Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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<https://download.veritas.com/resources/content/live/OSVC/100046000/100046445/en_US/nbu_80_hcl.html>

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 8.0 - 8.1.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 , snapshot solutions , Veritas OpenStorage Cloud solutions and Storage Servers 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>

NOTE: Support for Huawei solutions shown in this HCL is based on testing done prior to May 2019.

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>

Contents

<table>
<tr><td>NetBackup Compatibility Lists</td><td>Configuration Files</td><td>NetBackup in the Cloud</td></tr>
<tr><td>NetBackup Appliances</td><td>Snapshot Solutions</td><td>Cloud Storage Solutions</td></tr>
<tr><td>OST Storage Servers</td><td>Virtual Tape Libraries</td><td>Tape Libraries</td></tr>
<tr><td>Tape Drives</td><td>NDMP Devices</td><td>Descriptions of Disk Storage Unit Types</td></tr>
<tr><td>Encryption and Security Solutions</td><td>Fibre Transport Media Server HBAs</td><td>Infrastructure Used for Testing</td></tr>
<tr><td>Retiring Soon</td><td></td><td></td></tr>
</table>

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, 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> to your bookmarks for quick links to the documents listed below, compatibility lists for earlier NetBackup versions, and much more.

Veritas NetBackup ™ 8.0 - 8.x.x Compatibility Lists

Compatibility List Name	URL
NetBackup Enterprise Server and Server 8.2 - 8.x.x Hardware and Cloud Storage Compatibility List (Contains hardware and cloud compatibility info for NetBackup 8.2 and later)	<https://www.veritas.com/content/support/en_US/doc/NB_82_HCL>
NetBackup Enterprise Server and Server 8.0 - 8.x.x OS Software Compatibility List (Contains compatibility info for Client, Server, Cluster, NOM, NDMP, BMR, SAN Client, MSEO)	<https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL>
NetBackup 8.0 - 8.x.x Database and Application Agent Compatibility List	<https://www.veritas.com/content/support/en_US/doc/NB_80_DBSCL>
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>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Configuration Files

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

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 vendors for Veritas NetBackup" <https://www.veritas.com/content/support/en_US/doc/58500769-130532418-0/v95640454-130532418> .

Cloud Configuration File Packages

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.8.2	Media Server: 8.0 or later	Media Server: <https://www.veritas.com/content/support/en_US/downloads/update.UPD97806.html>	Added support: - IBM (S3) - AP Australia region - IBM (S3) - AP Tokyo region - Corrected entry for XSKY Enterprise Object Storage (S3) - Corrected region name: IBM (S3) - AP United Kingdom - Removed decomissioned region: IBM (S3) - AUS Melbourne Added earlier support not included in NetBackup 9.0 release: - Google (S3) - US-West3 (Salt Lake City) region - Google (S3) - US-West4 (Las Vegas) region
2.8.1	Media Server: 8.0 or later	Media Server: Use the most recent version above.	- Dell EMC Isilon PowerScale (S3) - XSKY Enterprise Object Storage (S3) Added earlier support not included in NetBackup 9.0 release: - Tencent Cloud - Cloud Object Storage (COS) (S3)
2.7.3	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Tencent Cloud - Cloud Object Storage (COS) (S3)

Cloud Configuration File Packages

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.7.2	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Google (S3) - US-West3 (Salt Lake City) region - Google (S3) - US-West4 (Las Vegas) region
2.7.1	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added earlier support not included in NetBackup 8.3 release: - Amazon (S3) - Africa (Cape Town) region - Amazon (S3) - Asia Pacific (Hong Kong) region - Amazon (S3) - Europe (Milan) region - Amazon (S3) - Europe (Stockholm) region - Amazon (S3) - Middle East (Bahrain) region - Google (S3) - Asia-East 2 region - Google (S3) - Asia-Northeast 2 region - Google (S3) - Asia-South1 region - Google (S3) - EU-North1 region - Google (S3) - EU-West4 region - Google (S3) - EU-West 6 region - Google (S3) - NorthAmerica-Northeast1 region - Google (S3) - SouthAmerica-East1 region - Google (S3) - US-West2 region - Hitachi Vantara Cloud Scale (S3) - Nutanix Buckets (S3) - Orange Business Systems Flexible Engine OBS (S3) - SandStone MOS (S3) - SwiftStack Object Storage (S3) buffer size changes
2.6.4	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Amazon (S3) - Africa (Cape Town) region - Amazon (S3) - Europe (Milan) region - Amazon (S3) - Europe (Stockholm) region - Hitachi Vantara CloudScale (S3) buffer size changes
2.6.3	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Hitachi Vantara CloudScale (S3)

Cloud Configuration File Packages

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.6.2	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Amazon (S3) - Asia Pacific (Hong Kong) region - Amazon (S3) - Middle East (Bahrain) region - Google (S3) - Asia-East 2 region - Google (S3) - Asia-Northeast 2 region - Google (S3) - EU-West 6 region - Orange Business Systems Flexible Engine OBS (S3) - SandStone MOS (S3) - SwiftStack Object Storage (S3) buffer size changes
2.6.1	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Google (S3) - Asia-South1 region - Google (S3) - EU-North1 region - Google (S3) - EU-West4 region - Google (S3) - NorthAmerica-Northeast1 region - Google (S3) - SouthAmerica-East1 region - Google (S3) - US-West2 region Adding earlier support not included in NetBackup 8.2 release: - Nutanix Buckets (S3)
2.5.5	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Alibaba Cloud Object Storage Service (OSS) (S3) - Corrected service host endpoint - Nutanix Buckets (S3)
2.5.4	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Amazon GovCloud - Glacier Deep Archive (S3) - Amazon Glacier (S3) - Changed from Amazon zero-day lifecycle configuration to direct upload - Amazon Glacier Deep Archive (S3) - Changed from Amazon zero-day lifecycle configuration to direct upload - Amazon GovCloud - Glacier (S3) - Changed from Amazon zero-day lifecycle configuration to direct upload
2.5.3	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Amazon Glacier Deep Archive (S3)

