommand Unified Manager 6.4P2 and later OnCommand Unified Manager 7.0 OnCommand Unified Manager 7.1 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Enterprise Edition [4] [5]	Datacenter [5]	6, 7	No
FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.1 OnCommand Unified Manager 7.0 OnCommand Unified Manager 7.1 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Enterprise Edition [4] [5]	Datacenter [5]	6, 7	No

NetApp - Support with Windows / Linux

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.2 Data ONTAP 9.3 OnCommand Unified Manager 7.2 OnCommand Unified Manager 7.3 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Enterprise Edition [4] [5]	Datacenter [5]	6, 7	No
FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.4 Data ONTAP 9.5 OnCommand Unified Manager 9.4 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS Snapshot_Mgmt_VMware_NFS Snapshot_Repl_VMware_NFS Snapshot_Mgmt_VMware_Exchange_NFS Snapshot_Repl_VMware_Exchange_NFS Snapshot_Mgmt_VMware_SQL_NFS Snapshot_Repl_VMware_SQL_NFS	Yes	Yes	Enterprise Edition [4] [5]	Datacenter [5]	6, 7	11, 12

1. Requires Clustered Data ONTAP version 8.2.3P4 or later.
2. Requires OnCommand Unified Manager version 6.2P2 or later.
3. Support for NDMP live browse requires Clustered Data ONTAP 8.3 or later.
4. Requires Windows 2008 R2 or later.
5. Fully-qualified domain names are not supported with NFS-attached datastores on VMware.

NetApp - Support with UNIX

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	AIX on POWER	HP-UX on IA64	Solaris on SPARC
FAS Series	Block	NetApp Plug-in 1.1 for Symantec NetBackup	Data ONTAP 8.2 7-Mode Data ONTAP 8.2.1 7-Mode Data ONTAP 8.2.2 7-Mode Data ONTAP 8.2.3P1 7-Mode Data ONTAP 8.2.4 7-Mode OnCommand Unified Manager Core Package 5.1 7-Mode OnCommand Unified Manager Core Package 5.2 7-Mode OnCommand Unified Manager Core Package 5.2 R1 7-Mode OnCommand Unified Manager Core Package 5.2.1 7-Mode See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS	Yes	Yes	6.1	11.31	10

NetApp - Support with UNIX

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	AIX on POWER	HP-UX on IA64	Solaris on SPARC
FAS Series	NAS	NetApp Plug-in 1.1 for Symantec NetBackup	Data ONTAP 8.2 7-Mode Data ONTAP 8.2.1 7-Mode Data ONTAP 8.2.2 7-Mode Data ONTAP 8.2.3P1 7-Mode Data ONTAP 8.2.4 7-Mode OnCommand Unified Manager Core Package 5.1 7-Mode OnCommand Unified Manager Core Package 5.2 7-Mode OnCommand Unified Manager Core Package 5.2 R1 7-Mode OnCommand Unified Manager Core Package 5.2.1 7-Mode See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS	Yes	Yes	6.1, 7.1	11.31	10, 11
FAS Series [1] [2] [3]	NAS	NetApp Plug-in 2.0 for Symantec NetBackup	Clustered Data ONTAP 8.2.3 Clustered Data ONTAP 8.2.4 Clustered Data ONTAP 8.3 Clustered Data ONTAP 8.3.1 Clustered Data ONTAP 8.3.2 OnCommand Unified Manager 6.2 OnCommand Unified Manager 6.3 OnCommand Unified Manager 6.4 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS	Yes	Yes	6.1, 7.1	11.31	10, 11

NetApp - Support with UNIX

Storage Family	Attachment Method	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Compatible Vendor Software	Supported Functionality	NetBackup Client Support	NetBackup Media Server Support	AIX on POWER	HP-UX on IA64	Solaris on SPARC
FAS Series [1] [2] [3]	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Clustered Data ONTAP 8.2.3 Clustered Data ONTAP 8.2.4 Clustered Data ONTAP 8.3 Clustered Data ONTAP 8.3.1 Clustered Data ONTAP 8.3.2 OnCommand Unified Manager 6.2 OnCommand Unified Manager 6.3 OnCommand Unified Manager 6.4 See the Replication Director Vendor Links table for more information.	Array-based_Restore Snapshot_Mgmt_FS Snapshot_Repl_FS Snapshot_Mgmt_Oracle_NFS Snapshot_Repl_Oracle_NFS	Yes	Yes	6.1, 7.1	11.31	10, 11

1. Requires Clustered Data ONTAP version 8.2.3P4 or later.
2. Requires OnCommand Unified Manager version 6.2P2 or later.
3. Support for NDMP live browse requires Clustered Data ONTAP 8.3 or later.

Snapshot Client

This section contains Snapshot Client compatibility information for Veritas NetBackup 7.7.x. It covers NetBackup Server (which includes Enterprise Server and Server), Client, and Snapshot Client.

Veritas supports standard unaltered kernel/Operating System levels. Should an issue arise on a revised kernel, Operating System, or virtual system environment, Veritas support may request the recreation of the problem with the standard operating environment distribution.

Veritas InfoScale / Storage Foundation Compatibility

Veritas InfoScale/Storage Foundation file system and volume manager are supported as the Snapshot Client stack based on Operating System requirements of the InfoScale/Storage Foundation product. For specific OS compatibility information regarding InfoScale/Storage Foundation, please see "[Veritas Services and Operations Readiness Tools \(SORT\)](https://sort.veritas.com)" <<https://sort.veritas.com>> .

FlashBackup policy limitation: The NetBackup FlashBackup policy is not supported on Veritas File System (VxFS) layout versions 8 and beyond, versions 7 and earlier are supported.

Third-Party Products

When a problem may be related to product(s) from a third-party vendor with whom Veritas has a cooperative or collaborative relationship on such product(s), then Veritas will work with that vendor in an attempt to resolve the problem, but resolution is not guaranteed. When Veritas does not have such a support relationship in place with the third-party vendor, or when the vendor ceases to support such product(s), then our ability to support Veritas Licensed Software operating with such vendor's product(s) may be limited, affected, or prevented (and such third party product(s) may cease to be part of Veritas-supported configuration(s)). Veritas support may be limited by the hardware or software vendor due to their support lifecycle. Should a vendor announce End of Support for a product, Veritas support may be limited.

Oracle Agent Support

Oracle ASM Environment is not supported.

Snapshot Client - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the "NetBackup 7.7 - 7.7.x Operating System Software Compatibility List" <http://www.veritas.com/docs/000025229> .</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>

Snapshot Client - Vendor Compatibility

Contents

<u>Microsoft Volume Shadow Copy Service (Microsoft VSS)</u>	<u>Array-based Snapshot Methods</u>	<u>Software-based Snapshot Methods</u>
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Microsoft Volume Shadow Copy Service (Microsoft VSS)

Snapshot Client - VSS Snapshot Providers Support for Microsoft Windows Considerations

Subject	Notes
Support assumptions	<ul style="list-style-type: none">- Array vendor tables have been removed from this section as Veritas NetBackup has an open support policy for Microsoft Volume Shadow Copy Service (VSS) snapshots.- Support is implied if an array vendor supplies and actively supports a VSS provider, or when using a Veritas InfoScale/Storage Foundation VxVM provider, or when using the Microsoft Default System provider.- Support includes Local, Alternate Client, FlashBackup-Windows Local, and FlashBackup-Windows Alternate Client snapshot methods.- Support extends to NetBackup application agents, Windows virtual machines using VMware RDM disks or Hyper-V Pass-Thru disks, and NetBackup for Hyper-V backups of VM snapshots.- Snapshot roll back (Snapshot Client Instant Recovery) is not supported, use the copy back method instead.- Consult with your array vendor on VSS provider availability.

Array-based Snapshot Methods

Dell EMC

Symmetrix

DMX

DMX series family membership

Array Family	Members
Symmetrix DMX series	Symmetrix DMX 1000, Symmetrix DMX 2000, Symmetrix DMX 3000, Symmetrix DMX 800, Symmetrix DMX-3, Symmetrix DMX-4

HPE HP-UX 11.31 IA64

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
Symmetrix DMX series	Dell EMC TimeFinder Snap	Dell EMC Solution Enabler	File System Oracle Agent DB2 Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM
Symmetrix DMX series	Dell EMC TimeFinder Clone	Dell EMC Solution Enabler	File System Oracle Agent DB2 Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM
Symmetrix DMX series	Dell EMC TimeFinder Mirror	Dell EMC Solution Enabler	File System Oracle Agent DB2 Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM

Oracle Solaris 10 SPARC

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
Symmetrix DMX series	Dell EMC TimeFinder Snap	Dell EMC Solution Enabler	File System Oracle Agent DB2 Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM
Symmetrix DMX series	Dell EMC TimeFinder Clone	Dell EMC Solution Enabler	File System Oracle Agent DB2 Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM
Symmetrix DMX series	Dell EMC TimeFinder Mirror	Dell EMC Solution Enabler	File System Oracle Agent DB2 Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM

VMAX

VMAX series family membership

Array Family	Members
Symmetrix VMAX series	Symmetrix VMAX, Symmetrix VMAXe

AIX 6.1

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
Symmetrix VMAX series	Dell EMC TimeFinder Snap	Dell EMC Solution Enabler	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	JFS2 / LVM
Symmetrix VMAX series	Dell EMC TimeFinder Snap	Dell EMC Solution Enabler	SAP Oracle Agent	Local Client Alternate Client	JFS2 / LVM
Symmetrix VMAX series	Dell EMC TimeFinder Clone	Dell EMC Solution Enabler	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	JFS2 / LVM
Symmetrix VMAX series	Dell EMC TimeFinder Clone	Dell EMC Solution Enabler	SAP Oracle Agent	Local Client Alternate Client	JFS2 / LVM
Symmetrix VMAX series	Dell EMC TimeFinder Mirror	Dell EMC Solution Enabler	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	JFS2 / LVM
Symmetrix VMAX series	Dell EMC TimeFinder Mirror	Dell EMC Solution Enabler	SAP Oracle Agent	Local Client Alternate Client	JFS2 / LVM

Oracle Solaris 10 SPARC

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
Symmetrix VMAX series	Dell EMC TimeFinder Snap	Dell EMC Solution Enabler	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	VxFS / VxVM

Oracle Solaris 10 SPARC

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
Symmetrix VMAX series	Dell EMC TimeFinder Clone	Dell EMC Solution Enabler	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	VxFS / VxVM
Symmetrix VMAX series	Dell EMC TimeFinder Mirror	Dell EMC Solution Enabler	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	VxFS / VxVM

VNX

VNX series family membership

Array Family	Members
VNX series	VNX 5100, VNX 5300, VNX 5500, VNX 5700, VNX 7500

HPE HP-UX 11.31 IA-64

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
VNX series	Dell EMC VNX SnapView Clone	Dell EMC Navisphere CLI	File System	Local Snapshot Local Snapshot with Instant Recovery	online JFS / LVM

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
VNX series	Dell EMC VNX SnapView Clone	Dell EMC Navisphere CLI	File System	Local Snapshot Alternate Client	ext3 / none
VNX series	Dell EMC VNX SnapView Clone	Dell EMC Navisphere CLI	DB2 Agent	Local Snapshot	ext3 / none
VNX series	Dell EMC VNX SnapView Clone	Dell EMC Navisphere CLI	File System	Local Snapshot Alternate Client	VxFS / VxVM

Hitachi

AMS2000

AMS2000 series family membership

Array Family	Members
AMS2000 series	AMS2100, AMS2300, AMS2500

Oracle Solaris 10 SPARC

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
AMS2000 series	Hitachi_CopyOnWrite	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM UFS / none
AMS2000 series	Hitachi_ShadowImage	Hitachi RAID Manager	File System Oracle Agent SAP Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM UFS / none

Red Hat Enterprise Linux 5

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
AMS2000 series	Hitachi_CopyOnWrite	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	ext3 / none
AMS2000 series	Hitachi_CopyOnWrite	Hitachi RAID Manager	File System	FlashBackup Local Snapshot FlashBackup Alternate Client	ext3 / none
AMS2000 series	Hitachi_ShadowImage	Hitachi RAID Manager	File System Oracle Agent SAP Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	ext3 / none
AMS2000 series	Hitachi_ShadowImage	Hitachi RAID Manager	File System	FlashBackup Local Snapshot FlashBackup Alternate Client	ext3 / none

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
AMS2000 series	Hitachi_CopyOnWrite	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	ext4 / none
AMS2000 series	Hitachi_CopyOnWrite	Hitachi RAID Manager	File System	FlashBackup Local Snapshot FlashBackup Alternate Client	ext4 / none
AMS2000 series	Hitachi_ShadowImage	Hitachi RAID Manager	File System Oracle Agent SAP Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	ext4 / none
AMS2000 series	Hitachi_ShadowImage	Hitachi RAID Manager	File System	FlashBackup Local Snapshot FlashBackup Alternate Client	ext4 / none

VSP Gx00/Fx00 series family membership

Array Family	Members
VSP Gx00/Fx00 series	VSP F400, VSP F600, VSP F800, VSP G200, VSP G400, VSP G600, VSP G800

Red Hat Enterprise Linux 5

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
VSP Gx00/Fx00 series	Hitachi_CopyOnWrite-Hitachi Thin Image [1]	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client	ext3 / none
VSP Gx00/Fx00 series	Hitachi_ShadowImage	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client	ext3 / none

1. Select Hitachi_CopyOnWrite during NetBackup policy configuration to configure Hitachi Thin Image snapshot type.

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
VSP Gx00/Fx00 series	Hitachi_CopyOnWrite-Hitachi Thin Image [1]	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client	ext4 / none
VSP Gx00/Fx00 series	Hitachi_ShadowImage	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client	ext4 / none

1. Select Hitachi_CopyOnWrite during NetBackup policy configuration to configure Hitachi Thin Image snapshot type.

VSP G

VSP G series family membership

Array Family	Members
VSP G series	VSP F1500, VSP G1000, VSP G1500

Red Hat Enterprise Linux 5

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
VSP G series [1]	Hitachi_CopyOnWrite-Hitachi Thin Image [2]	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Alternate Client	ext3 / none
VSP G series [1]	Hitachi_ShadowImage	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Alternate Client	ext3 / none

1. Supported with an EEB from Veritas Support. Contact Support and ask for the EEB associated with Etrack 3879872 for NetBackup 7.7.2, the EEB associated with Etrack 3906984 for NetBackup 7.7.3, or the EEB associated with Etrack 3912564 for NetBackup 8.0.

2. Select Hitachi_CopyOnWrite during NetBackup policy configuration to configure Hitachi Thin Image snapshot type.

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
VSP G series [1]	Hitachi_CopyOnWrite-Hitachi Thin Image [2]	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Alternate Client	ext4 / none
VSP G series [1]	Hitachi_ShadowImage	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Alternate Client	ext4 / none

1. Supported with an EEB from Veritas Support. Contact Support and ask for the EEB associated with Etrack 3879872 for NetBackup 7.7.2, the EEB associated with Etrack 3906984 for NetBackup 7.7.3, or the EEB associated with Etrack 3912564 for NetBackup 8.0.

2. Select Hitachi_CopyOnWrite during NetBackup policy configuration to configure Hitachi Thin Image snapshot type.

Hewlett Packard Enterprise

EVA6400/8400

EVA6400/8400 series family membership

Array Family	Members
EVA6400/8400 series	EVA6400, EVA8400

HPE HP-UX 11.31 IA64

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
EVA6400/8400 series	HPE EVA Snapclone	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	online JFS / LVM
EVA6400/8400 series	HPE EVA Snapshot	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	online JFS / LVM
EVA6400/8400 series	HPE EVA Vsnap	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	online JFS / LVM

Oracle Solaris 10 SPARC

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
EVA6400/8400 series	HPE EVA Snapclone	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	Raw / None UFS / None
EVA6400/8400 series	HPE EVA Snapshot	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	Raw / None UFS / None
EVA6400/8400 series	HPE EVA Vsnap	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	Raw / None UFS / None

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
EVA6400/8400 series	HPE EVA Snapclone	HPE Storage System Scripting Utility	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client Alternate Client with Instant Recovery	ext3 / none
EVA6400/8400 series	HPE EVA Snapshot	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	ext3 / none
EVA6400/8400 series	HPE EVA Vsnap	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	ext3 / none

SUSE Linux Enterprise Server 11

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
EVA6400/8400 series	HPE EVA Snapclone	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	Ext3 / None Raw / None
EVA6400/8400 series	HPE EVA Snapshot	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	Ext3 / None Raw / None
EVA6400/8400 series	HPE EVA Vsnap	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	Ext3 / None Raw / None

Red Hat Enterprise Linux 5

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
XP7 [1]	HPE XP BusinessCopy	RAID Manager Library	File System Oracle Agent	Local Snapshot Alternate Client	ext3 / none

1. Supported with an EEB from Veritas Support. Contact Support and ask for the EEB associated with Etrack 3879872 for NetBackup 7.7.2, the EEB associated with Etrack 3906984 for NetBackup 7.7.3, or the EEB associated with Etrack 3912564 for NetBackup 8.0.

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
XP7 [1]	HPE XP BusinessCopy	RAID Manager Library	File System Oracle Agent	Local Snapshot Alternate Client	ext4 / none

1. Supported with an EEB from Veritas Support. Contact Support and ask for the EEB associated with Etrack 3879872 for NetBackup 7.7.2, the EEB associated with Etrack 3906984 for NetBackup 7.7.3, or the EEB associated with Etrack 3912564 for NetBackup 8.0.

XP P9500

Red Hat Enterprise Linux 5

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
XP P9500	HPE XP BusinessCopy	RAID Manager Library	File System	Local Snapshot Local Snapshot with Instant Recovery	Ext3 / None
XP P9500	HPE XP Snapshot	RAID Manager Library	File System	Local Snapshot Local Snapshot with Instant Recovery	Ext3 / None

Software-based Snapshot Methods

Veritas Storage Foundation 6

HPE HP-UX 11.31 IA64

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
FlashSnap	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / VxVM
FlashSnap	Veritas Storage Foundation	File System Oracle Agent SAP Oracle Agent	Alternate Client Alternate Client with Instant Recovery	online JFS / VxVM Raw / VxVM VxFS / VxVM
VxFS_Snapshot	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / VxVM
vxvm	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / VxVM
vxvm	Veritas Storage Foundation	File System Oracle Agent SAP Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery	online JFS / VxVM Raw / VxVM VxFS / VxVM

IBM AIX 6.1

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
BLIB [1]	Veritas Storage Foundation	DB 2 Oracle Agent	Local Snapshot	VxFS / VxVM
VxFS_Checkpoint	Veritas Storage Foundation	File System Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery	VxFS / LVM VxFS / VxVM
VxFS_Snapshot	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / LVM VxFS / VxVM
vxvm	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / VxVM

1. Block-Level Incremental Backup. BLIB is not configured as a snapshot; but as a separate option in the policy. For more information, see the ["NetBackup Administrator's Guide"](http://www.veritas.com/docs/000003214) <<http://www.veritas.com/docs/000003214>> .

IBM AIX 7.1

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
BLIB [1]	Veritas Storage Foundation	DB2 Oracle Agent	Local Snapshot with Instant Recovery	VxFS / VxVM
VxFS_Checkpoint	Veritas Storage Foundation	File System Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery	VxFS / LVM VxFS / VxVM

1. Block-Level Incremental Backup. BLIB is not configured as a snapshot; but as a separate option in the policy. For more information, see the "NetBackup Administrator's Guide" <<http://www.veritas.com/docs/000003214>> .

Microsoft Windows 2008 x64

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
FlashSnap	Veritas Storage Foundation	File System	Alternate Client Alternate Client with Instant Recovery FlashBackup-Windows Local Snapshot	NTFS / VxVM
FlashSnap	Veritas Storage Foundation	DB2 Agent Oracle Agent SAP Oracle Agent SQL Server Agent	Alternate Client Alternate Client with Instant Recovery	NTFS / VxVM
vxvm	Veritas Storage Foundation	File System	Local Snapshot Local Snapshot with Instant Recovery FlashBackup-Windows Local Snapshot	NTFS / VxVM
vxvm	Veritas Storage Foundation	DB2 Agent Oracle Agent SAP Oracle Agent SQL Server Agent	Local Snapshot Local Snapshot with Instant Recovery	NTFS / VxVM

Red Hat Enterprise Linux 5

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
FlashSnap	Veritas Storage Foundation	File System	FlashBackup-Windows Local Snapshot	VxFS / VxVM
vxvm	Veritas Storage Foundation	File System	FlashBackup-Windows Local Snapshot	VxFS / VxVM

Red Hat Enterprise Linux 6

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
vxvm	Veritas Storage Foundation	File System	Local Snapshot Local Snapshot with Instant Recovery	RAW / VxVM VxFS / VxVM

Red Hat Enterprise Linux 7

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
vxvm	Veritas Storage Foundation	File System	Local Snapshot Local Snapshot with Instant Recovery	RAW / VxVM VxFS / VxVM

SUSE Linux Enterprise Server 12

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
FlashSnap	Veritas Storage Foundation	File System	Alternate Client Alternate Client with Instant Recovery	RAW / VxVM VxFS / VxVM
vxvm	Veritas Storage Foundation	File System	Local Snapshot Local Snapshot with Instant Recovery	RAW / VxVM VxFS / VxVM

Oracle Solaris 10 SPARC

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
BLIB [1]	Veritas Storage Foundation	DB2 Agent Oracle Agent SAP Oracle Agent	Local Snapshot	VxFS / none VxFS / VxVM
FlashSnap	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	UFS / VxVM VxFS / VxVM
FlashSnap	Veritas Storage Foundation	File System DB2 Agent Oracle Agent SAP Oracle Agent	Alternate Client Alternate Client with Instant Recovery	RAW / VxVM UFS / VxVM VxFS / VxVM
nbu_snap	N/A	File System	FlashBackup Local Snapshot	UFS / none UFS / VxVM VxFS / none VxFS / VxVM
nbu_snap	N/A	File System Oracle Agent SAP Oracle Agent	Local Snapshot	Raw / none UFS / none UFS / VxVM VxFS / none VxFS / VxVM
VVR	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	UFS / VxVM VxFS / VxVM
VVR	Veritas Storage Foundation	File System DB2 Agent Oracle Agent SAP Oracle Agent	Alternate Client Alternate Client with Instant Recovery	RAW / VxVM UFS / VxVM VxFS / VxVM
VxFS_Snapshot	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / none VxFS / VxVM
VxFS_Checkpoint	Veritas Storage Foundation	File System DB2 Agent Oracle Agent SAP Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery	VxFS / none VxFS / VxVM

Oracle Solaris 10 SPARC

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
vxvm	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	UFS / VxVM VxFS / VxVM
vxvm	Veritas Storage Foundation	File System DB2 Agent Oracle Agent SAP Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery	RAW / VxVM UFS / VxVM VxFS / VxVM

1. Block-Level Incremental Backup. BLIB is not configured as a snapshot; but as a separate option in the policy. For more information, see the ["NetBackup Administrator's Guide" <http://www.veritas.com/docs/000003214>](http://www.veritas.com/docs/000003214) .

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.

Contents

<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 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</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, 2.6.x.x, or 2.7.x, unless noted otherwise.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. CentOS, Novell Open Enterprise Server (Linux), and Oracle Linux are not supported with OpenStorage, unless noted otherwise.
Configuration considerations	<p>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.</p>
Operating system support added	<p>1. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.</p>
Operating system support dropped	<p>1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and later.</p>

OpenStorage - Supported Functionality

The following table lists NetBackup OpenStorage functionality and indicates the NetBackup 7.7.x version at which that functionality was first supported. For detailed descriptions of OpenStorage functionality, see the ["NetBackup OpenStorage Solutions Guide for Disk" <http://www.veritas.com/docs/000003214>](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	7.7 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 "Accelerator enabled backups of Windows hard linked files to OpenStorage disk storage may cause bptm to crash" <http://www.veritas.com/docs/000025532> .</p> <p>Accelerator is not supported with spanned Logical Storage Units (LSU).</p>
Accelerator with NDMP	Accel_NDMP	7.7.1	<p>Supported with NetApp FAS and V series filers.</p> <p>For more information on this feature, see the "NetBackup for NDMP Administrator's Guide" <http://www.veritas.com/docs/000003214> .</p> <p>Accelerator with NDMP is not supported with spanned LSUs.</p>
Accelerator with VMware-type policies	Accel_VMware	7.7 GA	<p>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.</p> <p>Accelerator with VMware-type policies is not supported with spanned LSUs.</p>
Auto Image Replication	A.I.R.	7.7 GA	<p>For more information on configuring Auto Image Replication, see "About the storage lifecycle policies required for Auto Image Replication" <http://www.veritas.com/docs/000120198> .</p> <p>In configurations running both A.I.R. and Targeted A.I.R., Veritas recommends setting the Storage Lifecycle Policies parameter "Auto create A.I.R. import SLP" to "No" and creating non-Targeted A.I.R. import policies only where desired.</p> <p>Only one media server should be configured to each target Logical Storage Unit (LSU).</p> <p>Each source and target storage server should have its credentials configured in only one NetBackup domain.</p>

OpenStorage Functionality	Abbreviation	Start of Support	Notes
Targeted Auto Image Replication	Targeted_A.I.R.	7.7 GA	<p>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.</p> <p>In configurations running both A.I.R. and Targeted A.I.R., Veritas recommends setting the Storage Lifecycle Policies parameter "Auto create A.I.R. import SLP" to "No" and creating non-Targeted A.I.R. import policies only where desired.</p> <p>Only one media server should be configured to each target Logical Storage Unit (LSU).</p> <p>Each source and target storage server should have its credentials configured in only one NetBackup domain.</p> <p>When support for Targeted A.I.R. is shown in the tables below, all replication topologies are supported, unless noted otherwise.</p>
Direct Copy to dedicated tape drives	Direct_Copy	7.7 GA	
Direct Copy to shared tape drives	Direct_Copy_Shared	7.7 GA	
Granular Recovery Technology	Granular_Recovery	7.7 GA	Support for the Veritas NetBackup OpenStorage Granular Recovery Technology feature is described in " Granular Restore Technology (GRT) support for NetBackup with PureDisk (PDDO/PDDE) " < http://www.veritas.com/docs/000009237 > and " Granular Restore Technology (GRT) support for NetBackup with 3rd-party OpenStorage Secondary Storage Solutions " < http://www.veritas.com/docs/000085639 > .
Granular Recovery Technology with VMware-type policies	GRT_VMware	7.7 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 " Granular Restore Technology (GRT) support for NetBackup with PureDisk (PDDO/PDDE) " < http://www.veritas.com/docs/000009237 > and " Granular Restore Technology (GRT) support for NetBackup with 3rd-party OpenStorage Secondary Storage Solutions " < http://www.veritas.com/docs/000085639 > .
Instant Recovery for VMware	IR_VMware	7.7 GA	Support for restoring virtual machines with Instant Recovery is described in the " NetBackup for VMware Administrator's Guide " < http://www.veritas.com/docs/000003214 > . For details on supported platforms for instant recovery restore hosts, see " Support for NetBackup 7.x and 8.x in virtual environments " < http://www.veritas.com/docs/000006177 > .
NetBackup Encryption Key Management Service	KMS	7.7 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	7.7 GA	Optimized Duplication transfers data in 256 KB chunks.
Optimized Duplication (Whole Image Copy)	WI_Opt_Dup	7.7 GA	Whole image Optimized Duplication uses the storage unit's Maximum fragment size to transfer an entire NetBackup image fragment in a single operation.
Optimized Synthetics	Opt_Synth	7.7 GA	Storage Lifecycle Policies are not supported in policies that use the multiple copy synthetic backups method. For details, see " Storage lifecycle policies are not supported in policies that use the multiple copy synthetic backups method " < 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. For more information on configuring S3 solutions, see "About the cloud storage providers" in the "[NetBackup Cloud Administrator's Guide](https://www.veritas.com/content/support/en_US/doc/ka6j000000004pKAAQ)" <https://www.veritas.com/content/support/en_US/doc/ka6j000000004pKAAQ> .
2. Atmos Cloud Storage - This method uses the NetBackup Atmos connector, a plug-in included with NetBackup. For more information on configuring these solutions, see "About the cloud storage providers" in the "[NetBackup Cloud Administrator's Guide](https://www.veritas.com/content/support/en_US/doc/ka6j000000004pKAAQ)" <https://www.veritas.com/content/support/en_US/doc/ka6j000000004pKAAQ> .
3. Rackspace Cloud Storage - This method uses the NetBackup Rackspace connector, a plug-in included with NetBackup. For more information on configuring these solutions, see "About the cloud storage providers" in the "[NetBackup Cloud Administrator's Guide](https://www.veritas.com/content/support/en_US/doc/ka6j000000004pKAAQ)" <https://www.veritas.com/content/support/en_US/doc/ka6j000000004pKAAQ> .
4. OST - This method uses a third-party OpenStorage Technology plug-in.
5. AdvancedDisk Targets - This method uses third-party hardware or software to make the cloud appear as an [AdvancedDisk storage unit](#) to NetBackup.
6. 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
ACP IT Solutions	NetBackup S3 connector
Amazon AWS Storage Gateway	Amazon AWS VTL
Amazon GovCloud Simple Storage Service	NetBackup S3 connector
Amazon GovCloud Simple Storage Service - Infrequent Access	NetBackup S3 connector
Amazon Simple Storage Service (S3) Standard	NetBackup S3 connector
Amazon Simple Storage Service (S3) Standard - Infrequent Access	NetBackup S3 connector
AT&T Cloud Storage	NetBackup S3 connector
AT&T Synaptic Storage as a Service	NetBackup Atmos connector
China Mobile CMCC Cloud Storage	NetBackup S3 connector
China Telecom OOS	NetBackup S3 connector
Chunghwa Telecom Hicloud S3	NetBackup S3 connector
Cloudian HyperStore Object Storage	NetBackup S3 connector

Cloud Providers and Technology Methods

Cloud Provider	Technology method
Datish Systems OpenDedup	Datish Systems-provided OST plug-in
Dell EMC ATMOS Object Storage	NetBackup S3 connector
Dell EMC Elastic Cloud Storage	NetBackup S3 connector
Deutsche Telekom Open Telekom Cloud	NetBackup S3 connector
Fujitsu Storage ETERNUS CD10000	NetBackup S3 connector
Google Cloud Storage Coldline	NetBackup S3 connector
Google Cloud Storage Multi-Regional	NetBackup S3 connector
Google Cloud Storage Nearline	NetBackup S3 connector
Google Cloud Storage Regional	NetBackup S3 connector
HGST Active Archive and ActiveScale Cloud Storage Systems	NetBackup S3 connector
Hitachi Content Platform	NetBackup S3 connector
IBM Cloud Object Storage	NetBackup S3 connector
Infonika SWISS3CLOUD	NetBackup S3 connector
Iron Mountain Iron Cloud	NetBackup S3 connector
Microsoft Azure StorSimple	NetBackup AdvancedDisk target
NEC Cloud IaaS	NetBackup S3 connector
NEC HYDRastor/iStorage/NEC Storage	NetBackup S3 connector
NetApp AltaVault	NetApp-provided OST plug-in
NetApp StorageGRID	NetBackup S3 connector
NooBaa	NetBackup S3 connector
Oracle Storage Cloud Service	NetBackup S3 connector
Quantum Lattus Object Storage	NetBackup S3 connector
Quantum Q-Cloud Protect	Quantum-provided OST plug-in
Quantum Q-Cloud Protect for AWS	Quantum-provided OST plug-in
Rackspace Cloud Files	NetBackup Rackspace connector
Red Hat Ceph Storage	NetBackup S3 connector

Cloud Providers and Technology Methods

Cloud Provider	Technology method
Scality RING Storage	NetBackup S3 connector
StorReduce Deduplicate Cloud Storage	NetBackup S3 connector
SUSE Enterprise Storage	NetBackup S3 connector
SwiftStack Object Storage	NetBackup S3 connector
Telefonica Open Cloud	NetBackup S3 connector
Veritas Access	NetBackup S3 connector

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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OST Cloud - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the "NetBackup 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</p> <ol style="list-style-type: none">1. In the vendor compatibility tables below, the column "NetBackup Version Containing Plug-in" indicates the NetBackup 7.7.x version at which that cloud storage solution was first supported.2. Cloud support on Windows platforms requires Windows 2008 R2 or later.3. Where support for Ceph storage is shown, it means that vendor's Ceph solution is supported. Other Ceph-based solutions are not supported.

Subject	Notes
Configuration considerations	<p>1. NetBackup is configured to trust a number of well-known public Certificate Authorities (CA) related to Cloud storage. However, there are instances where, for internal purposes, you may need to add your own self-signed CA certificate. For information on adding a self-signed CA certificate, please refer to "Cloud Storage Configuration: How To Add a Self-Signed CA Certificate" <http://www.veritas.com/docs/000115986> .</p> <p>2. NetBackup-provided Cloud connectors are not supported with IPv6, unless noted otherwise. Configuring these plug-ins with IPv6 may result in unpredictable behavior.</p>
Operating system support added	1. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and later.

OST Cloud - Configuration Files

NetBackup support for new cloud providers is accomplished through the use of cloud configuration files. The latest version of this file is included in NetBackup release updates and is also available for download independently on the Veritas support site. This file is updated whenever new cloud provider support is needed independent of NetBackup release updates. This file is cumulative, so the most recent version contains all support added in earlier versions. The column "NetBackup version" indicates the NetBackup Master Server version that the Cloud Configuration package requires for installation.

For more information on configuring Cloud solutions see "About the cloud storage providers" in the "[NetBackup Cloud Administrator's Guide](https://www.veritas.com/content/support/en_US/doc/ka6j000000004pKAAQ)" <https://www.veritas.com/content/support/en_US/doc/ka6j000000004pKAAQ> .

Note: There are now separate Cloud Configuration packages for NetBackup 7.7.1 and later (package versions 2.1.x) and NetBackup 8.0 and later (package versions 2.2.x). For new NetBackup 7.7.1 or later installations or reinstallations, use the current 2.1.x package listed below. If you are already running a NetBackup 7.7.1 or later configuration with Cloud Configuration packages 2.2.1 through 2.2.4, you do not need to update to 2.1.5.

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.1.16	7.7.1 or later	< http://www.veritas.com/docs/000097618 >	<ul style="list-style-type: none"> - Amazon (S3) - Europe (Paris) region - IronMountain IronCloud certificate change
2.1.15	7.7.1 or later	Use the most recent version above.	- Amazon - China Ningxia region
2.1.14	7.7.1 or later	Use the most recent version above.	- Telefonica Open Cloud (S3)
2.1.13	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - IBM Cloud Object Storage (S3) - Asia Pacific Cross Region - IBM Cloud Object Storage (S3) - EU Great Britain region - IBM Cloud Object Storage (S3) - Melbourne, Australia single datacenter endpoint - IBM Cloud Object Storage (S3) - Toronto, Canada single datacenter endpoint - Infoniq SWISS3CLOUD (S3) - NEC HYDRAsTOR/iStorage/NEC Storage (S3) - NEC IaaS (S3)

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.1.12	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - Amazon GovCloud (S3) - changed chunk and buffer size - IBM Cloud Object Storage (S3) - Cold storage class - IBM Cloud Object Storage (S3) - Flex storage class - IBM Cloud Object Storage (S3) - Standard storage class - IBM Cloud Object Storage (S3) - Vault storage class - IBM Cloud Object Storage (S3) - Vault storage class - IBM Cloud Object Storage (S3) - EU Cross Region - IBM Cloud Object Storage (S3) - US Cross Region - IBM Cloud Object Storage (S3) - US East Region - IBM Cloud Object Storage (S3) - EU South Region - Iron Mountain Iron Cloud (S3) - NetApp StorageGRID (S3) - LAN - NooBaa (S3) - Oracle Cloud Infrastructure (S3)
2.1.11	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - Amazon (S3) - Object size improvement - NetApp StorageGRID WAN (S3) - IBM COS WAN (S3) - enables custom cloud instances for VPC URL support - IBM COS WAN (S3) - US South region - IBM COS WAN (S3) - US East region - IBM COS WAN (S3) - EU Cross-region
2.1.9	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - ACP IT Solutions CS3 Cloud (S3) - Amazon - Changed "Standard" region to "US East (N. Virginia)" - China Telecom OOS Cloud (S3) - Google - Australia-Southeast1 region - Google - Europe-West2 region - Google - Europe-West3 region - Google - US-East4 region - Google Coldline & Nearline - added regions
2.1.8	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - Fujitsu Storage ETERNUS CD10000 (S3) - SUSE Enterprise Storage (S3)
2.1.7	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - Deutsche Telekom Open Telekom Cloud (S3) - Google Cloud Storage - Regional (S3) - Google Cloud Storage - Multi-Regional (S3) - Hitachi Cloud Services (S3) - Changed to "Hitachi Content Platform - WAN" - Red Hat Ceph Storage (S3) - Veritas Access (S3) - Verizon Cloud (S3) - Removed support

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.1.6	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - Amazon - Canada Central region - Amazon - London region - Amazon - Ohio region - IBM Cloud Object Storage - Local and WAN performance improvement
2.1.5	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - Amazon GovCloud (S3) - Infrequent Access - Amazon - Mumbai region - Amazon Virtual Private Cloud (VPC) and Amazon custom cloud instance - AT&T Cloud Storage (S3) - China Mobile CMCC Cloud Storage (S3) - Chunghwa Telecom Hicloud (S3) - default Cloud Instance - Dell EMC Elastic Cloud Storage (S3) - Google Cloud Storage (S3) - Coldline Storage Class - IBM Cloud Object Storage - Local and WAN (S3) - Oracle Cloud Service (S3) - Quantum Lattus Object Storage (S3) - Scalify RING Storage for LAN (S3) - Scalify RING Storage for WAN (S3)
2.1.4	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - Chunghwa Telecom Hicloud S3 - StorReduce Deduplicate Cloud Storage - Telefonica Cloud Storage
2.1.3	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - HGST Active Archive and ActiveScale Cloud Storage Systems performance enhancement - Dell EMC ATMOS
2.1.2	7.7.1 or later	Use the most recent version above.	<ul style="list-style-type: none"> - Amazon Simple Storage Service (S3) Seoul and Beijing regions - HGST Active Archive and ActiveScale Cloud Storage Systems - Hitachi Content Platform (HCP) S3-specific support - SwiftStack Object Storage
2.0.2	7.7.1	Use the most recent version above.	<ul style="list-style-type: none"> - Amazon Simple Storage Service (S3) Standard - Infrequent Access (IA)

OST Cloud - Links to Vendor Sites

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

Vendor	URL
ACP IT Solutions	http://www.acpcloud.rocks/
Amazon	AWS S3 - http://aws.amazon.com/s3 AWS GovCloud - http://aws.amazon.com/govcloud-us/ AWS Virtual Private Cloud (VPC) - https://aws.amazon.com/vpc/
AT&T	Cloud Storage (S3) - http://www.att.com/cloud Synaptic Storage as a Service - https://www.synaptic.att.com
China Mobile (CMCC)	https://ecloud.10086.cn/
China Telecom	http://www.ctyun.cn/
Chunghwa Telecom	http://hicloud.hinet.net/
Cloudian	http://www.cloudian.com/
Datish Systems (OpenDedup)	http://www.openedup.org
Dell EMC	Atmos - http://www.emc.com/storage/atmos/atmos.htm Elastic Cloud Storage - http://www.emc.com/storage/ecs/index.htm
Deutsche Telekom	https://cloud.telekom.de/en/
Fujitsu	http://www.fujitsu.com/global/products/computing/storage/eternus-cd/
Google	Coldline - https://cloud.google.com/storage/archival Nearline - https://cloud.google.com/storage-nearline/ Regional/Multi-Regional - https://cloud.google.com/about/locations/
HGST	http://www.hgst.com/products/systems
Hitachi	https://www.hitachivantara.com/en-us/products/cloud-object-platform/content-platform.html
IBM	Cloud Object Storage - https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/
Infonika	https://www.infonika.ch/cloud-services/swiss3cloud/
Iron Mountain	http://www.ironmountain.com/
NEC	HYDRAsTOR - http://www.necam.com/HYDRAsTOR/ IaaS - http://jpn.nec.com/cloud/service/platform_service/iaas.html

Vendor	URL
NetApp	AltaVault - < http://www.netapp.com/us/products/protection-software/altavault/ > StorageGRID - < http://www.netapp.com/us/products/data-management-software/object-storage-grid-sds.aspx >
NooBaa	< http://www.noobaa.com/ >
Oracle	< https://cloud.oracle.com/home >
Quantum	Lattus - < http://www.quantum.com/products/bigdatamanagement/lattus/index.aspx > Q-Cloud - < http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/OSTClientPlugIn/Index.aspx >
Rackspace	< http://www.rackspace.com >
Red Hat	< https://www.redhat.com/en/technologies/storage/ceph >
Scality	< http://www.scality.com/ >
StorReduce	< http://storreduce.com/ >
SUSE	< https://www.suse.com/products/suse-enterprise-storage/ >
SwiftStack	< https://www.swiftstack.com >
Telefonica	< https://www.cloud.telefonica.com/en/open-cloud/ >
Veritas	Access - < https://www.veritas.com/product/software-defined-storage/access >

OST Cloud - Vendor Compatibility

Contents

<u>ACP</u>	<u>Amazon</u>	<u>AT&T</u>
<u>China Mobile</u>	<u>China Telecom</u>	<u>Chunghwa Telecom</u>
<u>Cloudian</u>	<u>Datish Systems (OpenDedup)</u>	<u>Dell EMC</u>
<u>Deutsche Telekom</u>	<u>Fujitsu</u>	<u>Google</u>
<u>HGST</u>	<u>Hitachi</u>	<u>IBM</u>
<u>Infoniga</u>	<u>Iron Mountain</u>	<u>NEC</u>
<u>NetApp</u>	<u>NooBaa</u>	<u>Oracle</u>
<u>Quantum</u>	<u>Rackspace</u>	<u>Red Hat</u>
<u>Scality</u>	<u>StorReduce</u>	<u>SUSE</u>
<u>SwiftStack</u>	<u>Telefonica</u>	<u>Veritas</u>

ACP

ACP - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
CS3 [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires NetBackup Cloud Configuration Package version 2.1.9 or later.

ACP - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
CS3 [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. Requires NetBackup Cloud Configuration Package version 2.1.9 or later.

Amazon

Amazon - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
GovCloud Simple Storage Service	NetBackup 7.7 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
GovCloud Simple Storage Service - Infrequent Access (IA) [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	Enterprise Edition	Datacenter	6, 7	11, 12
Simple Storage Service (S3) Standard	NetBackup 7.7 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), Europe (Frankfurt), Europe (Ireland), South America (Sao Paulo), US East (N. Virginia), US West (N. California), US West (Oregon)	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
Simple Storage Service (S3) Standard [2] [3] [4] [5] [6]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia Pacific (Mumbai), Asia Pacific (Seoul), Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), China (Beijing), China (Ningxia), Europe (Frankfurt), Europe (Ireland), Europe (London), Europe (Paris), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	Enterprise Edition [7]	Datacenter [7]	6, 7 [7]	10, 11, 12 [7]
Simple Storage Service (S3) Standard - Infrequent Access (IA) [2] [3] [4] [5] [8]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia Pacific (Mumbai), Asia Pacific (Seoul), Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), China (Beijing), China (Ningxia), Europe (Frankfurt), Europe (Ireland), Europe (London), Europe (Paris), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	Enterprise Edition [7]	Datacenter [7]	5, 6, 7 [7]	10, 11, 12 [7]

1. Requires NetBackup 7.7.1 or later AND Cloud Configuration Package version 2.1.5 or later.

2. Support for the Central Canada, London, and Ohio regions requires Cloud Configuration Package version 2.1.6 or later.
3. Support for the Mumbai region requires NetBackup 7.7.1 or later AND Cloud Configuration Package version 2.1.5 or later.
4. Support for the Ningxia region requires Cloud Configuration Package version 2.1.15 or later.
5. Support for the Paris region requires Cloud Configuration Package version 2.1.16 or later.
6. Support for the Seoul or Beijing regions requires NetBackup 7.7.1 or later AND Cloud Configuration Package version 2.1.2 or later.
7. Amazon Virtual Private Cloud (VPC) is supported with this platform on all regions except US East (N. Virginia). NetBackup 7.7.1 or later and Cloud Configuration Package 2.1.5 or later is required for Amazon VPC support.
8. Requires NetBackup 7.7.2 or later OR NetBackup 7.7.1 Cloud Configuration Package version 2.0.2 or later.

Amazon - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
GovCloud Simple Storage Service	NetBackup 7.7 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	6.1, 7.1	11.31	10, 11
GovCloud Simple Storage Service - Infrequent Access (IA) [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	6.1, 7.1	11.31	10, 11
Simple Storage Service (S3) Standard	NetBackup 7.7 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), Europe (Frankfurt), Europe (Ireland), South America (Sao Paulo), US East (N. Virginia), US West (N. California), US West (Oregon)	6.1, 7.1	11.31	10, 11
Simple Storage Service (S3) Standard [2] [3] [4] [5] [6]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia Pacific (Mumbai), Asia Pacific (Seoul), Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), China (Beijing), China (Ningxia), Europe (Frankfurt), Europe (Ireland), Europe (London), Europe (Paris), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	6.1, 7.1	11.31	10, 11
Simple Storage Service (S3) Standard - Infrequent Access (IA) [2] [3] [4] [5] [7]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia Pacific (Mumbai), Asia Pacific (Seoul), Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), Canada (Central), China (Beijing), China (Ningxia), Europe (Frankfurt), Europe (Ireland), Europe (London), Europe (Paris), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	6.1, 7.1	11.31	10, 11

1. Requires NetBackup 7.7.1 or later AND Cloud Configuration Package version 2.1.5 or later.
2. Support for the Central Canada, London, and Ohio regions requires Cloud Configuration Package version 2.1.6 or later.
3. Support for the Mumbai region requires NetBackup 7.7.1 or later AND Cloud Configuration Package version 2.1.5 or later.
4. Support for the Ningxia region requires Cloud Configuration Package version 2.1.15 or later.
5. Support for the Paris region requires Cloud Configuration Package version 2.1.16 or later.
6. Support for the Seoul or Beijing regions requires NetBackup 7.7.1 or later AND Cloud Configuration Package version 2.1.2 or later.
7. Requires NetBackup 7.7.2 or later OR NetBackup 7.7.1 Cloud Configuration Package version 2.0.2 or later.

AT&T

AT&T - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Cloud Storage [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12
Synaptic Storage as a Service [2]	NetBackup 7.7 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

1. Requires Cloud Configuration Package version 2.1.5 or later.

2. **This solution is not supported with NetBackup 8.1.2 and later.** Cloud Configuration XML versions 2.5.0 (included with NetBackup 8.1.2) and later do not contain information needed for configuring this solution.

AT&T - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Cloud Storage [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11
Synaptic Storage as a Service [2]	NetBackup 7.7 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.5 or later.

2. **This solution is not supported with NetBackup 8.1.2 and later.** Cloud Configuration XML versions 2.5.0 (included with NetBackup 8.1.2) and later do not contain information needed for configuring this solution.

China Mobile

China Mobile - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
CMCC Cloud Storage [1]	NetBackup 7.7.3 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires NetBackup Cloud Configuration Package version 2.1.5 or later and an Emergency Engineering Binary (EEB). Contact Veritas Support and ask for the EEB associated with Etrack 3882307 for NetBackup 7.7.3.

China Mobile - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
CMCC Cloud Storage [1]	NetBackup 7.7.3 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. Requires NetBackup Cloud Configuration Package version 2.1.5 or later and an Emergency Engineering Binary (EEB). Contact Veritas Support and ask for the EEB associated with Etrack 3882307 for NetBackup 7.7.3.

China Telecom

China Telecom - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
OOS [1]	NetBackup 7.7.1 and later S3 Connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires NetBackup Cloud Configuration Package version 2.1.9 or later.

China Telecom - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
OOS [1]	NetBackup 7.7.1 and later S3 Connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. Requires NetBackup Cloud Configuration Package version 2.1.9 or later.

Chunghwa Telecom

Chunghwa Telecom - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Hicloud S3 [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.4 or later.
2. The Default Cloud Instance option is available in Cloud Configuration Package version 2.1.5 and later.

Chunghwa Telecom - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Hicloud S3 [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.4 or later.
2. The Default Cloud Instance option is available in Cloud Configuration Package version 2.1.5 and later.

Cloudian

Cloudian - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HyperStore Object Storage	NetBackup 7.7 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

Cloudian - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
HyperStore Object Storage	NetBackup 7.7 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	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	Locales / Regions	Red Hat Enterprise Linux on x86-64
OpenDedup [1]	OpenDedup 1.0 Plug-in	Accelerator, Accel_VMware	On-Premises	6, 7 [2] [3] [4]
OpenDedup	OpenDedup 2.2 Plug-in	Accelerator, Accel_NDMP, Accel_VMware, KMS, Targeted_A.I.R., WI_Opt_Dup	On-Premises	6, 7

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

Dell EMC

Dell EMC - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ATMOS Object Storage [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12
Elastic Cloud Storage [2] [3] [4]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales, On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.3 or later.
2. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
3. Requires Cloud Configuration Package version 2.1.5 or later.
4. SSL is not supported at this time.

Dell EMC - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
ATMOS Object Storage [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11
Elastic Cloud Storage [2] [3] [4]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales, On-Premises	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.3 or later.

2. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
3. Requires Cloud Configuration Package version 2.1.5 or later.
4. SSL is not supported at this time.

Deutsche Telekom - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Open Telekom Cloud [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	EU (Germany)	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.7 or later.

Deutsche Telekom - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Open Telekom Cloud [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	EU (Germany)	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.7 or later.