Cloud Configuration File Packages

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.5.2 / RPM 1.0.6	NetBackup Appliance: 3.1 or later Media Server: 8.0 or later	NetBackup Appliance: <https://www.veritas.com/docs/100039718> Media Server: Use the most recent version above.	Added support: - Microsoft Azure Germany (Azure)
2.5.1 / RPM 1.0.5	NetBackup Appliance: 3.1 or later Media Server: 8.0 or later	Use the most recent version above.	Added support: - Amazon OneZone IA (S3) - Amazon (S3) - Europe (Paris) region - IronMountain IronCloud certificate change Adding earlier support not included in NetBackup 8.1.2 release: - Amazon (S3) - China (Ningxia) region - Kingsoft Standard Storage Service (KS3) - Standard (S3) - Kingsoft Standard Storage Service (KS3) - Standard IA (S3) - Veritas Cognitive Object Storage (S3)
2.4.5 / RPM 1.0.4	NetBackup Appliance: 3.1 or later Media Server: 8.0 or later	Use the most recent version above.	- Kingsoft Standard Storage Service (KS3) - Standard IA (S3) - corrected header
2.4.4 / RPM 1.0.3	NetBackup Appliance: 3.1 or later Media Server: 8.0 or later	Use the most recent version above.	- Amazon (S3) - China (Ningxia) region - Kingsoft Standard Storage Service (KS3) - Standard (S3) - Kingsoft Standard Storage Service (KS3) - Standard IA (S3) - Veritas Cognitive Object Storage (S3)
2.4.3 / RPM 1.0.2	NetBackup Appliance: 3.1 or later Media Server: 8.0 or later	Use the most recent version above.	- Huawei OceanStor 9000 (S3) - IBM Cloud Object Storage (S3) - Object size improvement - Telefonica Open Cloud (S3)

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Cloud Configuration File Packages

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.4.2	NetBackup Appliance: 3.1 or later Media Server: 8.0 or later	Use the most recent version above.	- Alibaba Cloud Object Storage Service (OSS) (S3) - added public default cloud instance - Alibaba Cloud Object Storage Service (OSS) (S3) - Asia Pacific NE 1 (Tokyo) region - Alibaba Cloud Object Storage Service (OSS) (S3) - Asia Pacific SE 1 (Singapore) region - Alibaba Cloud Object Storage Service (OSS) (S3) - Asia Pacific SE 2 (Sydney) region - Alibaba Cloud Object Storage Service (OSS) (S3) - Asia Pacific SE 3 (Kuala Lumpur) region - Alibaba Cloud Object Storage Service (OSS) (S3) - Asia Pacific SE 5 (Jakarta) region - Alibaba Cloud Object Storage Service (OSS) (S3) - Asia Pacific SOU 1 (Mumbai) region - Alibaba Cloud Object Storage Service (OSS) (S3) - China East 1 (Hangzhou) region - Alibaba Cloud Object Storage Service (OSS) (S3) - China East 2 (Shanghai) region - Alibaba Cloud Object Storage Service (OSS) (S3) - China North 1 (Qingdao) region - Alibaba Cloud Object Storage Service (OSS) (S3) - China North 2 (Beijing) region - Alibaba Cloud Object Storage Service (OSS) (S3) - China North 3 (Xhangjiakou) region - Alibaba Cloud Object Storage Service (OSS) (S3) - China North 5 (Hohhot) region - Alibaba Cloud Object Storage Service (OSS) (S3) - China South 1 (Shenzhen) region - Alibaba Cloud Object Storage Service (OSS) (S3) - Germany 1 (Frankfurt) region - Alibaba Cloud Object Storage Service (OSS) (S3) - Hong Kong region - Alibaba Cloud Object Storage Service (OSS) (S3) - Middle East 1 (Dubai) region - Alibaba Cloud Object Storage Service (OSS) (S3) - US East 1 (Virginia) region - Alibaba Cloud Object Storage Service (OSS) (S3) - US West 1 (Silicon Valley) region - Huawei FusionStorage (S3) - 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 - Infoniqa SWISS3CLOUD (S3) - NEC HYDRAstor/iStorage/NEC Storage (S3) - NEC IaaS (S3)
2.4.1 / RPM 1.0.1	NetBackup Appliance: 3.1 or later Media Server: 8.0 or later	Use the most recent version above.	- Updated for NetBackup 8.1.1 and 3.1.1 - Added CloudCatalyst Appliance support for many cloud providers

Cloud Configuration File Packages

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.3.3	8.0 or later	Use the most recent version above.	- Deutsche Telekom Open Telekom Cloud(S3) - Changed default URL style - 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 - NetApp StorageGRID (S3) - Changed default URL style for WAN - NooBaa (S3) - Oracle Cloud Infrastructure (S3)
2.3.2	8.0 or later	Use the most recent version above.	- Amazon Glacier (S3) (requires NetBackup 8.1 or later) - Amazon GovCloud - Glacier (S3) (requires NetBackup 8.1 or later)
2.3.1	8.0 or later	Use the most recent version above.	- CMCC Cloud Storage authentication v5.x (requires NetBackup 8.1 or later) - Fujitsu Cloud Service K5 (requires NetBackup 8.1 or later) - Microsoft Azure Government Cloud (requires NetBackup 8.1 or later) - 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
2.2.9	8.0	Use the most recent version above.	- ACP IT Solutions CS3 Cloud (S3) - Amazon (S3) - Changed "Standard" region to "US East (N. Virginia)" - China Telecom OOS Cloud (S3) - Google (S3) - Australia-Southeast1 region - Google (S3) - Europe-West2 region - Google (S3) - Europe-West3 region - Google (S3) - US-East4 region - Google Coldline & Nearline (S3) - added regions

Cloud Configuration File Packages

Cloud Configuration Package version	NetBackup version	URL	Providers added
2.2.8	8.0	Use the most recent version above.	- Fujitsu Storage ETERNUS CD10000 (S3) - Huawei Object Storage Service (OBS) (S3) - SUSE Enterprise Storage (S3)
2.2.7	8.0	Use the most recent version above.	- 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
2.2.6	8.0	Use the most recent version above.	- Amazon (S3) - Canada Central region - Amazon (S3) - London region - Amazon (S3) - Ohio region - IBM Cloud Object Storage (S3) - Local and WAN performance improvement
2.2.5	8.0	Use the most recent version above.	- Amazon Virtual Private Cloud (VPC) and Amazon custom cloud instance (S3) - Amazon (S3) - Mumbai region - AT&T Cloud Storage (S3) - IBM Cloud Object Storage - Local and WAN (S3)
2.2.4	8.0	Use the most recent version above.	- Amazon GovCloud (S3) - Infrequent Access - China Mobile CMCC Cloud Storage (S3) - Chunghwa Telecom Hicloud (S3) - default Cloud Instance - EMC Elastic Cloud Storage (S3) - Google Cloud Storage (S3) - Coldline Storage Class - Oracle Cloud Service (Swift) - IBM Softlayer (Swift) - Microsoft Azure (Azure) - Oracle Cloud Service (S3) - Quantum Lattus Object Storage (S3) - Scality RING Storage for LAN (S3) - Scality RING Storage for WAN (S3) - SwiftStack (Swift)

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Cloud Configuration File Versions released with NetBackup and NetBackup Appliances

NetBackup / NetBackup Appliance version	Cloud Configuration File version
8.1.2 / 3.1.2	2.5.0
8.1.1 / 3.1.1	2.4.0
8.1 GA / 3.1	2.3.0
8.0 GA / 3.0	2.2.0

Cloud Configuration File Versions included in NetBackup Appliance cloud configuration and device mappings RPMs

NetBackup Appliance RPM version	Cloud Configuration File version
1.0.6	2.5.2
1.0.5	2.5.1
1.0.4	2.4.5
1.0.3	2.4.4
1.0.2	2.4.3
1.0.1	2.4.1

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 8.0 GA/NetBackup Appliance 3.0 and each subsequent Release Update.

The third table lists the version of the device mappings file contained in each version of the NetBackup Appliance 3.1 and later cloud configuration and device mappings updates RPM.

Device Mappings Files Packages

Version	OS platforms / URL	Support added
1.165	Linux/UNIX: <https://www.veritas.com/content/support/en_US/downloads/update.UPD399544.html> Windows: <https://www.veritas.com/content/support/en_US/downloads/update.UPD620485.html>	- Dell EMC Isilon PowerScale (S3) - XSKY Enterprise Object Storage (S3)
1.164	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- Tencent Cloud - Cloud Object Storage (COS) (S3)
1.163	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- Targeted A.I.R. support enabled for Quantum DXi4800/DXi6900/DXi9000 Series OpenStorage solutions
1.162	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- Updated the Readme.txt file
1.161	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- Hitachi Vantara CloudScale (S3)

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Device Mappings Files Packages

Version	OS platforms / URL	Support added
1.160	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- NetBackup Accelerator support enabled for Infinidat InfiniGuard OpenStorage solutions - Targeted A.I.R. support enabled for ExaGrid EX series OpenStorage solutions
1.158	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- Orange Business Systems Flexible Engine OBS (S3) - SandStone MOS (S3)
1.157	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- LTO-8 support for ACSLS (requires NetBackup 8.2 or later)
1.156	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- Nutanix Buckets (S3)
1.155	Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- Spectra Logic Spectra Stack tape library
1.154	NetBackup Appliance: <https://www.veritas.com/docs/100039718> Linux/UNIX: Use the most recent version above. Windows: Use the most recent version above.	- 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.	- Huawei FusionStorage (S3) - Huawei OceanStor 9000 (S3) - Infoniqa 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)
1.148	Use the most recent version above.	- Alibaba Cloud Object Storage Service (OSS) (S3) - 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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Device Mappings Files Packages

Version	OS platforms / URL	Support added
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) - Huawei Object Storage Service (OBS) (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.	- Scality RING Storage for LAN (S3) - Scality RING Storage for WAN (S3) - Oracle Cloud Service (S3) - Oracle Cloud Service (Swift) - Quantum Lattus Object Storage (S3) - SwiftStack (Swift)

Device Mappings Versions released with NetBackup and NetBackup Appliances

NetBackup / NetBackup Appliance version	Device Mappings version
8.1.2 / 3.1.2	1.152
8.1.1 / 3.1.1	1.148
8.1 GA / 3.1	1.143
8.0 GA / 3.0	1.136

Device Mappings Versions included in NetBackup Appliance cloud configuration and device mappings RPMs

NetBackup Appliance RPM version	Device Mappings version
1.0.6	1.154
1.0.5	1.154
1.0.4	1.153
1.0.3	1.153
1.0.2	1.152
1.0.1	1.150

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	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 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> . For details on NetBackup minimum resource requirements, please refer to the "NetBackup Installation Guide" <https://www.veritas.com/content/support/en_US/doc/27801100-130536338-0/> . 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 Cloud Storage Solutions 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 strongly recommends using these templates for deploying NetBackup instead of doing a manual NetBackup installation. For examples, see Setting up NetBackup CloudCatalyst in AWS <https://www.veritas.com/content/support/en_US/doc/CC_AWS_guide> and NetBackup in the Cloud - Guidelines for AWS Deployments <https://www.veritas.com/content/dam/Veritas/docs/briefs/NBU-Guidelines-for-AWS-Deployments.pdf> .