Fujitsu

Fujitsu - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CD10000 [1]	NetBackup 7.7.3 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires NetBackup Cloud Configuration Package version 2.1.8 or later and an Emergency Engineering Binary (EEB). Contact Veritas Support and ask for the EEB associated with Etrack 3881336 for NetBackup 7.7.3.

Fujitsu - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
ETERNUS CD10000 [1]	NetBackup 7.7.3 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Requires NetBackup Cloud Configuration Package version 2.1.8 or later and an Emergency Engineering Binary (EEB). Contact Veritas Support and ask for the EEB associated with Etrack 3881336 for NetBackup 7.7.3.

Google - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Cloud Storage - Multi-Regional [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia (Multi-Regional), EU (Multi-Regional), US (Multi-Regional)	Enterprise Edition	Datacenter	6, 7	11, 12
Cloud Storage - Regional [1] [2] [3]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU-West1, EU-West2, EU-West3, US-Central1, US-East1, US-East4, US-West1	Enterprise Edition	Datacenter	6, 7	11, 12
Cloud Storage Coldline [1] [4] [5]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia (Multi-Regional), Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU (Multi-Regional), EU-West1, EU-West2, EU-West3, US (Multi-Regional), US-Central1, US-East1, US-East4, US-West1	Enterprise Edition	Datacenter	6, 7	11, 12
Cloud Storage Nearline [1] [5]	NetBackup 7.7 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia (Multi-Regional), Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU (Multi-Regional), EU-West1, EU-West2, EU-West3, US (Multi-Regional), US-Central1, US-East1, US-East4, US-West1	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

1. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.

2. Requires Cloud Configuration Package version 2.1.7 or later.

3. Support for the Australia-Southeast1, EU-West2, EU-West3, and US-East4 regions requires Cloud Configuration Package version 2.1.9 or later.

4. Requires Cloud Configuration Package version 2.1.5 or later.

5. Support for the Asia (Multi-Regional), Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU (Multi-Regional), EU-West1, EU-West2, EU-West3, US (Multi-Regional), US-Central1, US-East1, US-East4, and US-West1 regions requires Cloud Configuration Package version 2.1.9 or later.

Google - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Cloud Storage - Multi-Regional [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia (Multi-Regional), EU (Multi-Regional), US (Multi-Regional)	6.1, 7.1	11.31	10, 11
Cloud Storage - Regional [1] [2] [3]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU-West1, EU-West2, EU-West3, US-Central1, US-East1, US-East4, US-West1	6.1, 7.1	11.31	10, 11
Cloud Storage Coldline [1] [4] [5]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia (Multi-Regional), Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU (Multi-Regional), EU-West1, EU-West2, EU-West3, US (Multi-Regional), US-Central1, US-East1, US-East4, US-West1	6.1, 7.1	11.31	10, 11
Cloud Storage Nearline [1] [5]	NetBackup 7.7 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	Asia (Multi-Regional), Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU (Multi-Regional), EU-West1, EU-West2, EU-West3, US (Multi-Regional), US-Central1, US-East1, US-East4, US-West1	6.1, 7.1	11.31	10, 11

1. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
2. Requires Cloud Configuration Package version 2.1.7 or later.
3. Support for the Australia-Southeast1, EU-West2, EU-West3, and US-East4 regions requires Cloud Configuration Package version 2.1.9 or later.
4. Requires Cloud Configuration Package version 2.1.5 or later.
5. Support for the Asia (Multi-Regional), Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU (Multi-Regional), EU-West1, EU-West2, EU-West3, US (Multi-Regional), US-Central1, US-East1, US-East4, and US-West1 regions requires Cloud Configuration Package version 2.1.9 or later.

HGST

HGST - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Active Archive and ActiveScale Systems [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
2. Requires Cloud Configuration Package version 2.1.2 or later.

HGST - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Active Archive and ActiveScale Systems [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
2. Requires Cloud Configuration Package version 2.1.2 or later.

Hitachi

Hitachi - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	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] [2] [3]	NetBackup 7.7.1 and later S3 connector	Accelerator, AcceL_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.2 or later.
2. Supported in LAN and WAN environments.
3. The versioning feature must be enabled in the Hitachi cloud storage settings for both the tenant and the bucket.

Hitachi - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Content Platform (HCP) [1] [2] [3]	NetBackup 7.7.1 and later S3 connector	Accelerator, AcceL_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.2 or later.
2. Supported in LAN and WAN environments.
3. The versioning feature must be enabled in the Hitachi cloud storage settings for both the tenant and the bucket.

IBM

IBM - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Cloud Object Storage - Cold Vault [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU Great Britain, US Cross Region, US East, US South	Enterprise Edition	Datacenter	6, 7	11, 12
Cloud Object Storage - Flex [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU Great Britain, US Cross Region, US East, US South	Enterprise Edition	Datacenter	6, 7	11, 12
Cloud Object Storage - Private [3] [4]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12
Cloud Object Storage - Standard [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU Great Britain, US Cross Region, US East, US South	Enterprise Edition	Datacenter	6, 7	11, 12
Cloud Object Storage - Vault [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU Great Britain, US Cross Region, US East, US South	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.12 or later.
2. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.1.13 or later.
3. Requires Cloud Configuration Package version 2.1.5 or later.
4. Supported in LAN and WAN environments. Support for LAN environments requires version 3.8 or later storage server software.

IBM - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Cloud Object Storage - Cold Vault [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU Great Britain, US Cross Region, US East, US South	6.1, 7.1	11.31	10, 11
Cloud Object Storage - Flex [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU Great Britain, US Cross Region, US East, US South	6.1, 7.1	11.31	10, 11
Cloud Object Storage - Private [3] [4]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11
Cloud Object Storage - Standard [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU Great Britain, US Cross Region, US East, US South	6.1, 7.1	11.31	10, 11
Cloud Object Storage - Vault [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU Great Britain, US Cross Region, US East, US South	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.12 or later.
2. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.1.13 or later.
3. Requires Cloud Configuration Package version 2.1.5 or later.
4. Supported in LAN and WAN environments. Support for LAN environments requires version 3.8 or later storage server software.

Infoniqa

Infoniqa - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
SWISS3CLOUD [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.13 or later.

Infoniqa - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
SWISS3CLOUD [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.13 or later.

Iron Mountain

Iron Mountain - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Iron Cloud [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.12 or later.

Iron Mountain - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Iron Cloud [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.12 or later.

NEC

NEC - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Cloud IaaS [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12
HYDRAsor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen) [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.13 or later.

NEC - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Cloud IaaS [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11
HYDRAsor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

NEC - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
HYDRAstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen) [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.13 or later.

NetApp

NetApp - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
AltaVault [1] [2]	NetApp 1.0 Plug-in	Opt_Dup	On-Premises	Enterprise Edition	Datacenter	6, 7	No
AltaVault [1] [2]	NetApp 1.2 Plug-in	Opt_Dup	On-Premises	Enterprise Edition	Datacenter	6, 7	No
StorageGRID Webscale Object Storage [3]	NetBackup 7.7.1 and later S3 Connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12

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.
3. Requires NetBackup Cloud Configuration Package version 2.1.11 or later.

NetApp - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
StorageGRID Webscale Object Storage [1]	NetBackup 7.7.1 and later S3 Connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. Requires NetBackup Cloud Configuration Package version 2.1.11 or later.

NooBaa

NooBaa - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
NooBaa [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales, On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.12 or later.

NooBaa - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
NooBaa [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales, On-Premises	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.12 or later.

Oracle

Oracle - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Cloud Service [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.5 or later.

Oracle - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Cloud Service [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.5 or later.

Quantum

Quantum - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Lattus Object Storage [1] [2] [3]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12
Q-Cloud Protect [4] [5]	Quantum 2.9 Plug-in	A.I.R., Opt_Dup, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6	No
Q-Cloud Protect [4] [5]	Quantum 3.0 Plug-in	A.I.R., Opt_Dup, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	No
Q-Cloud Protect [4] [5]	Quantum 3.1 Plug-in	A.I.R., Opt_Dup, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12
Q-Cloud Protect for AWS [6]	Quantum 3.1 Plug-in	A.I.R., Opt_Dup, Opt_Synth	All Locales, On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
2. Requires Cloud Configuration Package version 2.1.5 or later.
3. SSL is not supported.
4. Data-at-Rest encryption is supported with the DXi6802 and DXi8500 (3TB) models.
5. 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.
6. For information on how to setup Q-Cloud Protect for AWS with NetBackup, go to <http://www.quantum.com/q-cloudprotectdocs>.

Quantum - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Lattus Object Storage [1] [2] [3]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
2. Requires Cloud Configuration Package version 2.1.5 or later.
3. SSL is not supported.

Rackspace

Rackspace - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	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 7.7 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

1. **This solution is not supported with NetBackup 8.1.2 and later.** Cloud Configuration XML versions 2.5.0 (included with NetBackup 8.1.2) and later do not contain information needed for configuring this solution.

Rackspace - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Cloud Files [1]	NetBackup 7.7 and later	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales	6.1, 7.1	11.31	10, 11

1. **This solution is not supported with NetBackup 8.1.2 and later.** Cloud Configuration XML versions 2.5.0 (included with NetBackup 8.1.2) and later do not contain information needed for configuring this solution.

Red Hat

Red Hat - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Ceph Storage [1]	NetBackup 7.7.3 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires NetBackup Cloud Configuration Package version 2.1.7 or later and an Emergency Engineering Binary (EEB). Contact Veritas Support and ask for the EEB associated with Etrack 3881336 for NetBackup 7.7.3.

Red Hat - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Ceph Storage [1]	NetBackup 7.7.3 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Requires NetBackup Cloud Configuration Package version 2.1.7 or later and an Emergency Engineering Binary (EEB). Contact Veritas Support and ask for the EEB associated with Etrack 3881336 for NetBackup 7.7.3.

Scality

Scality - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
RING Storage [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	All Locales, On-Premises	Enterprise Edition	Datacenter	7

1. Requires Cloud Configuration Package version 2.1.5 or later.
2. Supported in LAN and WAN environments.

StorReduce

StorReduce - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Deduplicate Cloud Storage [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. On August 21st, 2018, Pure Storage acquired StorReduce. Future product offerings will be listed in a Pure Storage table in this section.
2. Requires Cloud Configuration Package version 2.1.4 or later.

StorReduce - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Deduplicate Cloud Storage [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. On August 21st, 2018, Pure Storage acquired StorReduce. Future product offerings will be listed in a Pure Storage table in this section.
2. Requires Cloud Configuration Package version 2.1.4 or later.

SUSE

SUSE - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
SUSE Enterprise Storage [1]	NetBackup 7.7.3 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires NetBackup Cloud Configuration Package version 2.1.8 or later and an Emergency Engineering Binary (EEB). Contact Veritas Support and ask for the EEB associated with Etrack 3881336 for NetBackup 7.7.3.

SUSE - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
SUSE Enterprise Storage [1]	NetBackup 7.7.3 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Requires NetBackup Cloud Configuration Package version 2.1.8 or later and an Emergency Engineering Binary (EEB). Contact Veritas Support and ask for the EEB associated with Etrack 3881336 for NetBackup 7.7.3.

SwiftStack

SwiftStack - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Object Storage [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12

1. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
2. Requires Cloud Configuration Package version 2.1.2 or later.

SwiftStack - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Object Storage [1] [2]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Creating a disk volume via the NetBackup Admin Console or CLI is not supported with this solution. Create the bucket outside of NetBackup using the cloud provider's interface.
2. Requires Cloud Configuration Package version 2.1.2 or later.

Telefonica

Telefonica - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Open Cloud [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	NA Mexico, NA USA, SA Argentina, SA Brazil, SA Chile, SA Peru	Enterprise Edition	Datacenter	6, 7	11, 12

1. Requires Cloud Configuration Package version 2.1.14 or later.

Telefonica - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Open Cloud [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	NA Mexico, NA USA, SA Argentina, SA Brazil, SA Chile, SA Peru	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.14 or later.

Veritas

Veritas - Support with Windows / Linux

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Veritas Access [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	Enterprise Edition	Datacenter	6, 7	11, 12
Veritas Access	OpenDedup 2.2 Plug-in	Accelerator, Accel_NDMP, Accel_VMware, KMS, Targeted_A.I.R., WI_Opt_Dup	On-Premises	No	No	6, 7	No

1. Requires Cloud Configuration Package version 2.1.7 or later.

Veritas - Support with UNIX

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	Supported OpenStorage Functionality	Locales / Regions	AIX on POWER	HP-UX on IA64	Solaris on SPARC
Veritas Access [1]	NetBackup 7.7.1 and later S3 connector	Accelerator, Accel_VMware, KMS, Opt_Synth	On-Premises	6.1, 7.1	11.31	10, 11

1. Requires Cloud Configuration Package version 2.1.7 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 - Links to Vendor Sites](#)

[OST Storage Servers - Vendor Compatibility](#)

OST Storage Servers - Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the " NetBackup 7.7 - 7.7.x Operating System Software Compatibility List " < https://www.veritas.com/docs/100015485 > . 1. All OpenStorage Servers are compatible with the NetBackup Data Protection Optimization Option 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).
Vendor support considerations	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. 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. 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. 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.)
Configuration considerations	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.

Subject	Notes
Operational considerations	<ol style="list-style-type: none"> 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. 2. The NetBackup Accelerator, Accelerator with NDMP, and Accelerator with VMware-type policies features are not supported with spanned LSUs.
Operating system support added	1. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 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 EMC	< http://www.dell.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/ >
Hewlett Packard Enterprise	< https://www.hpe.com/us/en/storage/storeonce.html >
Hitachi	< http://www.hds.com/ >
H3C	< http://www.h3c.com/en/OurBusiness/Products/Storage/ >
IBM	< http://www.ibm.com/ >
Infinidat	< http://www.infinidat.com/ >
NEC	< http://www.necam.com/HYDRAsor/ >
NetApp	< http://www.netapp.com/us/products/protection-software/altavault/ >
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 >
Quest	< https://www.quest.com/products/dr-series-disk-backup-appliances/ >

Vendor	URL
Sepaton	<http://www.sepaton.com/>
Veritas	<https://www.veritas.com/product/backup-and-recovery/netbackup-appliances/>

OST Storage Servers - Vendor Compatibility

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<u>Cleversafe</u>	<u>Datish Systems (OpenDedup)</u>	<u>Dell EMC</u>
<u>Dell EMC Data Domain</u>	<u>ExaGrid</u>	<u>FalconStor</u>
<u>Fujitsu</u>	<u>H3C</u>	<u>Hewlett Packard Enterprise</u>
<u>Hitachi</u>	<u>IBM</u>	<u>Infinidat</u>
<u>NEC</u>	<u>NetApp</u>	<u>Oracle</u>
<u>Quantum</u>	<u>Quest</u>	<u>SEPATON</u>
<u>Veritas</u>		

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

Datish Systems (OpenDedup)

Datish Systems (OpenDedup) - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Red Hat Enterprise Linux on x86-64
OpenDedup	OpenDedup 2.2 Plug-in	Ethernet	Accelerator, Accel_NDMP, Accel_VMware, Targeted_A.I.R., WI_Opt_Dup	6, 7

Dell EMC

Dell EMC - 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
DR2000v [1]	3.1	Ethernet	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6	10, 11
DR2000v [1]	3.2	Ethernet	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6	10, 11
DR Series	2.0	Ethernet	Granular_Recovery, Opt_Dup	Enterprise Edition	No	5, 6	10, 11
DR Series	3.0	Ethernet	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
DR Series	3.1	Ethernet	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6	10, 11
DR Series	3.2	Ethernet	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6	10, 11

1. This device is a virtual appliance. For compatible versions of VMware, see Dell EMC's and VMware's compatibility lists.

Dell EMC - Family Membership

Storage Server Family	Members
DR Series	DR4000, DR4100, DR6000

Dell EMC Data Domain

Dell EMC Data Domain - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
Appliance series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [1]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Appliance series [1] [2]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Appliance series [1]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Appliance series [1] [2]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
DDX Array series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [1]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
DDX Array series [1] [2]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
DDX Array series [1]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
DDX Array series [1] [2]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Gateway series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes

Dell EMC Data Domain - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
Gateway series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [1]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Gateway series [1] [2]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Gateway series [1]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Gateway series [1] [2]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Global Deduplication Array series	3.2	Ethernet	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.2	Fibre Channel	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.3	Ethernet	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.3	Fibre Channel	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.4	Ethernet	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.4	Fibre Channel	Opt_Dup	Yes	Yes
Virtual Edition (VMware) [3]	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Virtual Edition (VMware) [1] [3]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
Virtual Edition (VMware) [1] [3]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes

1. Targeted A.I.R. is supported in One-to-One, One-to-Many, and Many-to-One configurations.
2. When running Targeted A.I.R. over Fibre Channel, Windows is only supported as a target domain.
3. This device is a virtual appliance. For compatible versions of VMware, see Dell EMC Data Domain's and VMware's compatibility lists.

Dell EMC Data Domain - 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
Appliance series [1] [2]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Appliance series [1] [2]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11
Appliance series	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Appliance series	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Appliance series	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7 [3] [4]	11, 12
Appliance series	3.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Appliance series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Appliance series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Appliance series [5]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Appliance series [5] [6]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Appliance series [5]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	6, 7	11, 12

Dell EMC Data Domain - 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
Appliance series [5] [6]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	6, 7	11, 12
DDX Array series [1] [2]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6 [3] [4]	10, 11
DDX Array series [1] [2]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11
DDX Array series	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
DDX Array series	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
DDX Array series	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7 [3] [4]	11, 12
DDX Array series	3.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
DDX Array series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
DDX Array series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
DDX Array series [5]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
DDX Array series [5] [6]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
DDX Array series [5]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	6, 7	11, 12

Dell EMC Data Domain - 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
DDX Array series [5] [6]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	6, 7	11, 12
Gateway series [1] [2]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Gateway series [1] [2]	2.6	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11
Gateway series	3.0	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Gateway series	3.0	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Gateway series	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7 [3] [4]	11, 12
Gateway series	3.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Gateway series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Gateway series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Gateway series [5]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Gateway series [5] [6]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Gateway series [5]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	6, 7	11, 12

Dell EMC Data Domain - 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
Gateway series [5] [6]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	6, 7	11, 12
Global Deduplication Array series	2.6	Ethernet	Opt_Dup	Enterprise Edition	No	5, 6 [3] [4]	10, 11
Global Deduplication Array series	2.6	Fibre Channel	Opt_Dup	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11
Global Deduplication Array series	3.0	Ethernet	Opt_Dup	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Global Deduplication Array series	3.0	Fibre Channel	Opt_Dup	Enterprise Edition	Datacenter	5, 6 [3] [4]	10, 11, 12
Global Deduplication Array series	3.1	Ethernet	Opt_Dup	Enterprise Edition	Datacenter	5, 6, 7 [3] [4]	11, 12
Global Deduplication Array series	3.1	Fibre Channel	Opt_Dup	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Global Deduplication Array series	3.2	Ethernet	Opt_Dup	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Global Deduplication Array series	3.2	Fibre Channel	Opt_Dup	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Global Deduplication Array series	3.3	Ethernet	Opt_Dup	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Global Deduplication Array series	3.3	Fibre Channel	Opt_Dup	Enterprise Edition	Datacenter	6, 7 [4]	11, 12
Global Deduplication Array series	3.4	Ethernet	Opt_Dup	No	Datacenter	6, 7	11, 12
Global Deduplication Array series	3.4	Fibre Channel	Opt_Dup	No	Datacenter	6, 7	11, 12
Virtual Edition (VMware) [7]	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12

Dell EMC Data Domain - 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
Virtual Edition (VMware) [5] [7]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
Virtual Edition (VMware) [5] [7]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	6, 7	11, 12

1. Accelerator with VMware-type policies support requires plug-in version 2.6.2.4 or later.
2. Granular Recovery Technology with VMware-type policies support requires plug-in version 2.6.2.4 or later.
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. Targeted A.I.R. is supported in One-to-One, One-to-Many, and Many-to-One configurations.
6. When running Targeted A.I.R. over Fibre Channel, Windows is only supported as a target domain.
7. This device is a virtual appliance. For compatible versions of VMware, see Dell EMC Data Domain's and VMware's compatibility lists.

Dell EMC Data Domain - 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
Appliance series [1] [2]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Appliance series	3.0	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	10, 11
Appliance series	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Appliance series	3.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	No	No

Dell EMC Data Domain - 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
Appliance series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Appliance series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Appliance series [3]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11	10, 11
Appliance series [3] [4]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11	10, 11
Appliance series [3]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	7.1, 7.2	11.31	10, 11	10, 11
Appliance series [3] [4]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	7.1, 7.2	11.31	10, 11	10, 11
DDX Array series [1] [2]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DDX Array series	3.0	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	10, 11
DDX Array series	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DDX Array series	3.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	No	No
DDX Array series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DDX Array series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DDX Array series [3]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11	10, 11
DDX Array series [3] [4]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11	10, 11
DDX Array series [3]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	7.1, 7.2	11.31	10, 11	10, 11

Dell EMC Data Domain - 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
DDX Array series [3] [4]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	7.1, 7.2	11.31	10, 11	10, 11
Gateway series [1] [2]	2.6	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Gateway series	3.0	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	10, 11
Gateway series	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Gateway series	3.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	No	No	No
Gateway series	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Gateway series	3.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Gateway series [3]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11	10, 11
Gateway series [3] [4]	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11	10, 11
Gateway series [3]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	7.1, 7.2	11.31	10, 11	10, 11
Gateway series [3] [4]	3.4	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	7.1, 7.2	11.31	10, 11	10, 11
Global Deduplication Array series	2.6	Ethernet	Opt_Dup	6.1, 7.1	11.31	11	10, 11
Global Deduplication Array series	3.0	Ethernet	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series	3.1	Ethernet	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11

Dell EMC Data Domain - 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
Global Deduplication Array series	3.1	Fibre Channel	Opt_Dup	6.1, 7.1	No	No	No
Global Deduplication Array series	3.2	Ethernet	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series	3.2	Fibre Channel	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series	3.3	Ethernet	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series	3.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series	3.4	Ethernet	Opt_Dup	7.1, 7.2	11.31	10, 11	10, 11
Global Deduplication Array series	3.4	Fibre Channel	Opt_Dup	7.1, 7.2	11.31	10, 11	10, 11
Virtual Edition (VMware) [5]	3.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
Virtual Edition (VMware) [3] [5]	3.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11	10, 11
Virtual Edition (VMware) [3] [5]	3.4	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	7.1, 7.2	11.31	11	11

1. Accelerator with VMware-type policies support requires plug-in version 2.6.2.4 or later.
2. Granular Recovery Technology with VMware-type policies support requires plug-in version 2.6.2.4 or later.
3. Targeted A.I.R. is supported in One-to-One, One-to-Many, and Many-to-One configurations.
4. When running Targeted A.I.R. over Fibre Channel, Windows is only supported as a target domain.

5. This device is a virtual appliance. For compatible versions of VMware, see Dell EMC Data Domain's and VMware's compatibility lists.

Dell EMC Data Domain - Family Membership

Storage Server Family	Members
Appliance series	DD140, DD160, DD510, DD530, DD560, DD565, DD580, DD610, DD620, DD630, DD640, DD660, DD670, DD690, DD860, DD880, DD890, DD990, DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800
DDX Array series	DDX
Gateway series	DD560g, DD580g, DD690g, DD880g
Global Deduplication Array series	GDA

ExaGrid

ExaGrid - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
EX series [1]	V11.4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes

1. Accelerator support requires ExaGrid software version 5.3.0 or later.

ExaGrid - 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
EX series	V10.3.0	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6
EX series [1]	V11.4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7

1. Accelerator support requires ExaGrid software version 5.3.0 or later.

ExaGrid - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
EX series	V10.3.0	Ethernet	Granular_Recovery, Opt_Dup, Opt_Synth	No	10
EX series [1]	V11.4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11

1. Accelerator support requires ExaGrid software version 5.3.0 or later.

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, EX63000E

FalconStor

FalconStor - 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
FDS series	2.2	Ethernet	Opt_Dup	Enterprise Edition	No	No	No
FDS series	8	Ethernet	Granular_Recovery, Opt_Dup	Enterprise Edition	Datacenter	No	No
Virtual Tape Library (VTL) series	2.2	Fibre Channel	Direct_Copy_Shared, Opt_Dup	Enterprise Edition	No	5, 6	No
Virtual Tape Library (VTL) series	8	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup	Enterprise Edition	No	6, 7	11
Virtual Tape Library (VTL) series	8	Fibre Channel	A.I.R., Direct_Copy_Shared, Granular_Recovery, Opt_Dup	Enterprise Edition	No	5, 6	11
Virtual Tape Library (VTL) series	9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
Virtual Tape Library (VTL) series	9	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12

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	2.2	Fibre Channel	Direct_Copy_Shared, Opt_Dup	6.1	10	10
Virtual Tape Library (VTL) series	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	8	Fibre Channel	A.I.R., Direct_Copy_Shared, Granular_Recovery, Opt_Dup	6.1, 7.1	10, 11	10, 11
Virtual Tape Library (VTL) series	9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	10, 11	No
Virtual Tape Library (VTL) series	9	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Opt_Dup, Opt_Synth, Targeted_A.I.R.	6.1, 7.1	10, 11	No

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 NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
ETERNUS CS800 S3	3.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S4	3.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S5	3.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S6	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes

Fujitsu - 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
ETERNUS CS800 S3	2.9	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
ETERNUS CS800 S3	3.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
ETERNUS CS800 S4	2.9	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
ETERNUS CS800 S4	3.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
ETERNUS CS800 S5	2.9	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
ETERNUS CS800 S5	3.1	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12

Fujitsu - 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
ETERNUS CS800 S6	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
ETERNUS CS8000 series	1.0	Ethernet	Opt_Dup	No	No	6, 7	11, 12
ETERNUS CS8000 series	1.1	Ethernet	Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12

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	2.9	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	2.9	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	2.9	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	2.9	Ethernet	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11

Fujitsu - Family Membership

Storage Server Family	Members
ETERNUS CS8000 series	ETERNUS CS8050, ETERNUS CS8200, ETERNUS CS8400, ETERNUS CS8800

H3C

H3C - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
CP3310	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
CP3310 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP3352	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
CP3352	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
CP3352 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP3352 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP3354	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
CP3354	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
CP3354 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP3354 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP5510	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
CP5510	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
CP5510 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP5510 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes

H3C - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
CP5550 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP5550 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP6660 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
CP6660 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes

1. Accelerator with NDMP support requires StoreOnce plug-in version 4.0.1 or later and StoreOnce software version 3.13.3 or later.
2. Instant Recovery with VMware support requires StoreOnce software version 3.15.1 or later.
3. Optimized Duplication and Whole Image Optimized Duplication over Fibre Channel support requires StoreOnce software version 3.16 or later.