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>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetBackup in the Cloud - Deployment Templates

Contents

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
Red Hat Enterprise Linux	Veritas NetBackup for AWS (BYOL) <https://aws.amazon.com/marketplace/pp/B07N2F4PV7>	Yes	Yes	All Locales

Microsoft

This solution deploys a NetBackup Master or Media Server in a Microsoft Azure Virtual Machine, using an Azure Resource Manager (ARM) template.

Azure Resource Manager (ARM) for NetBackup

Operating System	NetBackup template file	NetBackup Master Server support	NetBackup Media Server support	Supported Locales / Regions
Microsoft Windows Server	Veritas NetBackup on Azure Marketplace <https://azuremarketplace.microsoft.com/en-us/marketplace/apps/veritas.veritas-netbackup-8-s?tab=Overview>	Yes	Yes	All Locales

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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/CloudCatalyst), 5300 Series (Media Server), Virtual, and Flex Appliances

The following tables list NetBackup 5200 Series, 5300 Series, and Virtual release versions, the Appliance models supported with each version, and the NetBackup Release version on which it is based.

There is also a table listing NetBackup Flex Appliance versions, the Appliance models supported with each version, and the Master Server and Media Server versions supported with each version.

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

NetBackup Appliance packages and hotfixes are available on Downloads Center <https://www.veritas.com/content/support/en_US/downloads> .

NOTE: References to NetBackup 5200 and 5220 Appliances have been removed from this document since these models are no longer supported.

NetBackup 5300 Series - Supported Versions

NetBackup 5300 Series Appliance Release	Supported NetBackup Appliance Models	Based on NetBackup Release
3.1.2	5340, 5330	8.1.2
3.1.1	5340, 5330	8.1.1
3.1	5340, 5330	8.1
3.0	5330	8.0
2.7.3	5330	7.7.3
2.7.2	5330	7.7.2
2.7.1	5330	7.7.1

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetBackup 5200 Series - Supported Versions

NetBackup 5200 Series Appliance Release	Supported NetBackup Appliance Models	Based on NetBackup Release
3.1.2	CloudCatalyst 5240, 5240, 5230	8.1.2
3.1.1	CloudCatalyst 5240, 5240, 5230	8.1.1
3.1	CloudCatalyst 5240, 5240, 5230	8.1
3.0	5240, 5230	8.0
2.7.3	5240, 5230	7.7.3
2.7.2	5230	7.7.2
2.7.1	5230	7.7.1

NetBackup Virtual Appliance - Supported Versions

NetBackup Virtual Appliance Release	Based on NetBackup Release
3.1.2	8.1.2
3.1.1	8.1.1
3.1	8.1
3.0	8.0

NetBackup Flex Appliance - Supported Versions

NetBackup Flex Appliance Release	Supported NetBackup Appliance Models	Supported NetBackup Master Server Versions	Supported NetBackup Media Server Versions
1.3	5340 (Configuration A), 5150	8.2, 8.1.2, 8.1.1, 8.1 [1]	8.2, 8.1.2, 8.1.1, 8.1 [1]

1. Veritas strongly recommends running NetBackup 8.2 or later with Flex Appliance.

Configuring Cloud Solutions with NetBackup CloudCatalyst Appliances

The table below shows when a NetBackup cloud configuration and device mappings RPM package is required for configuring cloud providers with NetBackup CloudCatalyst Appliances. "Included in release" means that version of the NetBackup Appliance software contains the information needed for configuring that cloud provider, so installing an RPM is not required.

When to install a Cloud Configuration/Device Mappings RPM for NetBackup CloudCatalyst Appliance

Cloud solution	NetBackup Appliances running 3.1	NetBackup Appliances running 3.1.1	NetBackup Appliances running 3.1.2
ACP CS3 (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Alibaba Cloud Object Storage Service (OSS) (S3)	Not supported	Install RPM 1.0.2 or later	Included in release
Amazon GovCloud Simple Storage Service (S3)	Included in release	Included in release	Included in release
Amazon GovCloud Simple Storage Service - Infrequent Access (S3)	Included in release	Included in release	Included in release
Amazon Simple Storage Service (S3)	Included in release	Included in release	Included in release
Amazon Simple Storage Service - Infrequent Access (S3)	Included in release	Included in release	Included in release
Amazon Simple Storage Service - OneZone-Infrequent Access (S3)	Not supported	Install RPM 1.0.5 or later	Install RPM 1.0.5 or later
AT&T Cloud Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
China Mobile CMCC Cloud Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
China Telecom OOS (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Chunghwa Telecom Hicloud S3 (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Cloudian HyperStore Object Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Dell EMC Elastic Cloud Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Deutsche Telekom Open Telekom Cloud (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Fujitsu ETERNUS CD10000 (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Google Cloud Storage - Multi-Regional (S3)	Included in release	Included in release	Included in release
Google Cloud Storage - Regional (S3)	Included in release	Included in release	Included in release
Google Cloud Storage Coldline (S3)	Included in release	Included in release	Included in release
Google Cloud Storage Nearline (S3)	Included in release	Included in release	Included in release
Hitachi Content Platform (HCP) (S3)	Install RPM 1.0.1 or later	Included in release	Included in release

When to install a Cloud Configuration/Device Mappings RPM for NetBackup CloudCatalyst Appliance