H3C - 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
CP3310	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
CP3310 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
CP3352	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
CP3352	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
CP3352 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12

H3C - 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
CP3352 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12 [4]
CP3354	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
CP3354	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
CP3354 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
CP3354 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12 [4]
CP5510	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
CP5510	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12
CP5510 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
CP5510 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12 [4]
CP5550 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
CP5550 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12 [4]
CP6660 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
CP6660 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12 [4]

1. Accelerator with NDMP support requires StoreOnce plug-in version 4.0.1 or later and StoreOnce software version 3.13.3 or later.
2. Instant Recovery with VMware support requires StoreOnce software version 3.15.1 or later.
3. Optimized Duplication and Whole Image Optimized Duplication over Fibre Channel support requires StoreOnce software version 3.16 or later.

4. 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.

H3C - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
CP3310	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
CP3310 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP3352	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
CP3352	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
CP3352 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP3352 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP3354	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
CP3354	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
CP3354 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP3354 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP5510	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
CP5510	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
CP5510 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11

H3C - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
CP5510 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP5550 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP5550 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP6660 [1] [2]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
CP6660 [1] [2] [3]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11

1. Accelerator with NDMP support requires StoreOnce plug-in version 4.0.1 or later and StoreOnce software version 3.13.3 or later.
2. Instant Recovery with VMware support requires StoreOnce software version 3.15.1 or later.
3. Optimized Duplication and Whole Image Optimized Duplication over Fibre Channel support requires StoreOnce software version 3.16 or later.

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 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 2000 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 2000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 3000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 3000 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 3000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 3500/3600 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 3500/3600 series [1] [5]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 3500/3600 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 3500/3600 series [2] [3] [6]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 3500/3600 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 3500/3600 series [3] [4]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 4000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, 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 4000 series [1] [5]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 4000 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 4000 series [2] [3] [6]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 4000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 4000 series [3] [4]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 5000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 5000 series [1] [5]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 5000 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 5000 series [2] [3] [6]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 5000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 5000 series [3] [4]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 6000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce 6000 series [1] [5]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 6000 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 6000 series [2] [3] [6]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes

Hewlett Packard Enterprise - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
StoreOnce 6000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce 6000 series [3] [4]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce VSA (Hyper-V) [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce VSA (VMware) [1] [7]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce VSA (VMware) [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes
StoreOnce VSA (VMware) [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes

1. Accelerator support requires StoreOnce software version 3.12 or later.
2. Accelerator with NDMP support requires StoreOnce plug-in version 4.0.1 or later and StoreOnce software version 3.13.3 or later.
3. Instant Recovery with VMware support requires StoreOnce software version 3.15.1 or later.
4. Reverse A.I.R. is supported with this solution. For more information on replicating an image back to the source master server, see https://www.veritas.com/support/en_US/article.TECH205923
5. Targeted A.I.R. support over Fibre Channel requires plug-in version 3.1.2 or later.
6. Optimized Duplication and Whole Image Optimized Duplication over Fibre Channel support requires StoreOnce software version 3.16 or later.
7. 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 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	No	No	No
D2D2500 G2 Backup System	1.2	Ethernet	Opt_Dup	Enterprise Edition	No	5, 6	10, 11
D2D4100 G2 Backup System	1.1	Ethernet	Opt_Dup	Enterprise Edition	No	No	No
D2D4100 G2 Backup System	1.2	Ethernet	Opt_Dup	Enterprise Edition	No	5, 6	10, 11
D2D4300 G2 Backup System	1.1	Ethernet	Opt_Dup	Enterprise Edition	No	No	No
D2D4300 G2 Backup System	1.2	Ethernet	Opt_Dup	Enterprise Edition	No	5, 6	10, 11
StoreOnce 2000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	5, 6, 7 [2] [3]	10, 11, 12
StoreOnce 2000 series [4] [5]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce 2000 series [5] [6]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce 3000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [3]	11, 12
StoreOnce 3000 series [4] [5]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce 3000 series [5] [6]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12

Hewlett Packard Enterprise - 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
StoreOnce 3500/3600 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [3]	11, 12
StoreOnce 3500/3600 series [1] [7]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [3]	11, 12 [8]
StoreOnce 3500/3600 series [4] [5]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce 3500/3600 series [4] [5] [9]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12 [8]
StoreOnce 3500/3600 series [5] [6]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce 3500/3600 series [5] [6]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce 4000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	5, 6, 7 [2] [3]	10, 11, 12
StoreOnce 4000 series [1] [7]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	5, 6, 7 [2] [3]	10, 11, 12 [8]
StoreOnce 4000 series [4] [5]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce 4000 series [4] [5] [9]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce 4000 series [5] [6]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12

Hewlett Packard Enterprise - 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
StoreOnce 4000 series [5] [6]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce 5000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [3]	11, 12
StoreOnce 5000 series [1] [7]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7 [3]	11, 12 [8]
StoreOnce 5000 series [4] [5]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce 5000 series [4] [5] [9]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce 5000 series [5] [6]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce 5000 series [5] [6]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce 6000 series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	5, 6, 7 [2] [3]	10, 11, 12
StoreOnce 6000 series [1] [7]	3.1	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	5, 6, 7 [2] [3]	10, 11, 12 [8]
StoreOnce 6000 series [4] [5]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce 6000 series [4] [5] [9]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12

Hewlett Packard Enterprise - 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
StoreOnce 6000 series [5] [6]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce 6000 series [5] [6]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce VSA (Hyper-V) [5] [6]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12
StoreOnce VSA (VMware) [1] [10]	3.1	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	5, 6, 7 [2] [3]	10, 11, 12
StoreOnce VSA (VMware) [4] [5]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition	Datacenter	6, 7	11, 12
StoreOnce VSA (VMware) [5] [6]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	6, 7	11, 12

1. Accelerator support requires StoreOnce software version 3.12 or later.
2. The Red Hat plug-in is also supported with Oracle Linux 5.
3. The Red Hat plug-in is also supported with Oracle Linux 6.
4. Accelerator with NDMP support requires StoreOnce plug-in version 4.0.1 or later and StoreOnce software version 3.13.3 or later.
5. Instant Recovery with VMware support requires StoreOnce software version 3.15.1 or later.
6. Reverse A.I.R. is supported with this solution. For more information on replicating an image back to the source master server, see https://www.veritas.com/support/en_US/article.TECH205923
7. Targeted A.I.R. support over Fibre Channel requires plug-in version 3.1.2 or later.
8. 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.
9. Optimized Duplication and Whole Image Optimized Duplication over Fibre Channel support requires StoreOnce software version 3.16 or later.

10. 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 series [1]	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 2000 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 2000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 3000 series [1]	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 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 3000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 3500/3600 series [1]	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 3500/3600 series [1] [5]	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 3500/3600 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 3500/3600 series [2] [3] [6]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	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 3500/3600 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 3500/3600 series [3] [4]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 4000 series [1]	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 series [1] [5]	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 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 4000 series [2] [3] [6]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 4000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 4000 series [3] [4]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 5000 series [1]	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 series [1] [5]	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 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 5000 series [2] [3] [6]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 5000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 5000 series [3] [4]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 6000 series [1]	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

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 6000 series [1] [5]	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 series [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 6000 series [2] [3] [6]	4.0	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce 6000 series [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce 6000 series [3] [4]	4.2	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce VSA (Hyper-V) [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11
StoreOnce VSA (VMware) [1] [7]	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 VSA (VMware) [2] [3]	4.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	10, 11
StoreOnce VSA (VMware) [3] [4]	4.2	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1	11.31	11

1. Accelerator support requires StoreOnce software version 3.12 or later.
2. Accelerator with NDMP support requires StoreOnce plug-in version 4.0.1 or later and StoreOnce software version 3.13.3 or later.
3. Instant Recovery with VMware support requires StoreOnce software version 3.15.1 or later.
4. Reverse A.I.R. is supported with this solution. For more information on replicating an image back to the source master server, see https://www.veritas.com/support/en_US/article.TECH205923
5. Targeted A.I.R. support over Fibre Channel requires plug-in version 3.1.2 or later.
6. Optimized Duplication and Whole Image Optimized Duplication over Fibre Channel support requires StoreOnce software version 3.16 or later.
7. 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 series	StoreOnce 2610, StoreOnce 2620, StoreOnce 2700, StoreOnce 2900
StoreOnce 3000 series	StoreOnce 3100
StoreOnce 3500/3600 series	StoreOnce 3520, StoreOnce 3540, StoreOnce 3620, StoreOnce 3640
StoreOnce 4000 series	StoreOnce 4210fc, StoreOnce 4210i, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700, StoreOnce 4900
StoreOnce 5000 series	StoreOnce 5100, StoreOnce 5200, StoreOnce 5250, StoreOnce 5500, StoreOnce 5650
StoreOnce 6000 series	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	8.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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	8.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Yes	Yes

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
HUS 100 series	OpenStorage Connector 1.2	Fibre Channel	A.I.R., Opt_Dup	Enterprise Edition	No	No	No
Protection Platform S-Series	7.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition [3]	Datacenter	5, 6 [4] [5]	10, 11
Protection Platform S-Series	7.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition [3]	Datacenter	5, 6 [4] [5]	10, 11

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
Protection Platform S-Series	8.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition [3]	Datacenter	5, 6, 7 [4] [5]	11, 12
Protection Platform S-Series	8.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R., WI_Opt_Dup	Enterprise Edition [3]	Datacenter	5, 6, 7 [4] [5]	11, 12
SMS/AMS2000 series	OpenStorage Connector 1.0	Fibre Channel	Opt_Dup	Enterprise Edition	No	5	No
SMS/AMS2000 series	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 use the NetBackup S3 connector. For support information on newer HCP versions, see Hitachi in the OST Cloud section.

2. Windows 2012 support requires plug-in version 2.2.2 or later.

3. Requires Windows 2008 R2 or later.

4. The Red Hat plug-in is also supported with CentOS 5.

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

Hitachi - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
Protection Platform S-Series	7.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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	7.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, 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	8.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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

Hitachi - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
Protection Platform S-Series	8.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, 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

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

IBM

IBM - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64
System Storage TS7600 series with ProtecTIER	3.3	Ethernet	Granular_Recovery, IR_VMware, Opt_Dup	Enterprise Edition	5, 6

IBM - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER
System Storage TS7600 series with ProtecTIER	3.3	Ethernet	Granular_Recovery, IR_VMware, Opt_Dup	7.1

IBM - Family Membership

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

Infinidat

Infinidat - 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
InfiniGuard B-series	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12

Infinidat - Family Membership

Storage Server Family	Members
InfiniGuard B-series	InfiniGuard B4212N, InfiniGuard B4260, InfiniGuard B4260N

NEC

NEC - 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
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.6.1	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6	11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.7	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6	11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.8	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.11	Ethernet	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	12
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.6.1	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6	11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.7	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6	11
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.8	Ethernet	Opt_Dup, Opt_Synth	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]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No

NEC - 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
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No
HYDRAsstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.11	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	12
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.6.1	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6	11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.7	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	No	5, 6	11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.8	Ethernet	Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	11
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No
HYDRAsstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.11	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	12
HYDRAsstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen) [1]	2.11	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	12

NEC - 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
HYDRAsstor HS Virtual Appliance, iStorage HS Virtual Appliance, iStorage HS Lite, and NEC Storage HS Virtual Appliance [1]	2.11	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12

1. Auto Image Replication 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.

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)	2.6.1	Ethernet	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.7	Ethernet	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.8	Ethernet	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.9	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.10	Ethernet	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAsstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.11	Ethernet	A.I.R., 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)	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)	2.7	Ethernet	Opt_Dup, Opt_Synth	No	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)	2.8	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]	2.9	Ethernet	A.I.R., 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]	2.10	Ethernet	A.I.R., 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]	2.11	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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)	2.6.1	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)	2.7	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)	2.8	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]	2.9	Ethernet	A.I.R., 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]	2.10	Ethernet	A.I.R., 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]	2.11	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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) [1]	2.11	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11
HYDRAsstor HS Virtual Appliance, iStorage HS Virtual Appliance, iStorage HS Lite, and NEC Storage HS Virtual Appliance [1]	2.11	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	11

1. Auto Image Replication 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.

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
HYDRAstor HS Virtual Appliance, iStorage HS Virtual Appliance, iStorage HS Lite, and NEC Storage HS Virtual Appliance	HYDRAstor HS24-514, iStorage HS24-514, NEC Storage HS24-514

NetApp

NetApp - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
AltaVault [1]	1.2	Ethernet	Opt_Dup	Yes	Yes

1. 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.

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	1.0	Ethernet	Opt_Dup	Enterprise Edition	Datacenter	6, 7
AltaVault [1]	1.2	Ethernet	Opt_Dup	Enterprise Edition	Datacenter	6, 7

1. 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.

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

Oracle

Oracle - 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
ZFS Storage Appliance series	1.0	Ethernet	Opt_Dup	Enterprise Edition	No	5, 6	10, 11
ZFS Storage Appliance series	1.1	Ethernet	Opt_Dup	No	No	6, 7	11, 12
ZFS Storage Appliance series	1.1	Fibre Channel	Opt_Dup	No	No	6, 7	11, 12
ZFS Storage Appliance series [1]	2.0	Ethernet	Opt_Dup	No	Datacenter	6, 7	11, 12
ZFS Storage Appliance series [1]	2.0	Fibre Channel	Opt_Dup	No	No	6, 7	11, 12

1. Oracle inline deduplication is supported with MS-Windows and Standard backup policy types. Disable inline duplication when using any other backup policy type.

Oracle - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Solaris on SPARC	Solaris on x86-64
ZFS Storage Appliance series	1.0	Ethernet	Opt_Dup	10, 11	10
ZFS Storage Appliance series	1.1	Ethernet	Opt_Dup	11	11
ZFS Storage Appliance series	1.1	Fibre Channel	Opt_Dup	11	11
ZFS Storage Appliance series [1]	2.0	Ethernet	Opt_Dup	11	11

1. Oracle inline deduplication is supported with MS-Windows and Standard backup policy types. Disable inline duplication when using any other backup policy type.

Oracle - Family Membership

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

Quantum

Quantum - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
DXi4000 Series	3.1	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DXi4000 Series	10.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DXi4700 Series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi4700 Series [1]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi4800 Series [1]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6000 Series [2]	3.1	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6000 Series [2]	10.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6700 Series	3.1	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6700 Series	10.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6800 Series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6800 Series [1]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6900 Series [1]	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6900 Series [1]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi8500 Series	3.1	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes

Quantum - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	5200 Series	5300 Series
DXi8500 Series	10.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi9000 Series [1]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi V Series [3]	3.1	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DXi V Series [3]	10.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes

1. Accelerator support requires DXi Software 3.1 or later.
2. The Direct Copy to shared tape drives feature (Direct_Copy_Shared) is supported on the DXi6540 and DXi6550 models.
3. 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 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi4000 Series	2.9	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	6	11
DXi4000 Series	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi4000 Series	3.1	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi4000 Series	10.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi4700 Series [1]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
DXi4700 Series [1] [2]	3.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No

Quantum - 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
DXi4700 Series [2]	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi4700 Series [2]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi4800 Series [2]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6000 Series [3]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Datacenter	6	11
DXi6000 Series [3]	3.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	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	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6000 Series [3]	10.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6700 Series	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
DXi6700 Series	3.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi6700 Series	3.1	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6700 Series	10.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6800 Series	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
DXi6800 Series [2]	3.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No

Quantum - 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
DXi6800 Series [2]	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6800 Series [2]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6900 Series [1]	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
DXi6900 Series [2]	3.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	No
DXi6900 Series [2]	3.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6900 Series [2]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi8500 Series	2.9	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6	10, 11
DXi8500 Series	3.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi8500 Series	3.1	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi8500 Series	10.0	Ethernet	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi9000 Series [2]	10.0	Ethernet	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi V Series [4]	2.9	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	6	11

Quantum - 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
DXi V Series [4]	3.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	5, 6, 7	11, 12
DXi V Series [4]	3.1	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12
DXi V Series [4]	10.0	Ethernet	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11, 12

1. Direct Copy to Tape support requires DXi Software 3.0 or later.
2. Accelerator support requires DXi Software 3.1 or later.
3. The Direct Copy to shared tape drives feature (Direct_Copy_Shared) is supported on the DXi6540 and DXi6550 models.
4. 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	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]	2.9	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
DXi4800 Series [1]	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 [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
DXi6700 Series	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	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

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
DXi6900 Series [1]	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	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
DXi9000 Series [1]	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 [3]	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. Direct Copy to Tape support requires DXi Software 3.0 or later.
2. The Direct Copy to shared tape drives feature (Direct_Copy_Shared) is supported on the DXi6540 and DXi6550 models.
3. 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
DXi4800 Series	DXi4800
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
DXi9000 Series	DXi9000
DXi V Series	DXi V1000, DXi V2000, DXi V4000

Quest

Quest - 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
DR 13g Series	4.0	Ethernet	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	6, 7	11

Quest - Family Membership

Storage Server Family	Members
DR 13g Series	DR4300, DR4300e, DR6300

SEPATON

SEPATON - Support with NetBackup Appliance

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

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	7.1	Ethernet	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	Datacenter	5, 6 [2] [3]	10, 11
S2100	7.1	Fibre Channel	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	No	5, 6 [2] [3]	10, 11
S2100	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 [2] [3]	10, 11
S2100	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 [2] [3]	10, 11
S2100	7.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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 [2] [3]	10, 11
S2100	7.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, 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 [2] [3]	10, 11

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	8.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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 [2] [3]	11, 12
S2100	8.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, 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 [2] [3]	11, 12

1. Requires Windows 2008 R2 or later.
2. The Red Hat plug-in is also supported with CentOS 5.
3. The Red Hat plug-in is also supported with CentOS 6.

SEPATON - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
S2100	7.1	Ethernet	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100	7.1	Fibre Channel	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100	7.2	Ethernet	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100	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	7.3	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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	7.3	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, 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	8.1	Ethernet	A.I.R., Accelerator, Accel_NDMP, 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	8.1	Fibre Channel	A.I.R., Accelerator, Accel_NDMP, 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

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 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
NetBackup 5000	NetBackup 7.7 and later	Ethernet	Accelerator, Accel_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	5	10
NetBackup 5020 [1]	NetBackup 7.7 and later	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	5	10
NetBackup 5020 (FC) [1] [2]	NetBackup 7.7 and later	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	5	10
NetBackup 5030	NetBackup 7.7 and later	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	5	10
NetBackup 5030 (FC)	NetBackup 7.7 and later	Fibre Channel	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	5	10
Veritas Access	OpenDedup 2.2 Plug-in	Ethernet	Accelerator, Accel_NDMP, Accel_VMware, Targeted_A.I.R., WI_Opt_Dup	No	6, 7	No

1. Auto Image Replication support requires NetBackup 5020 Appliance version 1.4 or later.
2. The Fibre Channel data interface is supported with NetBackup 5020 Appliance version 1.3.0.1 or later.

Veritas - Support with UNIX

Storage Server Family	Plug-in	Data Interface	Supported OpenStorage Functionality	Solaris on SPARC
NetBackup 5000	NetBackup 7.7 and later	Ethernet	Accelerator, Accel_VMware, Opt_Dup, Opt_Synth	10
NetBackup 5020 [1]	NetBackup 7.7 and later	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	10
NetBackup 5030	NetBackup 7.7 and later	Ethernet	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	10

1. Auto Image Replication support requires NetBackup 5020 Appliance version 1.4 or later.

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.

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Virtual Tape Libraries/Drives - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the "NetBackup 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</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 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 5 on x86-64" it also means that CentOS 5 and Oracle Linux 5 are supported.5. 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.6. Where support is shown for "Red Hat Enterprise Linux 7 on x86-64" it also means that CentOS 7 and Oracle Linux 7 are supported.7. 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 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 "NetBackup for NDMP Administrator's Guide" <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, 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. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	<p>1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and later.</p>

Virtual Tape Libraries/Drives - Tape Drive Emulation Attributes

The following table lists attributes supported with Virtual Tape Libraries and indicates the NetBackup 7.7.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	7.7 GA
NDMP Direct Copy with VTL, physical tape drives used with this feature can be shared using NetBackup Shared Storage Option (SSO).	DirCpy_Shr	7.7 GA
SCSI Reservation	SResv	7.7 GA
SCSI Persistent Reservation	SPR	7.7 GA
Write Once, Read Many	WORM	7.7 GA
NetBackup Encryption Key Management Service	KMS	7.7 GA
Append-only mode	App	7.7 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 7.7 - 7.7.x Operating System Software Compatibility List"](https://www.veritas.com/docs/100015485) <<https://www.veritas.com/docs/100015485>> .

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"](http://www.veritas.com/docs/000003214) <<http://www.veritas.com/docs/000003214>> .

TLD - Tape Library DLT

Operating System	NetBackup Release Supported
AIX on POWER	7.7 GA - Note: Veritas is no longer supporting the ovpass driver. For more information, see the note at the beginning of this section.
HP-UX on IA64	7.7 GA
NDMP	7.7 GA
Red Hat Enterprise Linux on x86-64	7.7 GA
Red Hat Enterprise Linux on zArch	7.7 GA

TLD - Tape Library DLT

Operating System	NetBackup Release Supported
Solaris on SPARC	7.7 GA
Solaris on x64	7.7 GA
SUSE Linux Enterprise Server on x86-64	7.7 GA
SUSE Linux Enterprise Server on zArch	7.7 GA
Windows Server 2008 x64	7.7 GA
Windows Server 2012 x64	7.7 GA

Virtual Tape Libraries/Drives - Vendor Compatibility

Contents

<u>Amazon</u>	<u>Dell EMC</u>	<u>Dell EMC Data Domain</u>
<u>FalconStor</u>	<u>Fujitsu</u>	<u>H3C</u>
<u>Hewlett Packard Enterprise</u>	<u>Hitachi</u>	<u>IBM</u>
<u>Infinidat</u>	<u>NEC</u>	<u>Oracle</u>
<u>Quantum</u>	<u>Quest</u>	<u>SEPATON</u>
<u>Spectra Logic</u>	<u>Sun</u>	<u>Tandberg</u>

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.

Dell EMC

Dell 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 (Retiring soon) [1]	IBM LTO - all generations	Latest from Manufacturer	EMC^Disk^Library		Yes	Yes
Disk Library Series - Fibre Channel (Retiring soon) [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.

Dell EMC - 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	SUSE Linux Enterprise Server on x86-64
Disk Library Series - Fibre Channel (Retiring soon) [1]	IBM LTO - all generations	Latest from Manufacturer	EMC^Disk^Library		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

Dell EMC - 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	SUSE Linux Enterprise Server on x86-64
Disk Library Series - Fibre Channel (Retiring soon) [1]	Quantum SDLT 320	Latest from Manufacturer	EMC^Disk^Library		Enterprise Edition	No	5	10, 11
DL3D series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC^DL1500		Enterprise Edition	Datacenter	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	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	Datacenter	5, 6, 7	10, 11, 12
DR Series (Dell) - iSCSI	IBM LTO - all generations	Latest from Manufacturer	DELL^DR_L700		Enterprise Edition	Datacenter	5, 6	No
NDMP2D - NDMP	IBM LTO - all generations	Latest from Manufacturer	EMC^svtIrobot		No	No	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.

Dell EMC - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Disk Library Series - Fibre Channel (Retiring soon) [1]	IBM LTO - all generations	Latest from Manufacturer	EMC^Disk^Library		6.1	11.31	10	No
Disk Library Series - Fibre Channel (Retiring soon) [1]	Quantum SDLT 320	Latest from Manufacturer	EMC^Disk^Library		6.1	11.31	10	No
DL3D series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC^DL1500		6.1	11.31	10	10
DL5000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC^Disk^Library	DirCpy_Shr	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	10	10
NDMP2D - NDMP	IBM LTO - all generations	Latest from Manufacturer	EMC^svtltrobot		6.1	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.

Dell 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

Dell EMC Data Domain

Dell EMC 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] [2]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		Yes	Yes
Appliance Series - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		Yes	Yes

1. The ADIC inquiry string is supported with VTL software version 5.3 and later.
2. The Quantum inquiry string is supported with VTL software version 5.5 and later.

Dell EMC Data Domain - 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	SUSE Linux Enterprise Server on x86-64
Appliance Series - Fibre Channel [1] [2]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
Appliance Series - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

1. The ADIC inquiry string is supported with VTL software version 5.3 and later.
2. The Quantum inquiry string is supported with VTL software version 5.5 and later.

Dell EMC Data Domain - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Appliance Series - Fibre Channel [1] [2]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		No	11.31	10, 11	10
Appliance Series - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		6.1, 7.1	11.31	10, 11	10

1. The ADIC inquiry string is supported with VTL software version 5.3 and later.
2. The Quantum inquiry string is supported with VTL software version 5.5 and later.

Dell EMC 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, DD3300, DD4200, DD4500, DD6300, DD6800, DD7200, DD9300, DD9500, DD9800

FalconStor

FalconStor - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
VirtualTape Library - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FALCON^^VTL		Yes	Yes
VirtualTape Library - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^^VTL		Yes	Yes
VirtualTape Library - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FALCON^^VTL		Yes	Yes
VirtualTape Library - 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 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	Datacenter	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	Datacenter	5, 6, 7	10, 11, 12

FalconStor - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	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	6.1, 7.1	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	6.1, 7.1	11.31	10	10, 11

Fujitsu

Fujitsu - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
CentricStor - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL		Yes	Yes
CentricStor - Fibre Channel (Retiring soon)	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC~~~~CS-TL		Yes	Yes
CentricStor - Fibre Channel (Retiring soon)	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 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
CentricStor - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	No	No	10, 11
CentricStor - Fibre Channel (Retiring soon)	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	No	5	10, 11
CentricStor - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	No	No	10, 11
ETERNUS CS (ACS) - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL		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	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	No	5, 6, 7	10, 11, 12
ETERNUS CS - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS - Fibre Channel	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	No	5, 6, 7	10, 11, 12
ETERNUS CS - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^CS-TL		Enterprise Edition	No	5, 6, 7	10, 11, 12
ETERNUS CS800 S2 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Ded	Enterprise Edition	Datacenter	5	No
ETERNUS CS800 S2 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Ded	Enterprise Edition	Datacenter	5	No
ETERNUS CS800 S3 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S3 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S4 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

Fujitsu - 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	SUSE Linux Enterprise Server on x86-64
ETERNUS CS800 S4 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S5 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S5 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
ETERNUS CS800 S6 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	6, 7	10, 11, 12
ETERNUS CS800 S6 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	6, 7	10, 11, 12

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

Fujitsu - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
CentricStor - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL		6.1	11.31	10	10
CentricStor - Fibre Channel (Retiring soon)	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^CS-TL		6.1	11.31	10	10
CentricStor - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^CS-TL		6.1	11.31	10	10
ETERNUS CS (ACS) - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FSC^CS-TL		6.1, 7.1	11.31	10, 11	10
ETERNUS CS (ACS) - Fibre Channel [1]	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^CS-TL		6.1, 7.1	11.31	10	10
ETERNUS CS (ACS) - Fibre Channel [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^CS-TL		6.1, 7.1	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 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	11.31	10, 11	10
ETERNUS CS - Fibre Channel	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC~~~~CS-TL		6.1, 7.1	11.31	10	10, 11
ETERNUS CS - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC~~~~CS-TL		6.1, 7.1	11.31	10	10, 11
ETERNUS CS800 S2 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Ded	6.1	11.31	10	10
ETERNUS CS800 S2 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Ded	6.1	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	11.31	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	11.31	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	11.31	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	11.31	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	11.31	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	11.31	10, 11	10, 11
ETERNUS CS800 S6 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11
ETERNUS CS800 S6 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC~~~~CS-TL	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11

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

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

H3C

H3C - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
CP3352 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes
CP3354 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes
CP5510 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes
CP5550 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes
CP6660 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes

H3C - 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	SUSE Linux Enterprise Server on x86-64
CP3352 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Enterprise Edition	Datacenter	6, 7	11, 12
CP3354 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Enterprise Edition	Datacenter	6, 7	11, 12
CP5510 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Enterprise Edition	Datacenter	6, 7	11, 12
CP5550 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Enterprise Edition	Datacenter	6, 7	11, 12

H3C - 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	SUSE Linux Enterprise Server on x86-64
CP6660 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Enterprise Edition	Datacenter	6, 7	11, 12

H3C - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
CP3352 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	11.31	10, 11	10, 11
CP3352 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	No	No
CP3354 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	11.31	10, 11	10, 11
CP3354 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	No	No
CP5510 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	11.31	10, 11	10, 11
CP5510 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	No	No
CP5550 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	11.31	10, 11	10, 11
CP6660 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	11.31	10, 11	10, 11

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 3500 / 3600 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes
StoreOnce 4000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		Yes	Yes
StoreOnce 5000 - Fibre Channel	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 (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 300 EVA Gateway - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 6000 Series - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 6000 Series - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Yes	Yes
VLS 9000 Series - Fibre Channel (Retiring soon)	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 9000 Series - Fibre Channel (Retiring soon)	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
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 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
D2D4000 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Enterprise Edition	Datacenter	5	10, 11
D2D4000 Series Backup System - iSCSI	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Enterprise Edition	Datacenter	5	10
D2D4100 G2 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Enterprise Edition	Datacenter	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	Datacenter	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 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		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
D2D4312 G2 Backup System - iSCSI	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		Enterprise Edition	No	No	No
StoreOnce 3500 / 3600 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		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	Datacenter	5, 6, 7	10, 11, 12
StoreOnce 5000 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		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	Datacenter	5, 6, 7	10, 11, 12
VLS 300 EVA Gateway - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
VLS 300 EVA Gateway - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	No	5, 7	10, 11, 12
VLS 6000 Series - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
VLS 6000 Series - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	No	5	10, 11
VLS 9000 Series - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Datacenter	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 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
VLS 9000 Series - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	No	5	10, 11
VLS 9200 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Datacenter	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	Datacenter	5, 6, 7	10, 11, 12
VLS 12000 EVA Gateway - Fibre Channel	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	No	5	10, 11
VLS 12200 EVA Gateway - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

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

Hewlett Packard Enterprise - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	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	11.31	10, 11	No
D2D4100 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		6.1	11.31	10	10
D2D4300 G2 Series Backup System - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS		No	11.31	10	No

Hewlett Packard Enterprise - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
StoreOnce 3500 / 3600 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	11.31	10, 11	10, 11
StoreOnce 3500 / 3600 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	No	No	No
StoreOnce 4000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	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
StoreOnce 5000 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	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
StoreOnce 6000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~D2DBS, IBM~~~~~03584L32		6.1, 7.1	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
VLS 300 EVA Gateway - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		6.1, 7.1	11.31	10	10
VLS 300 EVA Gateway - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		6.1	11.31	10	No
VLS 6000 Series - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		6.1, 7.1	11.31	10	10
VLS 6000 Series - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		6.1	11.31	10	No

Hewlett Packard Enterprise - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
VLS 9000 Series - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		6.1, 7.1	11.31	10	10
VLS 9000 Series - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		6.1	11.31	10	No
VLS 9200 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		6.1, 7.1	11.31	10	10
VLS 12000 EVA Gateway - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP~~~~~VLS		6.1, 7.1	11.31	10	10
VLS 12000 EVA Gateway - Fibre Channel	Quantum SDLT 320	Latest from Manufacturer	HP~~~~~VLS		6.1	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	11.31	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
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 / 3600 Series - Fibre Channel	StoreOnce 3520, StoreOnce 3540, StoreOnce 3620, StoreOnce 3640

Hewlett Packard Enterprise - Family Membership

VTL Family - Interface	Members
StoreOnce 4000 - Fibre Channel	StoreOnce 4210fc, StoreOnce 4220, StoreOnce 4420, StoreOnce 4430, StoreOnce 4500, StoreOnce 4700, StoreOnce 4900
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 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	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 IA64	Solaris on SPARC	Solaris on x86-64
Hitachi Virtual Tape Library Solutions - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~V3584L32		6.1	11.31	10	10

Hitachi - Family Membership

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

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. NDMP Direct Copy with VTL support 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 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	Datacenter	5, 6, 7	10, 11, 12
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	DTC~~~~VTF		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	DTC~~~~VTF		Enterprise Edition	No	5	10, 11
System Storage TS7650G ProtecTIER (TS3500) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~3584L32		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
Virtualization Engine TS7510 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~TS7510		No	No	5	10, 11
Virtualization Engine TS7510 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM~~~~TS7510		No	No	5	10, 11
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~TS7520	DirCpy_Ded	No	No	5	10, 11
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM~~~~TS7520	DirCpy_Ded	Enterprise Edition	No	5	10, 11
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM~~~~TS7520	DirCpy_Ded	Enterprise Edition	No	5	10, 11
Virtualization Engine TS7530 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~TS7530	DirCpy_Ded	Enterprise Edition	Datacenter	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	No	5, 6, 7	10, 11, 12

IBM - 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	SUSE Linux Enterprise Server on x86-64
Virtualization Engine TS7530 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM~~~~~TS7530	DirCpy_Ded	Enterprise Edition	No	5, 6, 7	10, 11, 12

1. NDMP Direct Copy with VTL support 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 UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	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		6.1, 7.1	11.31	10, 11	10, 11
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	DTC~~~~~VTF		6.1, 7.1	11.31	10, 11	10
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	DTC~~~~~VTF		6.1	11.31	10	10
System Storage TS7650G ProtecTIER (TS3500) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~3584L32		6.1, 7.1	11.31	10, 11	10, 11
Virtualization Engine TS7510 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~TS7510		6.1	No	10	No
Virtualization Engine TS7510 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM~~~~~TS7510		6.1	No	10	No
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~TS7520	DirCpy_Ded	6.1	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	6.1	11.31	10	No

IBM - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM^TS7520	DirCpy_Ded	6.1	11.31	10	No
Virtualization Engine TS7530 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM^TS7530	DirCpy_Ded	6.1	11.31	10	No
Virtualization Engine TS7530 - Fibre Channel	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM^TS7530	DirCpy_Ded	6.1	11.31	10	No
Virtualization Engine TS7530 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM^TS7530	DirCpy_Ded	6.1	11.31	10	No

1. NDMP Direct Copy with VTL support 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)

Infinidat

Infinidat - Support with Windows / Linux

VTI 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	SUSE Linux Enterprise Server on x86-64
INFINIDAT B series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
INFINIDAT B series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

Infinidat - Support with UNIX

VTI Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
INFINIDAT B series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11
INFINIDAT B series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11

Infinidat - Family Membership

VTL Family - Interface	Members
INFINIDAT B series - Fibre Channel	B4260

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 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	5, 6, 7	10, 11, 12

NEC - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
T3000VT Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM~~~~~V3584L32		6.1	11.31	10	10

NEC - Family Membership

VTL Family - Interface	Members
T3000VT Series - Fibre Channel	T3200VT (V-TS3500)

Oracle

Oracle - 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
StorageTek VSM 7 - Ethernet [1]	Oracle VDrive	Latest from Manufacturer			Enterprise Edition	Datacenter	7

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

Oracle - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Solaris on SPARC
StorageTek VSM 7 - Ethernet [1]	Oracle VDrive	Latest from Manufacturer			10, 11

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

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 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi4700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi4700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12

Quantum - Support with Windows / Linux

VTI 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	SUSE Linux Enterprise Server on x86-64
DXi4800 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	6, 7	11, 12
DXi4800 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	6, 7	11, 12
DXi6700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi6700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	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	Datacenter	5, 6, 7	10, 11, 12
DXi6800 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	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	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi6900 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	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	Datacenter	5, 6, 7	10, 11, 12
DXi7500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	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	Datacenter	5, 6, 7	10, 11, 12
DXi8500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
DXi9000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	6, 7	11, 12
DXi9000 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	6, 7	11, 12

Quantum - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DXi4700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	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	11.31	10, 11	10, 11
DXi4800 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11
DXi4800 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11
DXi6700 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11
DXi6700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	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	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	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	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	11.31	10, 11	10, 11
DXi7500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1	11.31	10	10
DXi7500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1	11.31	10	10
DXi8500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11
DXi8500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11

Quantum - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DXi9000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11
DXi9000 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	6.1, 7.1	11.31	10, 11	10, 11

Quantum - Family Membership

VTL Family - Interface	Members
DXi4700 Series - Fibre Channel	DXi4701
DXi4800 Series - Fibre Channel	DXi4800
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
DXi9000 Series - Fibre Channel	DXi9000

Quest

Quest - 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 13g Series (Dell) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	DELL^~^DR_L700		Enterprise Edition	Datacenter	6, 7

Quest - Family Membership

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

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 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		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
S2100 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
S2100 - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	No	5	11
S2100 - Fibre Channel	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	No	5	11

SEPATON - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	Solaris on SPARC	Solaris on x86-64
S2100 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SEPATON^S2100		6.1, 7.1	10, 11	No
S2100 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	SEPATON^S2100		6.1, 7.1	10, 11	No
S2100 - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SEPATON^S2100		6.1, 7.1	10	10
S2100 - Fibre Channel	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SEPATON^S2100		6.1, 7.1	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 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	Datacenter	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	Datacenter	5, 6, 7	10, 11, 12
nTier VTL - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Ded	Enterprise Edition	No	5	No

1. NDMP Direct Copy with Physical Drives Dedicated support 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 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	6.1	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	6.1	11.31	10	10

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 (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	IBM LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Yes	Yes
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Yes	Yes

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

Sun - 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	SUSE Linux Enterprise Server on x86-64
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	No	5	10, 11
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	No	5	10, 11
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	No	No	No
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	No	5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	Datacenter	5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	IBM LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	Datacenter	5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	No	5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	No	5	10, 11
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	Enterprise Edition	Datacenter	5	10, 11
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	No	5	10, 11
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	No	5	10, 11
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	No	5	10, 11

Sun - 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	SUSE Linux Enterprise Server on x86-64
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		Enterprise Edition	Datacenter	5	10, 11

1. NDMP Direct Copy with Physical Drives Shared support 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 IA64	Solaris on SPARC	Solaris on x86-64
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	11.31	10	No
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	No	No	No
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	11.31	10	No
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	11.31	10	No
StorageTek VTL Plus 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	11.31	10	No
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	6.1	11.31	10	10
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	IBM LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	6.1	11.31	10	10
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	6.1	11.31	10	10
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	6.1	11.31	10	10

Sun - Support with UNIX

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
StorageTek VTL Plus 2.0 - Fibre Channel (Retiring soon) [1]	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL	DirCpy_Shr	6.1	11.31	10	10
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	11.31	10	10
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	11.31	10	10
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	11.31	10	10
StorageTek VTL Prime 1.0 - Fibre Channel (Retiring soon)	Oracle StorageTek T10000 - all generations	Latest from Manufacturer	SUN~~~~~VTL		6.1	11.31	10	10

1. NDMP Direct Copy with Physical Drives Shared support 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 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	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

Tape Libraries - Considerations	Tape Libraries - NetBackup Robot Types	Tape Libraries - Legend
Tape Libraries - Vendor Compatibility		

Tape Libraries - Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the "NetBackup 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</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 not 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 and TLH) 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 CentOS and Oracle Linux 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. Library expansion modules are supported unless noted otherwise.3. 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.4. 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, 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. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	<ol style="list-style-type: none">1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 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 7.7 - 7.7.x Operating System Software Compatibility List](https://www.veritas.com/docs/100015485)" <<https://www.veritas.com/docs/100015485>> .

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 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</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 CentOS and Oracle Linux 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 7.7 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 7.7 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. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	<ol style="list-style-type: none">1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and later.

ACS - Oracle Automated Cartridge System

Operating System	NetBackup Release Supported
AIX on POWER	7.7 GA
HP-UX on IA64	7.7 GA
NDMP	7.7 GA
Red Hat Enterprise Linux on x86-64	7.7 GA
Red Hat Enterprise Linux on zArch	7.7 GA
Solaris on SPARC	7.7 GA [1]
Solaris on x64	7.7 GA [1]
SUSE Linux Enterprise Server on x86-64	7.7 GA
SUSE Linux Enterprise Server on zArch	7.7 GA
Windows Server 2008 x64	7.7 GA [2]
Windows Server 2012 x64	7.7 GA [3]

1. 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.

ACSL Media Types	NetBackup Release Supported
3480	7.7 GA
3490E	7.7 GA
DD3A	7.7 GA
DD3B	7.7 GA
DD3C	7.7 GA
DD3D	7.7 GA
DLTIII	7.7 GA
DLTIIIXT	7.7 GA
DLTIV	7.7 GA

ACSLS Media Types	NetBackup Release Supported
EECART	7.7 GA
JLABEL	7.7 GA
KLABEL	7.7 GA
LTO_1_5_T	7.7 GA
LTO_1_5_W	7.7 GA
LTO_2_5_T	7.7 GA
LTO_2_5_W	7.7 GA
LTO_10GB	7.7 GA
LTO_35GB	7.7 GA
LTO_50GB	7.7 GA
LTO_100G	7.7 GA
LTO_200G	7.7 GA
LTO_400G	7.7 GA
LTO_400W	7.7 GA
LTO_800G	7.7 GA
LTO_800W	7.7 GA
LTO_CLN1	7.7 GA
LTO_CLN2	7.7 GA
LTO_CLN3	7.7 GA
LTO_CLNU	7.7 GA
SDLT	7.7 GA
SDLT_2	7.7 GA
SDLT_4	7.7 GA
SDLT_S1	7.7 GA
SDLT_S2	7.7 GA
SDLT_S3	7.7 GA
SDLT_S4	7.7 GA
STK1R	7.7 GA

ACSL S Media Types	NetBackup Release Supported
STK1U	7.7 GA
STK1Y	7.7 GA
STK2P	7.7 GA
STK2W	7.7 GA
T10000CC	7.7 GA
T10000CL	7.7 GA
T10000CT	7.7 GA
T10000T1	7.7 GA
T10000T2	7.7 GA
T10000TS	7.7 GA
T10000TT	7.7 GA
VIRTUAL	7.7 GA

TLD - Tape Library DLT

Operating System	NetBackup Release Supported
AIX on POWER	7.7 GA - Note: Veritas is no longer supporting the ovpass driver. For more information, see the note at the beginning of this section.
HP-UX on IA64	7.7 GA
NDMP	7.7 GA
Red Hat Enterprise Linux on x86-64	7.7 GA
Red Hat Enterprise Linux on zArch	7.7 GA
Solaris on SPARC	7.7 GA
Solaris on x64	7.7 GA
SUSE Linux Enterprise Server on x86-64	7.7 GA
SUSE Linux Enterprise Server on zArch	7.7 GA
Windows Server 2008 x64	7.7 GA
Windows Server 2012 x64	7.7 GA

Tape Libraries - TLH Robot Type Considerations

Subject	Notes
Support assumptions	<p>For details on supported operating systems, please refer to the "NetBackup 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</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 CentOS and Oracle Linux 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. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> 1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 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
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 2008 x64	6.8.3.0

TLH - IBM Automated Tape Library (ATL)

Operating System	Library Device Driver Version
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	7.7 GA
3490E	7.7 GA
3590J	7.7 GA
3590K	7.7 GA
3592JA	7.7 GA
3592JB	7.7 GA
3592JJ	7.7 GA
3592JR	7.7 GA
3592JW	7.7 GA
3592JX	7.7 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>Dell EMC</u>	<u>Fujitsu</u>
<u>H3C</u>	<u>Hewlett Packard Enterprise</u>	<u>Hitachi</u>
<u>IBM</u>	<u>NEC</u>	<u>Oracle</u>
<u>Overland Storage</u>	<u>Qualstar</u>	<u>Quantum</u>
<u>Spectra Logic</u>	<u>Sun</u>	<u>Tandberg</u>

ADIC

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

Dell EMC

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

Fujitsu

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ETERNUS LT20 - Fibre Channel	FSC^FibreCAT^TX08	Multi LUN	TLD	This library is also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT40 - SAS	FSC^FibreCAT-TX24^S2	Multi LUN	TLD	

Fujitsu

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
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 also 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 also 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 also 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 LT140 - Fibre Channel	FUJITSU^ETERNUS^LT260	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT140 - SAS	FUJITSU^ETERNUS^LT260	Multi LUN	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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT230 (T40A2) - SCSI	NEC^T40A2	Multi LUN	TLD	
ETERNUS LT250 - Fibre Channel	FUJITSU^NML7A	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.

Fujitsu

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ETERNUS LT250 - SCSI	FUJITSU^NML7A	SCSI ID	TLD	
ETERNUS LT260 - Fibre Channel	FUJITSU^ETERNUS^LT260	Multi LUN	TLD	This library is also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT270 S2 - Fibre Channel	ETERNUS^LT270S2	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX08 - Fibre Channel	FSC^FibreCAT^TX08	Multi LUN	TLD	This library is also 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 also 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 also 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 also 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 also 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	

H3C

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
CT108 - Fibre Channel	HP^1x8^G2^AUTOLDR	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
CT108 - SAS	HP^1x8^G2^AUTOLDR	Multi LUN	TLD	
CT224 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
CT224 - SAS	HP^MSL^G3^Series	Multi LUN	TLD	
CT448 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
CT448 - SAS	HP^MSL^G3^Series	Multi LUN	TLD	
CT7680 - Fibre Channel	HP^MSL6480	Multi LUN	TLD	
CT7680 - SAS	HP^MSL6480	Multi LUN	TLD	

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
1/8 G2 Tape Autoloader - Fibre Channel	HP^1x8^G2^AUTOLDR	Multi LUN	TLD	This library is also 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	
EML E-Series - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 103e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
EML E-Series 348e - Fibre Channel	HP^EML^E-Series	Multi LUN	TLD	This library is also 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 also 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 also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
ESL E-Series - Fibre Channel	HP^ESL^E-Series	SCSI ID	TLD	Please see Technical Solution Article This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ESL E-Series 286e - SCSI (Retiring soon)	HP^ESL^E-Series	SCSI ID	TLD	
ESL E-Series 322e - Fibre Channel	HP^ESL^E-Series	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ESL E-Series 630e - SCSI (Retiring soon)	HP^ESL^E-Series^630e	SCSI ID	TLD	
ESL E-Series 712e - Fibre Channel	HP^ESL^E-Series	SCSI ID	TLD	This library is also 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 also 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 also 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.