Cloud solution	NetBackup Appliances running 3.1	NetBackup Appliances running 3.1.1	NetBackup Appliances running 3.1.2
Huawei FusionStorage (S3)	Install RPM 1.0.2 or later	Install RPM 1.0.2 or later	Included in release
Huawei OBS Object Storage Service (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Huawei OceanStor 9000 (S3)	Install RPM 1.0.2 or later	Install RPM 1.0.2 or later	Included in release
IBM Cloud Object Storage - Cold Vault (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
IBM Cloud Object Storage - Flex (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
IBM Cloud Object Storage - Private (S3)	Included in release	Included in release	Included in release
IBM Cloud Object Storage - Standard (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
IBM Cloud Object Storage - Vault (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Infoniqa SWISS3CLOUD (S3)	Install RPM 1.0.2 or later	Install RPM 1.0.2 or later	Included in release
Iron Mountain Iron Cloud (S3)	Install RPM 1.0.5 or later	Install RPM 1.0.5 or later	Install RPM 1.0.5 or later
Kingsoft Standard Storage Service (KS3) - Standard (S3)	Install RPM 1.0.3 or later	Install RPM 1.0.3 or later	Install RPM 1.0.5 or later
Kingsoft Standard Storage Service (KS3) - Standard IA (S3)	Install RPM 1.0.4 or later	Install RPM 1.0.4 or later	Install RPM 1.0.5 or later
Microsoft Azure (Azure)	Included in release	Included in release	Included in release
Microsoft Azure Germany (Azure)	Install RPM 1.0.6 or later	Install RPM 1.0.6 or later	Install RPM 1.0.6 or later
Microsoft Azure Government (Azure)	Included in release	Included in release	Included in release
NEC Cloud IaaS (S3)	Install RPM 1.0.2 or later	Install RPM 1.0.2 or later	Included in release
NEC HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) (S3)	Install RPM 1.0.2 or later	Install RPM 1.0.2 or later	Included in release
NEC HYDRAstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen) (S3)	Install RPM 1.0.2 or later	Install RPM 1.0.2 or later	Included in release
NetApp StorageGRID Webscale Object Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
NooBaa (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Oracle Cloud Service (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Oracle Cloud Infrastructure (S3)	Not supported	Install RPM 1.0.1 or later	Included in release
Quantum Active Archive and ActiveScale Systems (S3) (formerly HGST)	Install RPM 1.0.1 or later	Included in release	Included in release
Quantum Lattus Object Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release

When to install a Cloud Configuration/Device Mappings RPM for NetBackup CloudCatalyst Appliance

Cloud solution	NetBackup Appliances running 3.1	NetBackup Appliances running 3.1.1	NetBackup Appliances running 3.1.2
Red Hat Ceph Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Scality RING Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
SUSE Enterprise Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
SwiftStack Object Storage (S3)	Install RPM 1.0.1 or later	Included in release	Included in release
Telefonica Open Cloud (S3)	Install RPM 1.0.2 or later	Install RPM 1.0.2 or later	Included in release
Veritas Access (S3)	Included in release	Included in release	Included in release
Veritas Access 3340 Appliance (S3)	Not supported	Included in release	Included in release
Veritas Cognitive Object Storage (S3)	Install RPM 1.0.3 or later	Install RPM 1.0.3 or later	Install RPM 1.0.3 or later

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetBackup 5200 Series, 5300 Series, and Virtual Appliance Supported Functionality

The following table lists NetBackup 5200 Series, 5300 Series, and Virtual Appliance supported functionality and indicates the minimum NetBackup Appliance Release version required for support of that functionality. NetBackup 5200 Series, 5300 Series, and Virtual Appliances can be used with all supported core NetBackup clients (see the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL>), application and database agents (see the "NetBackup 8.0 - 8.x.x Database and Application Agent Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_DBSCL>), and Snapshot client configurations.

NetBackup 5200 Series, 5300 Series, and Virtual Appliances - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
NetBackup Master/Media Server	2.7.1 (5200 Series) 3.1.2 (Virtual)	5200 Series, Virtual	The Master Server role is only supported on 5200 Series and Virtual 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, Virtual	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.
NetBackup CloudCatalyst Appliance	3.1 (5240G) 3.1.2 (Virtual)	5240 (Configuration G with 192 GB of memory), Virtual	
Accelerator (for files and folders)	2.7.1	5200 Series, 5300 Series, Virtual	
Accelerator with NDMP	2.7.1	5200 Series, 5300 Series, Virtual	Supported with Dell EMC Isilon Scale-Out NAS filers (requires NetBackup Appliance version 3.1 or later), and NetApp AFF, FAS, and V series filers. When using this feature with a NetBackup Virtual Appliance, monitor the /dev/mapper/system-log partition to ensure it does not exceed 50% of capacity, and manage log files to increase remaining partition capacity. For information on managing accelerator track log files, see "About the track log for Accelerator for NDMP" <https://www.veritas.com/content/support/en_US/doc/24427212-131831692-0/v106584292-131831692> . For more information on this feature, see the "About NetBackup Accelerator for NDMP" <https://www.veritas.com/content/support/en_US/doc/24427212-131831692-0/v99897177-131831692> .
Accelerator with VMware-type policies	2.7.1	5200 Series, 5300 Series, Virtual	