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
MSL3040 - Fibre Channel	HPE^MSL3040	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL3040 - SAS	HPE^MSL3040	Multi LUN	TLD	
MSL4048 - Fibre Channel	HP^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender. This library is also 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 (Retiring soon)	HP^MSL5000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
MSL5026DLX - SCSI (Retiring soon)	HP^MSL5000	SCSI ID	TLD	
MSL5026S2 - Fibre Channel (Retiring soon)	HP^MSL5000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
MSL5026S2 - SCSI (Retiring soon)	HP^MSL5000	SCSI ID	TLD	
MSL5026SL - Fibre Channel (Retiring soon)	HP^MSL5000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5026SL - SCSI (Retiring soon)	HP^MSL5000	SCSI ID	TLD	
MSL5030L1 - Fibre Channel (Retiring soon)	HP^MSL5000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5030L1 - SCSI (Retiring soon)	HP^MSL5000	SCSI ID	TLD	
MSL5052S2 - Fibre Channel (Retiring soon)	HP^MSL5000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5052S2 - SCSI (Retiring soon)	HP^MSL5000	SCSI ID	TLD	

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
MSL5052SL - Fibre Channel (Retiring soon)	HP^MSL5000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5052SL - SCSI (Retiring soon)	HP^MSL5000	SCSI ID	TLD	
MSL5060L1 - Fibre Channel (Retiring soon)	HP^MSL5000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL5060L1 - SCSI (Retiring soon)	HP^MSL5000	SCSI ID	TLD	
MSL6000 Series - Fibre Channel (Retiring soon)	HP^MSL6000^Series	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL6000 Series - SCSI (Retiring soon)	HP^MSL6000^Series	SCSI ID	TLD	
MSL6030L2 - Fibre Channel (Retiring soon)	HP^MSL6000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL6030L2 - SCSI (Retiring soon)	HP^MSL6000	SCSI ID	TLD	
MSL6060L2 - Fibre Channel (Retiring soon)	HP^MSL6000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
MSL6060L2 - SCSI (Retiring soon)	HP^MSL6000	SCSI ID	TLD	
MSL6480 - Fibre Channel	HP^MSL6480	Multi LUN	TLD	Barcode labels are strongly recommended. This library is also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
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 (Retiring soon)	HP^UHDL	Multi LUN	TLD	
SSL1016L2 - Fibre Channel (Retiring soon)	HP^UHDL	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
SSL1016L2 - SCSI (Retiring soon)	HP^UHDL	SCSI ID	TLD	
SSL1016S2 - Fibre Channel (Retiring soon)	HP^UHDL	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
SSL1016S2 - SCSI (Retiring soon)	HP^UHDL	SCSI ID	TLD	

Hitachi

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
L1/30A - Fibre Channel	STK^SL150	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
L1/30A - SAS	STK^SL150	Multi LUN	TLD	
L2/30A - Fibre Channel	STK^SL150	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
L2/30A - SAS	STK^SL150	Multi LUN	TLD	
L18/500 - Fibre Channel	STK^SL500	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
L18/500 - SCSI	STK^SL500	SCSI ID	TLD	
L20/300 - Fibre Channel	STK^SL150	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
L20/300 - SAS	STK^SL150	Multi LUN	TLD	

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
3607 1x16 - SCSI	IBM~~~~3607116	Multi LUN	TLD	
33614LX - Fibre Channel	IBM~~~~33614LX	Multi LUN	TLD	Library partitioning is supported with firmware V26 (001A) or later. This library is also 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 also 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	
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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
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 also 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.
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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
System Storage TS4300 (Machine Type 3555) - 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
System Storage TS4300 (Machine Type 3555) - SAS	IBM~~~~3573-TL	Multi LUN	TLD	

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
System Storage TS4500 (Machine Type 3584) - Fibre Channel	IBM~~~~~03584	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
TotalStorage 3494 - Ethernet (Retiring soon)			TLH	

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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
iStorage T700 - Fibre Channel	STK~~~~~L700	SCSI ID	TLD	This library is also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
T30A - SAS	NEC~~~~~LL-2B01	Multi LUN	TLD	Firmware version 0003 or later is required.

NEC

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
T40A - Fibre Channel	NEC^T40A	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
T40A - SCSI	NEC^T40A	SCSI ID		
T40A2 - Fibre Channel	NEC^T40A2	Multi LUN	TLD	This library is also 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 also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
T700A - Fibre Channel	FUJITSU^NML10A	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
T700A2 - Fibre Channel	ETERNUS^LT270S2	SCSI ID	TLD	This library is also 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 also 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 also 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	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL150 - Fibre Channel	STK^^^^SL150	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL150 - SAS	STK^^^^SL150	Multi LUN	TLD	
StorageTek SL500 - Fibre Channel	STK^^^^SL500	SCSI ID	ACS, TLD	This library is also 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^S-SCSI	SCSI ID	ACS	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL3000 - Fibre Channel	STK^^^^SL3000	SCSI ID	ACS, TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL4000 - Fibre Channel	STK^^^^SL4000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL8500 - Ethernet	SUN^^^^ACSL^S-SCSI	SCSI ID	ACS, TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Sun STK SL3000 - Ethernet	SUN^^^^ACSL^S-SCSI		ACS	

Overland Storage

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ARCvault series - Fibre Channel	OVERLANDARCvault	Multi LUN	TLD	This library is also 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 also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 400s - SAS	HP^^^^MSL^G3^Series	Multi LUN	TLD	
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 also 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 also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
NEO 8000 - SCSI	OVERLANDNEO^Series	SCSI ID	TLD	

Overland Storage

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
NEO 8000e - Fibre Channel	OVERLANDNEO^Series	Multi LUN	TLD	This library is also 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 also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
NEOxl series - SAS	BDT~~~~MULTISTAK	Multi LUN	TLD	

Qualstar

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
Q24 - Fibre Channel	BDT~~~~FlexStor^II	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Q24 - SAS	BDT~~~~FlexStor^II	Multi LUN	TLD	
RLS-6000 (S)DLT series - Fibre Channel	QUALSTARRLS-6	SCSI ID	TLD	This library is also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.

Qualstar

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
RLS-8350 - Fibre Channel	QUALSTARRLS-85	Multi LUN	TLD	This library is also 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 also 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-6000 DLT series - Fibre Channel	QUALSTARTLS-6	SCSI ID	TLD	This library is also 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 also 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	
XLS-8000 - Fibre Channel	QUALSTARXLS-8000	SCSI ID	TLD	This library is also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.

Quantum

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
PX500 Series - Fibre Channel (Retiring soon)	QUANTUM^PX500	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
PX500 Series - SCSI (Retiring soon)	QUANTUM^PX500	SCSI ID	TLD	
PX720 - Fibre Channel	QUANTUM^PX720	SCSI ID	TLD	This library is also 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 also 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	
Scalar i3 - Fibre Channel	QUANTUM^Scalar^i3-i6	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i3 - SAS	QUANTUM^Scalar^i3-i6	Multi LUN	TLD	
Scalar i6 - Fibre Channel	QUANTUM^Scalar^i3-i6	Multi LUN	TLD	This library is also 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 also 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 also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.

Quantum

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
SuperLoader 3 - Fibre Channel	QUANTUM^UHDL	Multi LUN	TLD	This library is also 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	

Spectra Logic

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
Spectra T-Finity - Fibre Channel	SPECTRA^PYTHON	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T50e - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
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 also supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T380 - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T680 - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra T950 - Fibre Channel	SPECTRA^PYTHON	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.

Sun

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageTek L180 - Fibre Channel (Retiring soon)	STK^L180	SCSI ID	ACS, TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek L180 - SCSI (Retiring soon)	STK^L180	SCSI ID	ACS, TLD	
StorageTek L700 - Fibre Channel (Retiring soon)	STK^L700	SCSI ID	ACS, TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek L700 - SCSI (Retiring soon)	STK^L700	SCSI ID	ACS, TLD	
StorageTek L700e - Fibre Channel (Retiring soon)	STK^L700	SCSI ID	ACS	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek L700e - SCSI (Retiring soon)	STK^L700	SCSI ID	ACS	
StorageTek L1400 - Fibre Channel (Retiring soon)	STK^L700e	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL24 - Fibre Channel (Retiring soon)	HP^MSL^G3^Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL24 - SAS (Retiring soon)	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL24 - SCSI (Retiring soon)	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL48 - Fibre Channel (Retiring soon)	HP^MSL^G3^Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL48 - SAS (Retiring soon)	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL48 - SCSI (Retiring soon)	HP^MSL^G3^Series	Multi LUN	TLD	
StorageTek SL500 - Fibre Channel (Retiring soon)	STK^SL500	SCSI ID	ACS, TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL500 - SCSI (Retiring soon)	STK^SL500	SCSI ID	ACS, TLD	

Sun

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageTek SL3000 - Ethernet (Retiring soon)	STK^SL3000	SCSI ID	ACS	AEM support requires Sun StorageTek ACSLS 8.0 or later. Library partitioning with Dedicated CAP is supported. Sun StorageTek ACSLS 7.3 or later is required. This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL3000 - Fibre Channel (Retiring soon)	STK^SL3000	SCSI ID	TLD	AEM is supported. Library partitioning with Dedicated CAP is supported. This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageTek SL8500 - Ethernet (Retiring soon)	SUN^ACSL-SCSI		ACS, TLD	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL. This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorEdge C2 - SCSI (Retiring soon)	QUANTUM^UHDL	Multi LUN	TLD	
StorEdge C4 - Fibre Channel (Retiring soon)	QUANTUM^PX500	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorEdge C4 - SCSI (Retiring soon)	QUANTUM^PX500	SCSI ID	TLD	
StorEdge C10 - SCSI (Retiring soon)	QUANTUM^PX500	SCSI ID	TLD	
StorEdge L180 - SCSI (Retiring soon)	STK^L180	SCSI ID	TLD	
StorEdge L500 - SCSI (Retiring soon)	STK^SL500	SCSI ID	TLD	
StorEdge L700 - SCSI (Retiring soon)	STK^L700	SCSI ID	TLD	
StorEdge L5500 - SCSI (Retiring soon)			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 L6000 - SCSI (Retiring soon)			ACS	For detailed ACSLS support information, see the NetBackup Robot Types section of this HCL.
StorEdge L8500 - Ethernet (Retiring soon)			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.

Tandberg

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageLibrary T24 - Fibre Channel	EXABYTE^MAGNUM^224	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
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 also 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 also 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 also supported with NetBackup 5200 Series and 5300 Series Appliances.

Tandberg

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
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 also 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 also 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 also 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 also 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^UHDL	Multi LUN	TLD	
SuperLoader SDLT 3520L - SCSI	QUANTUM^UHDL	Multi LUN	TLD	
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 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</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 not 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 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 5 on x86-64" it also means that 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 and Oracle Linux 7 are supported.8. Where support is shown for "SUSE Linux Enterprise Server" it also means that Novell Open Enterprise Server (Linux) is supported.9. 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.10. Backup Exec Tape Reader is not supported in NetBackup 7.7 and later releases.
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.
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.

Subject	Notes
OS tape driver considerations	1. Except where noted, Veritas recommends the use of the operating system's native tape drivers.
Operational considerations	<p>1. Tape Alert functionality is supported by all drives, unless noted otherwise.</p> <p>2. NetBackup supports LTO-7 Type M media, also known as M8 cartridges (LTO-7 cartridges formatted to a new LTO-8 standard, increasing their native capacity), in the following manner:</p> <ul style="list-style-type: none"> - M8 cartridges are supported with LTO-8 tape drives. - M8 cartridges pre-formatted by the media vendor are supported. - LTO-7 cartridges with an M8 barcode formatted as M8 using hardware vendors' software tools or tape library firmware features (automatic or manual) are supported. - NetBackup does not have the ability to convert LTO-7 cartridges with an M8 barcode to M8 format. - For more information on M8 media (for example, formatting methods, supported barcodes, other technical information), please consult the vendor's documentation.
Operating system support added	1. AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and later.

Tape Drives - Attributes

The following table lists attributes supported with Tape Drives and indicates the NetBackup 7.7.x version at which that attribute was first supported.

Attribute	Abbreviation	NetBackup Release Supported
SCSI Reservation	SResv	7.7 GA
SCSI Persistent Reservation	SPR	7.7 GA
Write Once, Read Many	WORM	7.7 GA
NetBackup Encryption Key Management Service	KMS	7.7 GA
Append-only mode	Append	7.7 GA

Tape Drives - Vendor Compatibility

Contents

<u>Dell EMC</u>	<u>Hewlett Packard Enterprise</u>	<u>IBM</u>
<u>Oracle</u>	<u>Quantum</u>	<u>Sun</u>
<u>Tandberg</u>		

Dell EMC

Dell EMC - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
PowerVault LTO-6 - Fibre Channel	IBM~~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	Yes	Yes
PowerVault LTO5-140 FH - Fibre Channel	IBM~~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	Yes	Yes

Dell EMC - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
PowerVault 110T LTO2 (Gen2 IBM) - SCSI [1]	IBM~~~~~ULTRIUM-TD2		Enterprise Edition	No	5, 6	10, 11
PowerVault 110T SDLT320 - SCSI	QUANTUM^SDLT320		Enterprise Edition	No	5, 6	10, 11
PowerVault 110T VS160 - SCSI	QUANTUM^DLT^VS160		Enterprise Edition	No	5, 6	10, 11
PowerVault 160T LTO2 - SCSI [1]	IBM~~~~~ULTRIUM-TD2		Enterprise Edition	No	5, 6	10, 11
PowerVault LTO-6 - Fibre Channel	IBM~~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
PowerVault LTO-6 - SAS	IBM~~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
PowerVault LTO-7 - SAS	IBM~~~~~ULTRIUM-HH7	KMS, WORM	No	Datacenter	6, 7	11, 12
PowerVault LTO-7 FH FC - Fibre Channel	IBM~~~~~ULTRIUM-TD7	Append, KMS, SResv, SPR, WORM	No	Datacenter	6, 7	11, 12
PowerVault LTO-7 HH FC - Fibre Channel	IBM~~~~~ULT3580-HH7	Append, KMS, SResv, SPR, WORM	No	Datacenter	6, 7	11, 12

Dell EMC - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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 HH SAS - SAS	IBM^ULTR3580-HH7	KMS, WORM	No	Datacenter	6, 7	11, 12
PowerVault LTO4 HH - SAS	IBM^ULTR3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
PowerVault LTO4-120 - SAS [1]	IBM^ULTRIUM-TD4	WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
PowerVault LTO5 HH - SAS	IBM^ULTR3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
PowerVault LTO5-140 - SAS	IBM^ULTRIUM-HH5	SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
PowerVault LTO5-140 FH - Fibre Channel	IBM^ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
PowerVault LTO6 HH - SAS	IBM^ULTR3580-HH6	KMS, SResv, SPR, WORM	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.

Dell EMC - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
PowerVault 110T LTO2 (Gen2 IBM) - SCSI [1]	IBM^ULTRIUM-TD2		6.1	11.31	10	10
PowerVault 110T SDLT320 - SCSI	QUANTUM^SDLT320		6.1	11.31	10	10
PowerVault 110T VS160 - SCSI	QUANTUM^DLT^VS160		6.1	No	10	10
PowerVault 160T LTO2 - SCSI [1]	IBM^ULTRIUM-TD2		6.1	11.31	10	10

Dell EMC - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
PowerVault LTO-6 - Fibre Channel	IBM~~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10
PowerVault LTO-6 - SAS	IBM~~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10
PowerVault LTO-7 - SAS	IBM~~~~~ULTRIUM-HH7	KMS, WORM	6.1, 7.1	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	10, 11	10, 11
PowerVault LTO-7 HH FC - Fibre Channel	IBM~~~~~ULT3580-HH7	Append, KMS, SResv, SPR, WORM	6.1, 7.1	No	10, 11	10, 11
PowerVault LTO-7 HH SAS - SAS	IBM~~~~~ULT3580-HH7	KMS, WORM	6.1, 7.1	No	10, 11	10, 11
PowerVault LTO4 HH - SAS	IBM~~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
PowerVault LTO5 HH - SAS	IBM~~~~~ULT3580-HH5	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
PowerVault LTO6 HH - SAS	IBM~~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	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.

Hewlett Packard Enterprise

Hewlett Packard Enterprise - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
Ultrium 460 LTO2 - Fibre Channel (Retiring soon)	HP~~~~~Ultrium^2-SCSI	SResv	Yes	Yes
Ultrium 960 LTO3 - Fibre Channel (Retiring soon)	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	HP~~~~~Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 3280 LTO5 - Fibre Channel	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	HP~~~~~Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 15750 LTO7 - Fibre Channel	HP~~~~~Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Yes	Yes

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
DLT VS160 - SCSI (Retiring soon)	HP~~~~~DLT^VS160		Enterprise Edition	No	No	No	No
SDLT600 - SCSI (Retiring soon)	HP~~~~~SDLT600		Enterprise Edition	No	5, 6	No	10, 11
Ultrium 215 LTO1 - SCSI (Retiring soon)	HP~~~~~Ultrium^1-SCSI		Enterprise Edition	No	5, 6	No	10, 11

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
Ultrium 230 LTO1 - SCSI (Retiring soon)	HP~~~~~Ultrium^1-SCSI		Enterprise Edition	No	5, 6	No	10, 11
Ultrium 448 LTO2 - SAS (Retiring soon)	HP~~~~~Ultrium^2-SCSI		Enterprise Edition	No	5, 6	No	10, 11
Ultrium 448 LTO2 - SCSI (Retiring soon)	HP~~~~~Ultrium^2-SCSI		Enterprise Edition	No	5, 6	No	No
Ultrium 460 LTO2 - Fibre Channel (Retiring soon)	HP~~~~~Ultrium^2-SCSI		Enterprise Edition	No	5, 6	5	10, 11
Ultrium 460 LTO2 - SCSI (Retiring soon)	HP~~~~~Ultrium^2-SCSI		Enterprise Edition	No	5, 6	No	10, 11
Ultrium 920 LTO3 - SAS	HP~~~~~Ultrium^3-SCSI		No	No	5, 6	No	10, 11
Ultrium 920 LTO3 - SCSI	HP~~~~~Ultrium^3-SCSI	WORM	Enterprise Edition	No	5, 6	No	No
Ultrium 960 LTO3 - Fibre Channel (Retiring soon)	HP~~~~~Ultrium^3-SCSI	SPR, WORM	Enterprise Edition	Datacenter	5, 6	5	10, 11
Ultrium 960 LTO3 - SCSI (Retiring soon)	HP~~~~~Ultrium^3-SCSI	WORM	Enterprise Edition	No	5, 6	No	10, 11
Ultrium 1760 LTO4 - Fibre Channel	HP~~~~~Ultrium^4-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 1760 LTO4 - SAS	HP~~~~~Ultrium^4-SCSI	WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 1760 LTO4 - SCSI	HP~~~~~Ultrium^4-SCSI	WORM	Enterprise Edition	No	5, 6	No	10, 11
Ultrium 1840 LTO4 - Fibre Channel	HP~~~~~Ultrium^4-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12
Ultrium 1840 LTO4 - SAS	HP~~~~~Ultrium^4-SCSI	WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 1840 LTO4 - SCSI	HP~~~~~Ultrium^4-SCSI	WORM	Enterprise Edition	No	5, 6	No	10, 11

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
Ultrium 3000 LTO5 - Fibre Channel	HP~~~~~Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 3000 LTO5 - SAS	HP~~~~~Ultrium^5-SCSI	SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 3280 LTO5 - Fibre Channel	HP~~~~~Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12
Ultrium 3280 LTO5 - SAS	HP~~~~~Ultrium^5-SCSI	KMS, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 6250 LTO6 - Fibre Channel	HP~~~~~Ultrium^6-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 6250 LTO6 - SAS	HP~~~~~Ultrium^6-SCSI	KMS, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 6650 LTO6 - Fibre Channel	HP~~~~~Ultrium^6-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 6650 LTO6 - SAS	HP~~~~~Ultrium^6-SCSI	KMS, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 15000 LTO7 - Fibre Channel	HP~~~~~Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition [1]	Datacenter	6, 7	No	11, 12
Ultrium 15000 LTO7 - SAS	HP~~~~~Ultrium^7-SCSI	KMS, WORM	Enterprise Edition [1]	Datacenter	6, 7	No	11, 12
Ultrium 15750 LTO7 - Fibre Channel	HP~~~~~Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition [1]	Datacenter	6, 7	No	11, 12
Ultrium 30750 LTO8 - Fibre Channel	HPE~~~~~Ultrium^8-SCSI	KMS, SResv, SPR	Enterprise Edition [1]	Datacenter	6, 7	No	11, 12
Ultrium 30750 LTO8 - SAS	HPE~~~~~Ultrium^8-SCSI	KMS	Enterprise Edition [1]	Datacenter	6, 7	No	11, 12

1. Requires Windows 2008 R2 or later.

Hewlett Packard Enterprise - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
SDLT600 - SCSI (Retiring soon)	HP~~~~~SDLT600		6.1	11.31	10	10
Ultrium 215 LTO1 - SCSI (Retiring soon)	HP~~~~~Ultrium^1-SCSI		No	11.31	10	10
Ultrium 230 LTO1 - SCSI (Retiring soon)	HP~~~~~Ultrium^1-SCSI		6.1	11.31	10	10
Ultrium 448 LTO2 - SCSI (Retiring soon)	HP~~~~~Ultrium^2-SCSI		No	No	10	10
Ultrium 460 LTO2 - Fibre Channel (Retiring soon)	HP~~~~~Ultrium^2-SCSI		6.1	11.31	10	10 [1]
Ultrium 460 LTO2 - SCSI (Retiring soon)	HP~~~~~Ultrium^2-SCSI		6.1	11.31	10	10
Ultrium 920 LTO3 - SAS	HP~~~~~Ultrium^3-SCSI		No	11.31	10, 11	10, 11
Ultrium 920 LTO3 - SCSI	HP~~~~~Ultrium^3-SCSI	WORM	6.1	11.31	10	10
Ultrium 960 LTO3 - Fibre Channel (Retiring soon)	HP~~~~~Ultrium^3-SCSI	SPR, WORM	6.1	11.31	10, 11	10, 11
Ultrium 960 LTO3 - SCSI (Retiring soon)	HP~~~~~Ultrium^3-SCSI	WORM	6.1	11.31	10	10
Ultrium 1760 LTO4 - Fibre Channel	HP~~~~~Ultrium^4-SCSI	KMS, WORM	6.1	11.31 [2]	10, 11	10, 11
Ultrium 1760 LTO4 - SAS	HP~~~~~Ultrium^4-SCSI	WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 1760 LTO4 - SCSI	HP~~~~~Ultrium^4-SCSI	KMS, WORM	6.1	11.31 [2]	10	10
Ultrium 1840 LTO4 - Fibre Channel	HP~~~~~Ultrium^4-SCSI	SPR, WORM	6.1	11.31 [2]	10, 11	10, 11
Ultrium 1840 LTO4 - SAS	HP~~~~~Ultrium^4-SCSI	WORM	6.1, 7.1	No	10	No
Ultrium 1840 LTO4 - SCSI	HP~~~~~Ultrium^4-SCSI	WORM	6.1	11.31 [2]	10	No
Ultrium 3000 LTO5 - Fibre Channel	HP~~~~~Ultrium^5-SCSI	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 3000 LTO5 - SAS	HP~~~~~Ultrium^5-SCSI	KMS, SPR, WORM	No	11.31	10, 11	10, 11
Ultrium 3280 LTO5 - Fibre Channel	HP~~~~~Ultrium^5-SCSI	SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 3280 LTO5 - SAS	HP~~~~~Ultrium^5-SCSI	SPR, WORM	No	11.31	10, 11	10, 11
Ultrium 6250 LTO6 - Fibre Channel	HP~~~~~Ultrium^6-SCSI	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10	10
Ultrium 6250 LTO6 - SAS	HP~~~~~Ultrium^6-SCSI	KMS, WORM	No	11.31	10	10
Ultrium 6650 LTO6 - Fibre Channel	HP~~~~~Ultrium^6-SCSI	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10	10, 11
Ultrium 6650 LTO6 - SAS	HP~~~~~Ultrium^6-SCSI	KMS, WORM	No	11.31	10	10
Ultrium 15000 LTO7 - Fibre Channel	HP~~~~~Ultrium^7-SCSI	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11

Hewlett Packard Enterprise - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Ultrium 15000 LTO7 - SAS	HP^Ultrium^7-SCSI	KMS, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 15750 LTO7 - Fibre Channel	HP^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 30750 LTO8 - Fibre Channel	HPE^Ultrium^8-SCSI	KMS, SResv, SPR	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 30750 LTO8 - SAS	HPE^Ultrium^8-SCSI	KMS, SResv, SPR	6.1, 7.1	11.31	10, 11	10, 11

1. Fibre Channel resume logic is not supported on Solaris x64.
2. Requires HP-UX 11.31 patch PHKL_36312.

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	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	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	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	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	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 (Retiring soon)	IBM~~~~~03590E	SResv	Yes	Yes
TotalStorage 3590H Series - Fibre Channel (Retiring soon)	IBM~~~~~03590H	SResv	Yes	Yes
TotalStorage 3592 Model J1A - Fibre Channel (Retiring soon)	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	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	IBM~~~~~ULTRIUM-TD7	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 7 Half Height - Fibre Channel	IBM~~~~~ULTRIUM-HH7	KMS, SResv, SPR, WORM	Yes	Yes

1. 4Gb Fibre Channel supported.

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
System Storage TS1030 (3588 Model F3B) Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SPR, WORM	Enterprise Edition	No	5, 6	No	10, 11
System Storage TS1040 (3588 Model F4A) Ultrium 4 - Fibre Channel	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS1050 (3588 Model F5A) Ultrium 5 - Fibre Channel	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS1060 (3588 Model F6A) Ultrium 6 - Fibre Channel	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS1070 (3588 Model F7A) Ultrium 7 - Fibre Channel	IBM~~~~~ULT3580-TD7	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	11, 12
System Storage TS1120 (3592 Model E05) - Fibre Channel	IBM~~~~~03592E05	SResv, SPR, WORM	Enterprise Edition	No	5, 6, 7	5	10, 11, 12
System Storage TS1130 (3592 Model E06) - Fibre Channel	IBM~~~~~03592E06	SResv, WORM	Enterprise Edition	No	5, 6, 7	No	10, 11, 12
System Storage TS1140 (3592 Model E07) - Fibre Channel	IBM~~~~~03592E07	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
System Storage TS1150 (3592 Model E08) - Fibre Channel	IBM~~~~03592E08	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	6, 7	No	11, 12
System Storage TS1155 (3592 Model 55F) - Fibre Channel	IBM~~~~0359255F	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	11, 12
System Storage TS2230 Ultrium 3 Half Height - SAS	IBM~~~~ULT3580-HH3	WORM	Enterprise Edition	No	5, 6	No	10, 11
System Storage TS2230 Ultrium 3 Half Height - SCSI	IBM~~~~ULT3580-HH3	WORM	Enterprise Edition	No	5, 6	No	10, 11
System Storage TS2240 Ultrium 4 Half Height - Fibre Channel	IBM~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2240 Ultrium 4 Half Height - SAS	IBM~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2250 Ultrium 5 Half Height - Fibre Channel	IBM~~~~ULT3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2250 Ultrium 5 Half Height - SAS	IBM~~~~ULT3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2260 Ultrium 6 Half Height - Fibre Channel	IBM~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2260 Ultrium 6 Half Height - SAS	IBM~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2270 Ultrium 7 Half Height - Fibre Channel	IBM~~~~ULT3580-HH7	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	11, 12
System Storage TS2270 Ultrium 7 Half Height - SAS	IBM~~~~ULT3580-HH7	KMS, WORM	No	Datacenter	6, 7	No	11, 12
System Storage TS2280 Ultrium 8 Half Height - Fibre Channel	IBM~~~~ULT3580-HH8	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	No
System Storage TS2280 Ultrium 8 Half Height - SAS	IBM~~~~ULT3580-HH8	KMS, WORM	No	Datacenter	6, 7	No	No

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
System Storage TS2340 Ultrium 4 - Fibre Channel	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2340 Ultrium 4 - SAS	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2340 Ultrium 4 - SCSI	IBM~~~~~ULT3580-TD4	WORM	Enterprise Edition	No	5, 6	No	10, 11
System Storage TS2350 Ultrium 5 - Fibre Channel	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2350 Ultrium 5 - SAS	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2360 Ultrium 6 - Fibre Channel	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2360 Ultrium 6 - SAS	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
System Storage TS2370 Ultrium 7 - Fibre Channel	IBM~~~~~ULT3580-TD7	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	11, 12
System Storage TS2380 Ultrium 8 - Fibre Channel	IBM~~~~~ULT3580-TD8	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	11
TotalStorage 3580 Ultrium 1 - Fibre Channel (Retiring soon)	IBM~~~~~ULT3580-TD1		Enterprise Edition	No	5, 6	No	10, 11
TotalStorage 3580 Ultrium 1 - SCSI (Retiring soon)	IBM~~~~~ULT3580-TD1		Enterprise Edition	No	5, 6	No	10, 11
TotalStorage 3580 Ultrium 2 - Fibre Channel (Retiring soon)	IBM~~~~~ULT3580-TD2		Enterprise Edition	No	5, 6	No	10, 11
TotalStorage 3580 Ultrium 2 - SCSI (Retiring soon)	IBM~~~~~ULT3580-TD2		Enterprise Edition	No	5, 6	No	10, 11
TotalStorage 3580 Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SPR, WORM	Enterprise Edition	No	5, 6	No	10, 11

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
TotalStorage 3580 Ultrium 3 - SCSI	IBM~~~~~ULT3580-TD3	WORM	Enterprise Edition	No	5, 6	No	10, 11
TotalStorage 3590E Series - Fibre Channel (Retiring soon)	IBM~~~~~03590E	SResv	Enterprise Edition	No	5, 6, 7	No	10, 11, 12
TotalStorage 3590E Series - SCSI (Retiring soon)	IBM~~~~~03590E		Enterprise Edition	No	5, 6	No	10, 11
TotalStorage 3590H Series - Fibre Channel (Retiring soon)	IBM~~~~~03590H	SResv	Enterprise Edition	No	5, 6, 7	No	10, 11, 12
TotalStorage 3590H Series - SCSI (Retiring soon)	IBM~~~~~03590H		Enterprise Edition	No	5, 6	No	10, 11
TotalStorage 3592 Model J1A - Fibre Channel (Retiring soon)	IBM~~~~~03592J1A	SResv, WORM	Enterprise Edition	No	5, 6, 7	5	10, 11, 12
Ultrium 1 - Fibre Channel (Retiring soon)	IBM~~~~~ULTRIUM-TD1		Enterprise Edition	No	5, 6	No	10, 11
Ultrium 1 - SCSI (Retiring soon)	IBM~~~~~ULTRIUM-TD1		Enterprise Edition	No	5, 6	No	10, 11
Ultrium 2 - Fibre Channel (Retiring soon)	IBM~~~~~ULTRIUM-TD2		Enterprise Edition	No	5, 6	5	10, 11
Ultrium 2 - SCSI (Retiring soon)	IBM~~~~~ULTRIUM-TD2		Enterprise Edition	No	5, 6	No	10, 11
Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULTRIUM-TD3	SResv, SPR, WORM	Enterprise Edition	No	5, 6	5	10, 11
Ultrium 3 - SCSI	IBM~~~~~ULTRIUM-TD3	WORM	Enterprise Edition	No	5, 6	No	10, 11
Ultrium 3 Half Height - SAS	IBM~~~~~ULTRIUM-HH3	WORM	Enterprise Edition	No	5, 6	No	10, 11
Ultrium 3 Half Height - SCSI	IBM~~~~~ULTRIUM-HH3	WORM	Enterprise Edition	No	5, 6	No	10, 11

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
Ultrium 4 (U160) - SCSI	IBM~~~~ULTRIUM-TD4	WORM	Enterprise Edition	No	5, 6	No	10, 11
Ultrium 4 - Fibre Channel	IBM~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12
Ultrium 4 - SAS	IBM~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 4 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 4 Half Height - SAS	IBM~~~~ULTRIUM-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 5 - Fibre Channel	IBM~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12
Ultrium 5 - SAS	IBM~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 5 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 5 Half Height - SAS	IBM~~~~ULTRIUM-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 6 - Fibre Channel	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12
Ultrium 6 - SAS	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 6 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 6 Half Height - SAS	IBM~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
Ultrium 7 - Fibre Channel	IBM~~~~ULTRIUM-TD7	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	10, 11, 12
Ultrium 7 - SAS	IBM~~~~ULTRIUM-TD7		No	Datacenter	6, 7	No	10, 11, 12

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
Ultrium 7 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH7	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	11, 12
Ultrium 7 Half Height - SAS	IBM~~~~ULTRIUM-HH7	KMS, WORM	No	Datacenter	6, 7	No	11, 12
Ultrium 8 - Fibre Channel	IBM~~~~ULTRIUM-TD8	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	11
Ultrium 8 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH8	KMS, SResv, SPR, WORM	No	Datacenter	6, 7	No	No
Ultrium 8 Half Height - SAS	IBM~~~~ULTRIUM-HH8	KMS, WORM	No	Datacenter	6, 7	No	No

1. 4Gb Fibre Channel supported.

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 DisableDPF.reg, and reboot the system.

- IBMTape driver level 6.2.6.5 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 IA64	Solaris on SPARC	Solaris on x86-64
System Storage TS1030 (3588 Model F3B) Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SPR, WORM	6.1	11.31	10, 11	10, 11
System Storage TS1040 (3588 Model F4A) Ultrium 4 - Fibre Channel	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	6.1	11.31	10, 11	10, 11
System Storage TS1050 (3588 Model F5A) Ultrium 5 - Fibre Channel	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	6.1	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	10, 11	10, 11
System Storage TS1070 (3588 Model F7A) Ultrium 7 - Fibre Channel	IBM~~~~~ULT3580-TD7	KMS, SResv, SPR, WORM	6.1, 7.1	No	10, 11	10, 11
System Storage TS1120 (3592 Model E05) - Fibre Channel	IBM~~~~~03592E05	SPR, WORM	6.1	11.31	10, 11	10, 11
System Storage TS1130 (3592 Model E06) - Fibre Channel	IBM~~~~~03592E06	WORM	6.1	11.31	10, 11	10, 11
System Storage TS1140 (3592 Model E07) - Fibre Channel	IBM~~~~~03592E07	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
System Storage TS1150 (3592 Model E08) - Fibre Channel	IBM~~~~~03592E08	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
System Storage TS2230 Ultrium 3 Half Height - SAS	IBM~~~~~ULT3580-HH3	WORM	6.1	11.31	10, 11	10, 11
System Storage TS2230 Ultrium 3 Half Height - SCSI	IBM~~~~~ULT3580-HH3	WORM	6.1	11.31	10	10
System Storage TS2240 Ultrium 4 Half Height - Fibre Channel	IBM~~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
System Storage TS2240 Ultrium 4 Half Height - SAS	IBM~~~~~ULT3580-HH4	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
System Storage TS2250 Ultrium 5 Half Height - Fibre Channel	IBM~~~~~ULT3580-HH5	Append, KMS, SResv, SPR, WORM	6.1	11.31	10, 11	10, 11
System Storage TS2250 Ultrium 5 Half Height - SAS	IBM~~~~~ULT3580-HH5	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
System Storage TS2260 Ultrium 6 Half Height - Fibre Channel	IBM~~~~~ULT3580-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	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	11.31	10	10, 11
System Storage TS2270 Ultrium 7 Half Height - Fibre Channel	IBM~~~~~ULT3580-HH7	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
System Storage TS2270 Ultrium 7 Half Height - SAS	IBM~~~~~ULT3580-HH7	KMS, WORM	6.1, 7.1	11.31	10, 11	10, 11
System Storage TS2280 Ultrium 8 Half Height - SAS	IBM~~~~~ULT3580-HH8	KMS, WORM	6.1, 7.1	No	11	No
System Storage TS2340 Ultrium 4 - Fibre Channel	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	6.1	11.31	10, 11	10, 11
System Storage TS2340 Ultrium 4 - SAS	IBM~~~~~ULT3580-TD4	KMS, SResv, SPR, WORM	6.1	11.31	10, 11	11
System Storage TS2340 Ultrium 4 - SCSI	IBM~~~~~ULT3580-TD4	WORM	6.1	11.31	10	10
System Storage TS2350 Ultrium 5 - Fibre Channel	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	6.1	11.31	10, 11	10, 11
System Storage TS2350 Ultrium 5 - SAS	IBM~~~~~ULT3580-TD5	KMS, SResv, SPR, WORM	6.1	11.31	10, 11	10, 11
System Storage TS2360 Ultrium 6 - Fibre Channel	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
System Storage TS2360 Ultrium 6 - SAS	IBM~~~~~ULT3580-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10
System Storage TS2370 Ultrium 7 - Fibre Channel	IBM~~~~~ULT3580-TD7	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
System Storage TS2380 Ultrium 8 - Fibre Channel	IBM~~~~~ULT3580-TD8	KMS, SResv, SPR, WORM	7.1	No	11	11
TotalStorage 3580 Ultrium 1 - Fibre Channel (Retiring soon)	IBM~~~~~ULT3580-TD1		6.1	11.31	10	10
TotalStorage 3580 Ultrium 1 - SCSI (Retiring soon)	IBM~~~~~ULT3580-TD1		6.1	11.31	10	10
TotalStorage 3580 Ultrium 2 - Fibre Channel (Retiring soon)	IBM~~~~~ULT3580-TD2		6.1	11.31	10	No

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
TotalStorage 3580 Ultrium 2 - SCSI (Retiring soon)	IBM~~~~~ULT3580-TD2		6.1	11.31	10	10
TotalStorage 3580 Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULT3580-TD3	SPR, WORM	6.1	11.31	10, 11	10, 11
TotalStorage 3580 Ultrium 3 - SCSI	IBM~~~~~ULT3580-TD3	WORM	6.1	11.31	10	10
TotalStorage 3590B Series - SCSI (Retiring soon) [2]	IBM~~~~~03590B		6.1	No	10	No
TotalStorage 3590E Series - Fibre Channel (Retiring soon)	IBM~~~~~03590E		6.1	No	10	10
TotalStorage 3590E Series - SCSI (Retiring soon)	IBM~~~~~03590E		6.1	No	10	10
TotalStorage 3590H Series - Fibre Channel (Retiring soon)	IBM~~~~~03590H		6.1	No	10	10
TotalStorage 3590H Series - SCSI (Retiring soon)	IBM~~~~~03590H		6.1	No	10	10
TotalStorage 3592 Model J1A - Fibre Channel (Retiring soon)	IBM~~~~~03592J1A	WORM	6.1	No	10, 11	10, 11
Ultrium 1 - Fibre Channel (Retiring soon)	IBM~~~~~ULTRIUM-TD1		6.1	No	10	10
Ultrium 1 - SCSI (Retiring soon)	IBM~~~~~ULTRIUM-TD1		6.1	No	10	10
Ultrium 2 - Fibre Channel (Retiring soon)	IBM~~~~~ULTRIUM-TD2		6.1	11.31	10	No
Ultrium 2 - SCSI (Retiring soon)	IBM~~~~~ULTRIUM-TD2		6.1	11.31	10	10
Ultrium 3 - Fibre Channel [1]	IBM~~~~~ULTRIUM-TD3	SPR, WORM	6.1	11.31	10, 11	10, 11
Ultrium 3 - SCSI	IBM~~~~~ULTRIUM-TD3	WORM	6.1	11.31	10	10
Ultrium 3 Half Height - SAS	IBM~~~~~ULTRIUM-HH3	WORM	6.1	11.31	10, 11	10, 11
Ultrium 3 Half Height - SCSI	IBM~~~~~ULTRIUM-HH3	WORM	6.1	11.31	10	10
Ultrium 4 (U160) - SCSI	IBM~~~~~ULTRIUM-TD4	WORM	6.1	11.31	10	10
Ultrium 4 - Fibre Channel	IBM~~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 4 - SAS	IBM~~~~~ULTRIUM-TD4	KMS, SResv, SPR, WORM	6.1	11.31	10	No

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Ultrium 4 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH4	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 4 Half Height - SAS	IBM~~~~ULTRIUM-HH4	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	No
Ultrium 5 - Fibre Channel	IBM~~~~ULTRIUM-TD5		6.1, 7.1	11.31	10, 11	10, 11
Ultrium 5 - SAS	IBM~~~~ULTRIUM-TD5	KMS, SResv, SPR, WORM	6.1	11.31	10, 11	10, 11
Ultrium 5 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH5	Append, KMS, SResv, SPR, WORM	6.1	11.31	10, 11	10, 11
Ultrium 5 Half Height - SAS	IBM~~~~ULTRIUM-HH5	KMS, SResv, SPR, WORM	6.1	11.31	10, 11	10, 11
Ultrium 6 - Fibre Channel	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 6 - SAS	IBM~~~~ULTRIUM-TD6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10
Ultrium 6 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 6 Half Height - SAS	IBM~~~~ULTRIUM-HH6	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 7 - Fibre Channel	IBM~~~~ULTRIUM-TD7	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 7 - SAS	IBM~~~~ULTRIUM-TD7		No	No	10, 11	10, 11
Ultrium 7 Half Height - Fibre Channel	IBM~~~~ULTRIUM-HH7	KMS, SResv, SPR, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 7 Half Height - SAS	IBM~~~~ULTRIUM-HH7	KMS, WORM	6.1, 7.1	11.31	10, 11	10, 11
Ultrium 8 - Fibre Channel	IBM~~~~ULTRIUM-TD8	KMS, SResv, SPR, WORM	7.1	No	11	11
Ultrium 8 Half Height - SAS	IBM~~~~ULTRIUM-HH8	KMS, WORM	6.1, 7.1	No	11	No

1. 4Gb Fibre Channel supported.

2. 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 6.0.2.8 driver tested on HP-UX 11.31 IA64 **and is the minimum driver version supported**. 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 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
StorageTek T9840D - Fibre Channel	STK~~~~T9840D	SResv, SPR, WORM	Enterprise Edition	No	5, 6, 7	5	10, 11, 12
StorageTek T10000B - Fibre Channel	STK~~~~T10000B	SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12
StorageTek T10000C - Fibre Channel [1]	STK~~~~T10000C	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12
StorageTek T10000D - Fibre Channel [1]	STK~~~~T10000D	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	No	10, 11, 12
VDrive - Fibre Channel	"STK~~~~VDRIVE	SResv	Enterprise Edition	Datacenter	7	No	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 IA64	Solaris on SPARC	Solaris on x86-64
StorageTek T9840D - Fibre Channel	STK^T9840D		6.1	11.31	10, 11	10, 11
StorageTek T10000B - Fibre Channel	STK^T10000B		6.1, 7.1	11.31	10, 11	10, 11
StorageTek T10000C - Fibre Channel [1]	STK^T10000C	KMS, SPR	6.1, 7.1	11.31	10, 11	10, 11
StorageTek T10000D - Fibre Channel [1]	STK^T10000D	KMS, SResv, SPR	6.1, 7.1	11.31	10, 11	10, 11
VDrive - Fibre Channel	"STK^VDRIVE	SResv	No	No	10, 11	No

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 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	No	5, 6, 7	10, 11, 12
DLT-S4 - SCSI	QUANTUM^DLT-S4	WORM	Enterprise Edition	No	5, 6	10, 11
DLT-V4 - SCSI (Retiring soon)	QUANTUM^DLT-V4		Enterprise Edition	No	5, 6	10, 11
DLT VS160 - SCSI (Retiring soon)	QUANTUM^DLT^VS160		Enterprise Edition	No	5, 6	10, 11
LTO-2 - SCSI (Retiring soon)	CERTANCEULTRIUM^2		Enterprise Edition	No	5, 6	10, 11
LTO-2 HH - SCSI (Retiring soon)	CERTANCEULTRIUM^2		Enterprise Edition	No	5, 6	No
LTO-3 - SCSI	CERTANCEULTRIUM^3		Enterprise Edition	No	5, 6	10, 11
LTO-3 HH - Fibre Channel	QUANTUM^ULTRIUM^3		Enterprise Edition	No	5, 6	No
LTO-3 HH - SAS	QUANTUM^ULTRIUM^3		Enterprise Edition	No	5, 6	10, 11

Quantum - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
LTO-3 HH - SCSI	QUANTUM^ULTRIUM^3		Enterprise Edition	No	5, 6	10, 11
LTO-4 HH - SAS	QUANTUM^ULTRIUM^4	KMS, WORM	Enterprise Edition	Datacenter	No	10, 11
LTO-5 FH - SAS	QUANTUM^ULTRIUM^5	KMS, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
LTO-5 HH - SAS	QUANTUM^ULTRIUM^5	KMS, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
LTO-6 HH - SAS	QUANTUM^ULTRIUM^6	KMS, WORM	Enterprise Edition	Datacenter	5, 6, 7	10, 11, 12
SDLT 320 - SCSI	QUANTUM^SDLT320		Enterprise Edition	No	5, 6	10, 11
SDLT 600 - Fibre Channel	QUANTUM^SDLT600	SPR	No	No	5, 6	10, 11
SDLT 600 - SCSI	QUANTUM^SDLT600		Enterprise Edition	No	5, 6	10, 11
Ultrium 4 HH - SAS	QUANTUM^ULTRIUM-HH4	KMS, SPR, WORM	Enterprise Edition	Datacenter	No	No
Ultrium 5 HH - SAS	QUANTUM^ULTRIUM-HH5	KMS, SPR, WORM	Enterprise Edition	Datacenter	No	No
Ultrium 6 HH - SAS	QUANTUM^ULTRIUM-HH6	KMS, SPR, WORM	Enterprise Edition	Datacenter	No	No
Ultrium 7 HH - SAS	QUANTUM^ULTRIUM-HH7	KMS, WORM	Enterprise Edition	Datacenter	No	No
Ultrium 8 HH - SAS	QUANTUM^ULTRIUM-HH8	KMS, WORM	No	Datacenter	6, 7	11, 12

Quantum - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DLT-S4 - Fibre Channel	QUANTUM^DLT-S4	SPR, WORM	6.1	11.31 [1]	10	10 [2]
DLT-S4 - SCSI	QUANTUM^DLT-S4	WORM	6.1	No	10	10
DLT-V4 - SCSI (Retiring soon)	QUANTUM^DLT-V4		6.1	No	10	10
DLT VS160 - SCSI (Retiring soon)	QUANTUM^DLT^VS160		6.1	No	10	10
LTO-2 - SCSI (Retiring soon)	CERTANCEULTRIUM^2		6.1	11.31	10	10
LTO-2 HH - SCSI (Retiring soon)	CERTANCEULTRIUM^2		6.1	No	10	10

Quantum - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
LTO-3 - SCSI	CERTANCEULTRIUM^3		6.1	11.31	10	10
LTO-3 HH - Fibre Channel	QUANTUM^ULTRIUM^3		No	No	10	No
LTO-3 HH - SCSI	QUANTUM^ULTRIUM^3		6.1	11.31	10	10
LTO-5 FH - SAS	QUANTUM^ULTRIUM^5	SPR, WORM	No	No	10, 11	10, 11
LTO-5 HH - SAS	QUANTUM^ULTRIUM^5	SPR, WORM	No	No	10, 11	10, 11
LTO-6 HH - SAS	QUANTUM^ULTRIUM^6	KMS, WORM	No	11.31	10, 11	10, 11
SDLT 320 - SCSI	QUANTUM^SDLT320		6.1	11.31	10	10
SDLT 600 - Fibre Channel	QUANTUM^SDLT600	SPR	No	11.31	No	10
SDLT 600 - SCSI	QUANTUM^SDLT600		6.1	11.31	10	10
Ultrium 8 HH - SAS	QUANTUM^ULTRIUM-HH8	KMS, WORM	6.1, 7.1	11.31	10, 11	10, 11

1. Fibre Channel resume logic is not supported on HP-UX.
2. Fibre Channel resume logic is not supported on Solaris x64.

Sun

Sun - Support with NetBackup Appliance

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

Sun - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
StorageTek T9840C - Fibre Channel (Retiring soon)	STK^T9840C	SResv, SPR, WORM	Enterprise Edition	No	5, 6, 7	No	10, 11, 12
StorageTek T9840D - Fibre Channel (Retiring soon)	STK^T9840D	SResv, SPR, WORM	Enterprise Edition	No	5, 6, 7	5	10, 11, 12
StorageTek T10000A - Fibre Channel (Retiring soon)	STK^T10000A		Enterprise Edition	No	5, 6	No	10, 11
StorageTek T10000A 4GB - Fibre Channel (Retiring soon)	STK^T10000A	SResv, SPR, WORM	Enterprise Edition	No	5, 6, 7	5	10, 11, 12
StorageTek T10000B - Fibre Channel (Retiring soon)	STK^T10000B	SResv, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	5	10, 11, 12
StorEdge LTO1 - SCSI (Retiring soon)	HP^Ultrium^1-SCSI		Enterprise Edition	No	5, 6	No	10, 11

Sun - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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
StorEdge LTO2 - SCSI (Retiring soon)	HP^Ultrium^2-SCSI		Enterprise Edition	No	5, 6	No	10, 11
StorEdge LTO3 - Fibre Channel (Retiring soon)	HP^Ultrium^3-SCSI	WORM	Enterprise Edition	No	5, 6	No	10, 11
StorEdge LTO3 - SCSI (Retiring soon)	HP^Ultrium^3-SCSI	WORM	Enterprise Edition	No	5, 6	No	10, 11
StorEdge SDLT 320 - SCSI (Retiring soon)	QUANTUM^SDLT320		Enterprise Edition	No	5, 6	No	10, 11

Sun - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
StorageTek T9840C - Fibre Channel (Retiring soon)	STK^T9840C		6.1	11.31	10	10
StorageTek T9840D - Fibre Channel (Retiring soon)	STK^T9840D		6.1	11.31	10	10
StorageTek T10000A - Fibre Channel (Retiring soon)	STK^T10000A		6.1	11.31	10	10
StorageTek T10000A 4GB - Fibre Channel (Retiring soon)	STK^T10000A		6.1	11.31	10	10
StorageTek T10000B - Fibre Channel (Retiring soon)	STK^T10000B		6.1	11.31	10	10
StorEdge LTO1 - SCSI (Retiring soon)	HP^Ultrium^1-SCSI		6.1	11.31	10	10
StorEdge LTO2 - SCSI (Retiring soon)	HP^Ultrium^2-SCSI		6.1	11.31	10	10
StorEdge LTO3 - Fibre Channel (Retiring soon)	HP^Ultrium^3-SCSI	WORM	6.1	11.31	10	10
StorEdge LTO3 - SCSI (Retiring soon)	HP^Ultrium^3-SCSI	WORM	6.1	11.31	10	10
StorEdge SDLT 320 - SCSI (Retiring soon)	QUANTUM^SDLT320		6.1	No	10	10

Tandberg

Tandberg - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	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	5, 6	No
HH LTO 4 - SAS	TANDBERGLTO-4^HH		Enterprise Edition	5, 6, 7	10, 11, 12
HH LTO 5 - SAS	TANDBERGLTO-5^HH	KMS, SPR, WORM	Enterprise Edition	5, 6, 7	10, 11, 12
HH LTO 6 - SAS	TANDBERGLTO-6^HH	KMS, WORM	No	5, 6, 7	10, 11, 12
SDLT 320 - SCSI	TANDBERGSDLT320		No	5, 6	No

Tandberg - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	Solaris on SPARC	Solaris on x86-64
HH LTO 5 - SAS	TANDBERGLTO-5^HH	KMS, SPR, WORM	No	10	10
SDLT 320 - SCSI	TANDBERGSDLT320		6.1	10	No

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 7.7 - 7.7.x Operating System Software Compatibility List"](https://www.veritas.com/docs/100015485) <<https://www.veritas.com/docs/100015485>> .