NetBackup 5200 Series, 5300 Series, and Virtual Appliances - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
Auto Image Replication to MSDP/5200 Series or 5300 Series over Ethernet	2.7.1	5200 Series, 5300 Series, Virtual	
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, Virtual	
Client Deduplication / Client Direct over Ethernet	2.7.1	5200 Series, 5300 Series, Virtual	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 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> .
Copilot for Oracle	2.7.1	5230, 5240, 5330, 5340	For more information on this feature, see the "NetBackup Copilot for Oracle Configuration Guide" <https://www.veritas.com/content/support/en_US/doc/114308232-126559107-0/index> .
Fibre Transport Media Server	2.7.1	5230, 5240, 5330, 5340	Supported with 8 Gb HBAs in NetBackup 5230, 5240, 5330, and 5340 Appliances. Supported with 16 Gb HBAs in NetBackup 5240 and 5340 Appliances running 3.1.2 or later.
FIPS-compliant encryption	3.1.2	5200 Series, 5300 Series, Virtual	FIPS-compliant encryption, as defined by the Federal Information Processing Standards 140-2, can be enabled from the NetBackup Shell Menu. For more information, see the "NetBackup Appliance Security Guide" <https://www.veritas.com/support/en_US/doc/96220900-132543872-0/index> .
Granular Recovery Technology (GRT)	2.7.1	5200 Series, 5300 Series, Virtual	
Granular Recovery Technology (GRT) with VMware-type policies	2.7.1	5200 Series, 5300 Series, Virtual	Support for VMware-type backup policies with Application Protection options enabled for Exchange or SharePoint.
Instant Data Access	3.1.2	5240, 5330, 5340	This feature allows you to create an Instant Access VM from a NetBackup backup image. The VM is available almost instantaneously, achieving a near-zero recovery time objective. NetBackup mounts the VM snapshot directly on the backup storage device to allow your ESXi host or cluster to treat the snapshot as a normal VM. For more information, see the "NetBackup Web UI VMware Administrator's Guide" <https://www.veritas.com/content/support/en_US/doc/130706365-133278128-0/index> .

NetBackup 5200 Series, 5300 Series, and Virtual Appliances - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
Instant Recovery for VMware	2.7.1	5200 Series, 5300 Series, Virtual	Support for restoring virtual machines with Instant Recovery is described in the "NetBackup for VMware Administrator's Guide" <https://www.veritas.com/content/support/en_US/doc/21902280-133434834-0/index> . For details on supported platforms for instant recovery restore hosts, see "Support for NetBackup 7.x and 8.x in virtual environments" <https://www.veritas.com/content/support/en_US/doc/NB_70_80_VE> .
iSCSI Initator - Hardware-assisted with TCP Offload Engine (TOE) card	3.0	5240 (Configuration H), 5340 (Configurations A, B, C, D, and E)	Supports backup of VMware virtual machines using VADP with SAN transport. For more information on this feature, see the "NetBackup Appliance iSCSI Guide" <https://www.veritas.com/content/support/en_US/doc/122285129-130445102-0/index> and the "NetBackup for VMware Administrator's Guide" <https://www.veritas.com/content/support/en_US/doc/21902280-133434834-0/index> .
Key Management Service (KMS)	2.7.1 3.1.2 (MSDP)	5200 Series, 5300 Series	With version 3.1.2 and later, KMS supports encryption for MSDP. With version 2.6 and later, KMS is supported with Appliances configured as either a Master or a Media Server. With a NetBackupCLI administrator account in the NetBackup Appliance Shell Menu, an Appliance Master Server can administrate KMS with tape devices connected to itself or another NetBackup Appliance. Regenerating the data encryption key is the only supported method of recovering KMS on an Appliance Master Server. With versions earlier than 2.6, KMS is only supported when the Appliance is configured as a Media Server, and a non-Appliance Master Server is required to administrate KMS with devices connected to a NetBackup Appliance.
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, Virtual	Supported NDMP solutions are listed in the NDMP devices Vendor Compatibility section.
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	Supported plug-ins are listed in the "Support with NetBackup Appliance" tables shown in the OST Cloud and OST Storage Servers Vendor Compatibility sections. For instructions on installing vendor plug-in packages on NetBackup Appliances, see "About OpenStorage plugin installation" <https://www.veritas.com/content/support/en_US/doc/75895731-133007275-0/v66702930-133007275> .
OpsCenter	2.7.1	5200 Series, 5300 Series, Virtual	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetBackup 5200 Series, 5300 Series, and Virtual Appliances - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
OpsCenter Managed Server	2.7.1	5200 Series, 5300 Series, Virtual	
Optimized Duplication (Opt_Dup) over Ethernet	2.7.1	5200 Series, 5300 Series, Virtual	Supported from 5200/5300 Series/Virtual to 5000 Series (MSDP to PDDO) and from 5200/5300 Series/Virtual to 5200/5300 Series/Virtual (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, Virtual	NetBackup Appliance version 2.0 or later/NetBackup 7.1 or later is recommended for Optimized Synthetics support.
Tape Drive Support	2.7.1 (FC) 3.1 (SAS)	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 (TLD & ACS) 3.1 (SAS tape-out)	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" and "This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter" in the Tape Libraries Vendor Compatibility section. Use the NetBackup Device Configuration Wizard within the NetBackup Adminstration Console to configure robots and tape drives on the NetBackup Appliance.
Universal Shares	3.1	5240, 5330, 5340	For more information on configuring Universal Shares, see Manage > Storage > Universal Shares <https://www.veritas.com/content/support/en_US/doc/75895731-130448786-0/v127187279-130448786>
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 Adminstration 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. Documentation for NetBackup Appliances is available here <https://www.veritas.com/docs/100040113> . Late breaking news related to NetBackup Appliances is available here <https://www.veritas.com/docs/100003949> .

NOTE: References to NetBackup 5000 and 5020 Appliances have been removed from this document since these models are no longer supported.

NetBackup 5000 Series - Supported Versions

NetBackup 5000 Series Appliance Release	Supported NetBackup Appliance Models	NetBackup 5000 Series Appliance Software Version
1.4.5	5030	6.6.5

NetBackup 5000 Series Appliance Supported Functionality

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	
Auto Image Replication	1.4.5	5030	
Call Home	1.4.5	5030	
Client Deduplication / Client Direct over Ethernet	1.4.5	5030	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 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> .

NetBackup 5000 Series - Supported Functionality

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
Fibre Channel support for PDDO	1.4.5	5030	
Granular Recovery Technology (GRT)	1.4.5	5030	
Intelligent Platform Management Interface (IPMI) support	1.4.5	5030	
NetBackup OST Storage Server	1.4.5	5030	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	
Optimized Duplication (Opt_Dup) from PDDO to MSDP	1.4.5	5030	Supported from 5000 Series to 5200/5300 Series.
Optimized Synthetics (Opt_Synth)	1.4.5	5030	
PureDisk Remote Office Appliance	1.4.5	5030	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	

Snapshot Solutions

NetBackup protects snapshots with the following features: Replication Director and Snapshot Client.

Integrated Snapshot Management using CloudPoint

Information on hardware and cloud applications that are compatible with CloudPoint is contained in the following documents:

Veritas CloudPoint Compatibility Lists

Compatibility List Name	URL
CloudPoint 2.2.1 Hardware Compatibility List (HCL)	<https://www.veritas.com/support/en_US/doc/CP_221_HCL>
CloudPoint 2.2.1 Cloud Application Compatibility List	<https://www.veritas.com/support/en_US/doc/CP_221_APP_CL>
CloudPoint 2.2 Hardware Compatibility List (HCL)	<https://www.veritas.com/support/en_US/doc/CP_22_HCL>
CloudPoint 2.2 Cloud Application Compatibility List	<https://www.veritas.com/support/en_US/doc/CP_22_APP_CL>

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" <https://www.veritas.com/content/support/en_US/doc/59229900-129889735-0/v58079997-129889735> . This document contains links to important information about Replication Director requirements, latest issues, best practices, product documentation, limitations, and eLearning tutorial videos.

Contents

Replication Director - Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> . 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 3.0 or later, 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. Where support is shown for "Windows Server 2016 Datacenter" it also means that the other editions of Windows Server 2016 and Windows Storage Server 2016 are supported. 5. CentOS and Oracle Linux are not supported with Replication Director, unless noted otherwise. 6. In the vendor compatibility tables below, the column "NetBackup Version" indicates the NetBackup 8.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 dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 8.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 8.x Client Start of Support	NetBackup 8.x Media Server Start of Support	File System/Volume Manager	Multipathing Tools
AIX 6.1 on POWER	8.0 GA	8.0 GA [1]	JFS2/LVM	
AIX 7.2 on POWER	Not supported	8.0 GA [1]		
HP-UX 11.31 on IA64	8.0 GA	8.0 GA [1]	VxFS/LVM VxFS/none online JFS/LVM online JFS/none	VxDMP HP-UX Native Multipathing
Red Hat Enterprise Linux 5 on x86-64	8.0 GA	8.0 GA [2]	VxFS/VxVM ext3/none	VxDMP DM-MPIO
Red Hat Enterprise Linux 6 on x86-64	8.0 GA	8.0 GA [3]	VxFS/VxVM ext3/none	
Red Hat Enterprise Linux 7 on x86-64	Not supported	8.0 GA		
Solaris 10 on SPARC	8.0 GA	8.0 GA	VxFS/VxVM UFS/none	VxDMP Solaris MPxIO
SUSE Linux Enterprise Server 11 on x86-64	8.0 GA	8.0 GA	VxFS/VxVM ext3/none	
SUSE Linux Enterprise Server 12 on x86-64	Not supported	8.0 GA		
Windows Server 2008 R2 on x64	8.0 GA	8.0 GA	NTFS/native volume manager	VxDMP Windows MPIO Data ONTAP DSM for Windows MPIO
Windows Server 2016 on x64	Not supported	8.0 GA		

1. This platform is not supported as a media server with NetBackup 8.1.2 and later.

2. This platform is not supported as a media server with NetBackup 8.1 and later.

3. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

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 8.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 8.x Client Start of Support	NetBackup 8.x Media Server Start of Support
AIX 6.1 on POWER	8.0 GA	8.0 GA [1]
AIX 7.1 on POWER	8.0 GA	8.0 GA [1]
AIX 7.2 on POWER	Not supported	8.0 GA [1]
HP-UX 11.31 on IA64	8.0 GA	8.0 GA [1]
Red Hat Enterprise Linux 5 on x86-64	8.0 GA	8.0 GA [2]
Red Hat Enterprise Linux 6 on x86-64	8.0 GA	8.0 GA [3]
Red Hat Enterprise Linux 7 on x86-64	8.0 GA	8.0 GA
Solaris 10 on SPARC	8.0 GA	8.0 GA
Solaris 11 on SPARC	8.0 GA	8.0 GA [4]
SUSE Linux Enterprise Server 11 on x86-64	8.0 GA	8.0 GA
SUSE Linux Enterprise Server 12 on x86-64	8.0 GA	8.0 GA
Windows Server 2008 R2 on x64	8.0 GA	8.0 GA
Windows Server 2012 on x64	8.0 GA	8.0 GA
Windows Server 2012 R2 on x64	8.0 GA	8.0 GA
Windows Server 2016 on x64	8.0 GA	8.0 GA

1. This platform is not supported as a media server with NetBackup 8.1.2 and later.

2. This platform is not supported as a media server with NetBackup 8.1 and later.

3. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

4. 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		<https://www.veritas.com/docs/100015087> "Software required to use Replication Director" <https://www.veritas.com/content/support/en_US/doc/59229900-129889735-0/v88963642-129889735>
NetApp	<https://support.netapp.com/matrix/>	"Software required to use Replication Director" <https://www.veritas.com/content/support/en_US/doc/59229900-129889735-0/v88963642-129889735>

Replication Director - Supported Functionality

The following table lists NetBackup Replication Director functionality and indicates the NetBackup 8.x version at which that functionality was first supported. For more information on Replication Director functionality, see the "NetBackup Replication Director Solutions Guide" <https://www.veritas.com/content/support/en_US/doc/59229900-129889735-0/v58079997-129889735> .