For NetBackup for NDMP vendor-specific configuration information, refer to ["NetBackup for NDMP: NAS appliance information"](https://www.veritas.com/docs/100016340) <<https://www.veritas.com/docs/100016340>> .

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 7.7 and later.

64-bit inode numbers are supported with NetBackup 7.7 and 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 ["NetBackup for NDMP Administrator's Guide"](http://www.veritas.com/docs/000003214) <<http://www.veritas.com/docs/000003214>> .

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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

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

Dell 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 Dell EMC's device support matrices. TYPE=tar backups are not recommended with this device. For more information, see <http://www.veritas.com/docs/000095049> .
Compellent FS8600	FluidFS 4.0, FluidFS 5.0, FluidFS 6.0	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	
Unity series	Unity Operating Environment 4.1, Unity Operating Environment 4.2, Unity Operating Environment 4.4	Direct-attach, Remote, 3-way	Yes	Yes	Yes	Direct-attach support requires Unity Operating Environment version 4.4.1.1538211294 or later. For a list of compatible tape drives and libraries, see Dell EMC's device support matrices. SCSI reservations must be enabled manually. For details, see NetBackup for NDMP: NAS appliance information <https://www.veritas.com/docs/100016340> . SSO support requires Unity Operating Environment version 4.4.1.1538211294 or later.

Dell EMC

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
VNX2 series	VNX File 8.1	Direct-attach, Remote, 3-way	Yes	Yes	Yes	<p>"Incremental forever" backups are supported with this device via the "LEVEL=10" environment variable. For more information on environment variables, see the device vendor's documentation.</p> <p>All models in the Dell EMC VNX2 Series are supported (VNX5200, VNX5400, VNX5600, VNX5800, VNX7600, VNX8000).</p> <p>For a list of compatible tape drives and libraries, see Dell EMC's device support matrices.</p> <p>TYPE=tar backups are not recommended with this device. For more information, see VNX><http://www.veritas.com/docs/000095049.</p> <p>VNX> File 8.1 software requires hotfix 8.1.2.510.</p>
VNX2e series	VNXe Operating Environment v3.1	Remote, 3-way	Yes	Yes	Yes	<p>All models in the Dell EMC VNX2e Series are supported (VNXe3200).</p> <p>For a list of compatible tape drives and libraries, see Dell 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>
VNXe series	VNXe Operating Environment v2.0	Remote, 3-way	Yes	Yes	Yes	<p>All models in the Dell EMC VNXe Series are supported (VNXe3100, VNXe3150, VNXe3300).</p> <p>For a list of compatible tape drives and libraries, see Dell 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>

Dell 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>"Incremental forever" backups are supported with this device via the "LEVEL=10" environment variable. For more information on environment variables, see the device vendor's documentation.</p> <p>All models in the Dell EMC VNX Series are supported (VNX5100, VNX5300, VNX5500, VNX5700, VNX7500).</p> <p>For a list of compatible tape drives and libraries, see Dell 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>

Dell EMC 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	<p>All models in the Appliance Series are supported.</p> <p>Configure as NDMP Tape Server.</p>

Dell EMC 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, OneFS 8.1	Direct-attach, Remote, 3-way	Yes	Yes	Yes	<p>"Incremental forever" backups are supported with this device via the "LEVEL=10" environment variable. For more information on environment variables, see the device vendor's documentation.</p> <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>The Dell 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>

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
Data Ingestor (HDI)	FOS 3.2, FOS 4.0, FOS 5.0, FOS 6.0, FOS 6.1, FOS 6.4	Direct-attach, Remote, 3-way	Yes	Yes	Yes	FOS 6.1 and earlier versions do not support the NetBackup Shared Storage Option.
NAS Platform (HNAS)	Hitachi NAS OS 11, Hitachi NAS OS 12, Hitachi NAS OS 13	Direct-attach, Remote, 3-way	Yes	Yes	Yes	<p>"Incremental forever" backups are supported with this device via the "LEVEL=i" environment variable. For more information on environment variables, see the device vendor's documentation.</p> <p>SCSI reservation is not enabled by default. Please refer to Hitachi's documentation for details on enabling this setting in an SSO configuration.</p> <p>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.)</p>
Virtual File Platform (VFP)	FOS 3.2, FOS 4.0, FOS 5.0, FOS 6.0, FOS 6.1, FOS 6.4	Direct-attach, Remote, 3-way	Yes	Yes	Yes	FOS 6.1 and earlier versions do not support the NetBackup Shared Storage Option.

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, IBM OS 1.5	Remote, 3-way	Yes	Yes	No	

IBM

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
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	<p>"Incremental forever" backups are supported with this device via the "LEVEL=99" environment variable. For more information on environment variables, see the device vendor's documentation.</p> <p>Data ONTAP version 8.x (7-mode) supports MultiStore (vFiler) with Remote NDMP and 3-way NDMP connection methods.</p> <p>Data ONTAP version 8.x (7-mode) supports NetBackup Advanced Client NAS Snapshot.</p>

Imation

Device	Software	Connection Method	Direct Access Restore	Directory Direct Access Restore	NetBackup Shared Storage Option	Notes
Nexsan NST2000	NestOS 3.1, NestOS 3.2, Unity 2.0	Remote, 3-way	Yes	Yes	No	Unity 2.0 software requires version 2.0.4 or later.
Nexsan NST4000	NestOS 3.1, NestOS 3.2, Unity 2.0	Remote, 3-way	Yes	Yes	No	Unity 2.0 software requires version 2.0.4 or later.
Nexsan NST5000	NestOS 2.1, NestOS 2.2, NestOS 3.1, NestOS 3.2, Unity 2.0	Remote, 3-way	Yes	Yes	No	Unity 2.0 software requires version 2.0.4 or later.
Nexsan NST6000	NestOS 3.1, NestOS 3.2, Unity 2.0	Remote, 3-way	Yes	Yes	No	Unity 2.0 software requires version 2.0.4 or later.

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, FOS 5.0	Direct-attach, Remote, 3-way	Yes	Yes	No	
NH4b	FOS 5.0, FOS 6.0, FOS 6.1	Direct-attach, Remote, 3-way	Yes	Yes	No	
NH4c	FOS 4.0, FOS 5.0	Direct-attach, Remote, 3-way	Yes	Yes	No	
NH8a	FOS 4.0, FOS 5.0	Direct-attach, Remote, 3-way	Yes	Yes	No	
NH8b	FOS 5.0, FOS 6.0, FOS 6.1	Direct-attach, Remote, 3-way	Yes	Yes	No	
NH8c	FOS 5.0, FOS 6.0, FOS 6.1	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, Data ONTAP v9.1, Data ONTAP v9.2, Data ONTAP v9.3, Data ONTAP v9.4, Data ONTAP v9.5	Direct-attach, Remote, 3-way	Yes	Yes	Yes	<p>"Incremental forever" backups are supported with this device via the "LEVEL=99" environment variable. For more information on environment variables, see the device vendor's documentation.</p> <p>Cluster Aware Backup (CAB) is supported in NetApp Clustered Data ONTAP (cDOT) environments. For more information, see the NDMP Administrator's Guide.</p> <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>Supported with Accelerator with NDMP.</p> <p>Supports wildcard characters for backup selections lower than the volume level with all listed Data ONTAP versions except v8.0 through v8.2 (Cluster-mode).</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, NexentaStor 5.1	Direct-attach, Remote, 3-way	Yes	Yes	Yes	NexentaStor 4.0.3 software requires fix pack 3 or later.

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	
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, ZS4-x, and ZS5-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	

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 7.7 - 7.7.x Operating System Software Compatibility List"](https://www.veritas.com/docs/100015485) <<https://www.veritas.com/docs/100015485>> .

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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 EMC	PowerVault LTO4-120	
Dell EMC	PowerVault LTO5-140	
Dell EMC	PowerVault LTO-6	
Dell EMC	PowerVault LTO-6 HH	
Dell EMC	PowerVault LTO-7	
Dell EMC	PowerVault LTO-7 HH	
Hewlett Packard Enterprise	Ultrium 1760 LTO4	

NetBackup KMS - Supported Devices

Manufacturer	Model	Notes
Hewlett Packard Enterprise	Ultrium 1840 LTO4	
Hewlett Packard Enterprise	Ultrium 3000 LTO5	
Hewlett Packard Enterprise	Ultrium 3280 LTO5	
Hewlett Packard Enterprise	Ultrium 6250 LTO6	
Hewlett Packard Enterprise	Ultrium 6650 LTO6	
Hewlett Packard Enterprise	Ultrium 15000 LTO7	
Hewlett Packard Enterprise	Ultrium 15750 LTO7	
Hewlett Packard Enterprise	Ultrium 30750 LTO8	
IBM	System Storage TS1040 Ultrium 4	Requires firmware version 7BG2 or later.
IBM	System Storage TS1050 Ultrium 5	
IBM	System Storage TS1060 Ultrium 6	
IBM	System Storage TS1070 Ultrium 7	
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 TS1155 (3592 Model 55F)	
IBM	System Storage TS2240 Ultrium 4 Half Height	
IBM	System Storage TS2250 Ultrium 5 Half Height	
IBM	System Storage TS2260 Ultrium 6 Half Height	
IBM	System Storage TS2270 Ultrium 7 Half Height	
IBM	System Storage TS2280 Ultrium 8 Half Height	
IBM	System Storage TS2340 Ultrium 4	Requires firmware version 7BG2 or later.
IBM	System Storage TS2350 Ultrium 5	
IBM	System Storage TS2360 Ultrium 6	
IBM	System Storage TS2370 Ultrium 7	

NetBackup KMS - Supported Devices

Manufacturer	Model	Notes
IBM	System Storage TS2380 Ultrium 8	
IBM	Ultrium 4 (OEM)	Requires firmware version 7BG2 or later.
IBM	Ultrium 4 Half Height (OEM)	
IBM	Ultrium 5 (OEM)	
IBM	Ultrium 5 Half Height (OEM)	
IBM	Ultrium 6 (OEM)	
IBM	Ultrium 6 Half Height (OEM)	
IBM	Ultrium 7 (OEM)	
IBM	Ultrium 7 Half Height (OEM)	
IBM	Ultrium 8 (OEM)	
IBM	Ultrium 8 Half Height (OEM)	
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	
Quantum	LTO-5 HH	
Quantum	LTO-6 HH	
Quantum	LTO-7 HH	
Quantum	LTO-8 HH	
Tandberg	HH LTO 5	

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 7.7 - 7.7.x Operating System Software Compatibility List"](https://www.veritas.com/docs/100015485) <<https://www.veritas.com/docs/100015485>> . 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 EMC	PowerVault LTO5-140 FH	Fibre Channel	
Dell EMC	PV110T LTO2, PV110T 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	
Hewlett Packard Enterprise	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 TS2230 Ultrium 3 Half Height, System Storage TS2340 Ultrium 4, TotalStorage 3580 Ultrium 2, TotalStorage 3580 Ultrium 3, TotalStorage 3590E Series, TotalStorage 3590H Series, Ultrium 2 (OEM), Ultrium 3 (OEM), Ultrium 4 (OEM)	SCSI	
Oracle	T10000D	Fibre Channel	For maximum blocksize considerations with these drives, refer to the "Managing Tape Blocks" section of the "NetBackup Media Server Encryption Option (MSEO) Admin Guide" < http://www.veritas.com/docs/000004003 > .
Quantum	LTO-3 HH, SDLT 600	Fibre Channel	
Quantum	LTO-2, LTO-2 HH, LTO-3, LTO-3 HH, SDLT 320, SDLT 600	SCSI	
Sun	StorEdge LTO3	Fibre Channel	

NetBackup MSEO - Supported Devices

Manufacturer	Models	Interface	Notes
Sun	LTO3 HH, StorEdge LTO2, StorEdge LTO3, StorEdge SDLT 320	SCSI	
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

Contents

<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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Fibre Transport Media Server -
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.
Operating system support dropped	1. SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and 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 7.7.x 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 7.7.x Release Supported	Notes
NetBackup 5200 and 5300 Series Appliance	2.7.1, 2.7.2, 2.7.3	7.7.1	Supported with 8 Gb HBAs in NetBackup 5220, 5230, 5240, 5330, and 5340 Appliances.
Oracle Solaris 10 on SPARC	GA or later	7.7 GA	
Red Hat Enterprise Linux 5 on x86-64	GA, Update 2, Update 3, Update 4, Update 5, Update 6, Update 7	7.7 GA	
Red Hat Enterprise Linux 6 on x86-64	GA, Update 1, Update 3, Update 5, Update 6, Update 7, Update 8	7.7 GA	
Red Hat Enterprise Linux 6 on x86-64	Update 9	7.7.3	
Red Hat Enterprise Linux 7 on x86-64	GA, Update 1, Update 2	7.7.3	
Red Hat Enterprise Linux 7 on x86-64	Update 3, Update 4	7.7.3 with the EEB associated with ET3901099	
SUSE Linux Enterprise Server 10 on x86-64	SP2, SP3, SP4	7.7 GA	Not supported as a media server with NetBackup 7.7.1 and later.
SUSE Linux Enterprise Server 11 on x86-64	SP3	7.7 GA	
SUSE Linux Enterprise Server 12 on x86-64	GA	7.7.3	

Fibre Transport Media Server - Vendor Compatibility

Contents

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

Dell EMC

Dell EMC - Support with Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
F641C	PCle	5, 6, 7	10, 11, 12
H144C [1]	PCle	5, 6, 7	10, 11, 12
QLE2560-E	PCle	5, 6, 7	10, 11, 12
QLE2562-E [1]	PCle	5, 6, 7	10, 11, 12
QME2472	PCle	5	10

1. 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]	PCIe	5, 6, 7	10, 11, 12
AK344A	PCIe	5, 6, 7	10, 11, 12
FC1142SR	PCIe	5	10
FC1143	PCI-X	5	10
FC1242SR DC	PCIe	5	10
FC1243	PCI-X	5	10
FCA2214	PCI-X	5	10
FCA2214DC	PCI-X	5	10
QMH2462-HP-BK	PCIe	5	10
QMH2562-HP-BK	PCIe	5, 6	10, 11, 12
QMH2572-HP-SP	PCIe	5, 6	10, 11, 12

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

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	PCle	5, 6, 7	10, 11, 12
QLE2562-CK [1]	PCle	5, 6, 7	10, 11, 12

1. 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	PCIe	5, 6, 7	10, 11, 12
42D0510 [1]	PCIe	5, 6, 7	10, 11, 12

1. 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	PCle	5, 6, 7	10, 11, 12
SG-XPCiE2FC-QF8-N [1]	PCle	5, 6, 7	10, 11, 12

1. 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	PCle	10
SG-XPCiE2FC-QF8-N [1]	PCle	10

1. 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	5	10
QLE2500 series [1]	PCIe	5, 6, 7	10, 11, 12
SANblade 23xx series [2]	PCI, PCI-X, SBUS, cPCI	5	10
SANblade 24xx series	PCI-X, PCIe	5	10

1. Please see Technical Solution Article <<http://www.veritas.com/docs/000013083>>
2. Fibre Transport Media Server is only supported with the QLA2340, QLA2342, and QLA2344 members of this family.

QLogic - Support with UNIX

Device Family	Bus Type	Solaris on SPARC
QLE2400 series	PCIe	10
QLE2500 series [1]	PCIe	10
SANblade 23xx series [2]	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>>
2. 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	5	10
SG-XPCI1FC-QL2	PCI-X	5	10
SG-XPCI2FC-QF2 (X6768A)	PCI-X	5	10
SG-XPCI2FC-QF4	PCI-X	5	10
SG-XPCIE1FC-QF4	PCle	5	10
SG-XPCIE2FC-QF4	PCle	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.

Contents

QStar HSM

QStar HSM

NetBackup 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	Red Hat Enterprise Linux on x86-64	Solaris on SPARC	Solaris on x86-64
QStar HSM	5	10	10

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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[HBAs](#)

[Bridges/Routers](#)

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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 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</p> <ol style="list-style-type: none"> 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. 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. Where support is shown for "Red Hat Enterprise Linux 5 on x86-64" it also means that CentOS 5 and Oracle Linux 5 are supported. 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. Where support is shown for "Red Hat Enterprise Linux 7 on x86-64" it also means that CentOS 7 and Oracle Linux 7 are supported. 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"> Consult the hardware vendor's web site for current firmware and driver updates (where applicable).
Configuration considerations	<ol style="list-style-type: none"> 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"> AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and later.

Infrastructure - CNAs Used In Testing

Contents

<u>Emulex</u>	<u>Hewlett Packard Enterprise</u>	<u>QLogic</u>
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Emulex

Emulex - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2008 x64
LPe16202 (FCoE)	PCIe	Enterprise Edition
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 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
554FLR	PCIe	No	Datacenter	No	No
CN1100E	PCIe	Enterprise Edition	No	5	11

QLogic

QLogic - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2008 x64
QLE8100 series (FCoE)	PCIe	Enterprise Edition
QLE8200 series (FCoE)	PCIe	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 7.7 - 7.7.x Operating System Software Compatibility List" <https://www.veritas.com/docs/100015485> .</p> <ol style="list-style-type: none"> 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. 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. Where support is shown for "Red Hat Enterprise Linux 5 on x86-64" it also means that CentOS 5 and Oracle Linux 5 are supported. 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. Where support is shown for "Red Hat Enterprise Linux 7 on x86-64" it also means that CentOS 7 and Oracle Linux 7 are supported. 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"> All like HBAs within a SAN should use the same firmware, BIOS and driver revision as recommended by HBA vendors. 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"> AIX 7.2 is supported as a media server with NetBackup 7.7.2 and later.
Operating system support dropped	<ol style="list-style-type: none"> SUSE Linux Enterprise Server 10 is not supported as a media server with NetBackup 7.7.1 and later.

Infrastructure - HBAs Used In Testing

Contents

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

ATTO

ATTO - Support with Windows / Linux

Device Family	Bus Type	Red Hat Enterprise Linux on x86-64
FC-21PS	PCI	5
FC-22XH	PCI-X	5

Brocade

Brocade - Support with Windows / Linux

Device Family	Bus Type	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	No	No
415	PCIe	Enterprise Edition	No	No	No
425	PCIe	Enterprise Edition	Datacenter	No	No
815	PCIe	No	No	6	No
825	PCIe	Enterprise Edition	Datacenter	5, 6, 7	10, 11
1860 (FC)	PCIe	No	No	7	12

Cambex

Cambex - Support with UNIX

Device Family	Bus Type	AIX on POWER
PC1000	PCI	6.1

Emulex

Emulex - Support with Windows / Linux

Device Family	Bus Type	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	No	5	10, 11
LP90xx / 94xx / 95x series (Centaur ASIC)	PCI, PCI-X, SBUS, cPCI	Enterprise Edition	No	5, 6	10
LP98xx / 98x series (Pegasus ASIC)	PCI, PCI-X	Enterprise Edition	Datacenter	5, 6	10, 11
LP1100x / 1150 series (Helios ASIC)	PCI-X	Enterprise Edition	No	5, 6	10
LPe11xxx / 115x series (Zephyr ASIC)	PCIe	Enterprise Edition	No	5, 6	10
LPe12xxx / 125x series (Saturn ASIC)	PCIe	Enterprise Edition	Datacenter	5	12
LPe16xxx / 15xxx series (Lancer ASIC)	PCIe	Enterprise Edition	Datacenter	6, 7	12
SN1100E2P	PCIe	No	No	7	No

Emulex - Support with UNIX

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

Emulex - Support with UNIX

Device Family	Bus Type	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
LPe11xxx / 115x series (Zephyr ASIC)	PCIe	No	No	10, 11	10
LPe12xxx / 125x series (Saturn ASIC)	PCIe	No	No	No	10
LPe16xxx / 15xxx series (Lancer ASIC)	PCIe	No	No	No	11

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 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	5	10
82B	PCIe	Enterprise Edition	No	No	10, 11
82E	PCIe	Enterprise Edition	No	6	11
451871-B21	PCIe	No	No	5	10
A7388A	PCI-X	Enterprise Edition	No	No	No
AB379A	PCI-X	No	No	5	10
AH403A	PCIe	No	No	No	12
AJ763A	PCIe	No	Datacenter	No	No
AJ764A	PCIe	Enterprise Edition	No	5	No
FC1243	PCI-X	Enterprise Edition	No	No	No
FC2243 DC	PCI-X	Enterprise Edition	No	No	No
FCA2214DC	PCI-X	No	No	5	10
SN1000Q / SN1100Q series	PCIe	No	No	6	No

Hewlett Packard Enterprise - Support with UNIX

Device Family	Bus Type	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
A6795A	PCI	11.31	No	No
A9784-60002	PCI-X	11.31	No	No
AD355-60001	PCle	11.31	No	No
AD355A	PCI, PCI-X, PCle	11.31	No	No
AH400A		No	10	No
AH401	PCle	No	10	No
AH402A		No	10	No
AH403A	PCle	11.31	No	No
AJ763A	PCle	11.31	No	No
FC1242SR DC	PCle	No	No	10

Hewlett Packard Enterprise - Family Membership

Device Family	Members
SN1000Q / SN1100Q series	SN1000Q, SN1100Q

Hitachi

Hitachi - Support with Windows / Linux

Device Family	Bus Type	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	5	10
HFCE080x series	PCIe	Enterprise Edition	5	No

Hitachi - Support with UNIX

Device Family	Bus Type	AIX on POWER
HFC040x series	PCI-X, PCIe	6.1
HFCE080x series	PCIe	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	6.1
5716	PCI-X	6.1, 7.1
5735	PCle	7.1, 7.2
5759	PCI-X	6.1, 7.1
5774	PCle	6.1
6227	PCI	6.1
6228	PCI	6.1
6239	PCI-X	6.1
FC 5273	PCle	7.1

JNI

JNI - Support with UNIX

Device Family	Bus Type	Solaris on SPARC
FCE-6460	PCI	10

LSI Logic

LSI Logic - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
LSI7102XP-LC	PCI-X	Enterprise Edition	No	No
LSI7202XP-LC	PCI-X	Enterprise Edition	No	10
LSI7402XP-LC	PCI-X	Enterprise Edition	No	10
LSI40919	PCI	No	5	No

LSI Logic - Support with UNIX

Device Family	Bus Type	Solaris on SPARC
LSI7104XP-LC	PCI-X	10
LSI7202XP-LC	PCI-X	10
LSI7402XP-LC	PCI-X	10

QLogic

QLogic - Support with Windows / Linux

Device Family	Bus Type	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	No	No	5	No
QLA235x series	PCI-X	No	No	5	No
QLE236x series	PCIe	Enterprise Edition	No	5, 6	10
QLE2400 series	PCIe	Enterprise Edition	Datacenter	5	10, 11
QLE2500 series	PCIe	Enterprise Edition	Datacenter	5, 6, 7	10, 11
QLE2600 series	PCIe	Enterprise Edition	Datacenter	7	No
QLE2670 series	PCIe	Enterprise Edition	Datacenter	6, 7	11
QLE2700 series	PCIe	No	No	No	12
QLE8300 series (FC)	PCIe	No	No	6	No
QLE10000 series	PCIe	No	No	6	No
SANblade 23xx series	PCI, PCI-X, SBUS, cPCI	Enterprise Edition	No	5, 6	10
SANblade 24xx series	PCI-X, PCIe	Enterprise Edition	Datacenter	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	QLE2660, QLE2662
QLE2670 series	QLE2670, QLE2672
QLE2700 series	QLE2740, QLE2742, QLE2764
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 EMC	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
Dell 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

Retiring Soon

The devices in this section will not be listed in the Hardware Compatibility List for the next major NetBackup release after NetBackup 7.7 - 7.7.x. Many of these devices are end-of-life products that are no longer supported by the manufacturer.

Virtual Tape Libraries

Manufacturer	Device
Dell EMC	Disk Library Series
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
Hewlett Packard Enterprise	ESL E-Series 286e, ESL E-Series 630e, MSL5026DLX, MSL5026S2, MSL5026SL, MSL5030L1, MSL5052S2, MSL5052SL, MSL5060L1, MSL6000 Series, MSL6030L2, MSL6060L2, SSL1016, SSL1016L2, SSL1016S2
IBM	TotalStorage 3494
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

Tape Drives

Manufacturer	Device
Hewlett Packard Enterprise	DLT VS160, SDLT600, Ultrium 215 LTO1, Ultrium 230 LTO1, Ultrium 448 LTO2, Ultrium 460 LTO2, Ultrium 960 LTO3
IBM	TotalStorage 3580 Ultrium 1, TotalStorage 3580 Ultrium 2, TotalStorage 3590B Series, TotalStorage 3590E Series, TotalStorage 3590H Series, TotalStorage 3592 Model J1A, Ultrium 1, Ultrium 2
Quantum	DLT VS160, DLT-V4, LTO-2, LTO-2 HH
Sun	StorageTek T10000A, StorageTek T10000A 4GB, StorageTek T10000B, StorageTek T9840C, StorageTek T9840D, StorEdge LTO1, StorEdge LTO2, StorEdge LTO3, StorEdge SDLT 320