For supported versions of agents, see the "NetBackup 8.0 - 8.x.x Database and Application Agent Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_DBSCL> . The version information contained in that document also applies to databases and applications residing in VMware Virtual Machines.

For supported versions of VMware, see the "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-directed Operations	Abbreviation	NetBackup 8.x Start of Support
Array-based Restore	Array-based_Restore	8.0 GA
Snapshot Management for File System	Snapshot_Mgmt_FS	8.0 GA
Snapshot Replication for File System	Snapshot_Repl_FS	8.0 GA
Snapshot Management for Oracle	Snapshot_Mgmt_Oracle	8.0 GA
Snapshot Replication for Oracle	Snapshot_Repl_Oracle	8.0 GA
Snapshot Management for VMware	Snapshot_Mgmt_VMware	8.0 GA
Snapshot Replication for VMware	Snapshot_Repl_VMware	8.0 GA

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetBackup-directed Operations	Abbreviation	NetBackup 8.x Start of Support
Snapshot Management for Microsoft Exchange on VMware	Snapshot_Mgmt_VMware_Exchange	8.0 GA
Snapshot Replication for Microsoft Exchange on VMware	Snapshot_Repl_VMware_Exchange	8.0 GA
Snapshot Management for Microsoft SQL Server on VMware	Snapshot_Mgmt_VMware_SQL	8.0 GA
Snapshot Replication for Microsoft SQL Server on VMware	Snapshot_Repl_VMware_SQL	8.0 GA
Snapshot Management for Oracle on NFS Storage	Snapshot_Mgmt_Oracle_NFS	8.0 GA
Snapshot Replication for Oracle on NFS Storage	Snapshot_Repl_Oracle_NFS	8.0 GA
Snapshot Management for VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware_NFS	8.0 GA
Snapshot Replication for VMware with NFS Attached Datastores	Snapshot_Repl_VMware_NFS	8.0 GA
Snapshot Management for Microsoft Exchange on VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware_Exchange_NFS	8.0 GA
Snapshot Replication for Microsoft Exchange on VMware with NFS Attached Datastores	Snapshot_Repl_VMware_Exchange_NFS	8.0 GA
Snapshot Management for Microsoft SQL Server on VMware with NFS Attached Datastores	Snapshot_Mgmt_VMware_SQL_NFS	8.0 GA
Snapshot Replication for Microsoft SQL Server on VMware with NFS Attached Datastores	Snapshot_Repl_VMware_SQL_NFS	8.0 GA

Replication Director - Vendor Compatibility

Contents

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] [2] [3]	NAS	NetBackup 8.0 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 [4]	Datacenter	6, 7	11, 12
VNX Series [1] [2] [3] [5]	NAS	NetBackup 8.0 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 [4]	Datacenter	6, 7	11, 12
VNX2 Series [1] [2] [3] [6]	NAS	NetBackup 8.0 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 [4]	Datacenter	6, 7	11, 12

1. For information on support with earlier NetBackup versions, see the corresponding HCLs at <http://www.netbackup.com/compatibility.>

2. For more information, see "Using NetBackup Replication Director to create snapshots of EMC VNX and Celerra storage systems" <http://www.veritas.com/docs/100015087> .

3. This solution is not supported with NetBackup 8.1 and later.

4. Requires Windows 2008 R2 or later.

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

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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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] [2] [3]	NAS	NetBackup 8.0 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 [4]	11.31 [4]	10, 11 [5]
VNX Series [1] [2] [3] [6]	NAS	NetBackup 8.0 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 [4]	11.31 [4]	10, 11 [5]
VNX2 Series [1] [2] [3] [7]	NAS	NetBackup 8.0 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 [4]	11.31 [4]	10, 11 [5]

1. For information on support with earlier NetBackup versions, see the corresponding HCLs at <http://www.netbackup.com/compatibility.>

2. For more information, see "Using NetBackup Replication Director to create snapshots of EMC VNX and Celerra storage systems" <http://www.veritas.com/docs/100015087> .

3. This solution is not supported with NetBackup 8.1 and later.

4. This platform is not supported as a media server with NetBackup 8.1.2 and later.

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

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

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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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
AFF and 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]
AFF and 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 OnCommand Unified Manager 9.5 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]
AFF and FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup	Data ONTAP 9.6 Data ONTAP 9.7 ActiveIQ Unified Manager 9.6 ActiveIQ Unified Manager 9.7 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	Windows Server 2016 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_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	No	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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
FAS Series [1] [2] [3]	NAS	NetApp Plug-in 2.0.1 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	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	Windows Server 2016 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]	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]	Datacenter [5]	6, 7	No

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
AFF and 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]	Datacenter [5]	6, 7	No
AFF and 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 OnCommand Unified Manager 9.5 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]	Datacenter [5]	6, 7	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
AFF and FAS Series	NAS	NetApp Plug-in 2.0.1 for Symantec NetBackup Data ONTAP 9.6 Data ONTAP 9.7 ActiveIQ Unified Manager 9.6 ActiveIQ Unified Manager 9.7 See the Replication Director Vendor Links table for more information.	Data ONTAP 9.6 Data ONTAP 9.7 ActiveIQ Unified Manager 9.6 ActiveIQ Unified Manager 9.7	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]	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 [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 [4]	11.31 [4]	11 [5]
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 [4]	11.31 [4]	11 [5]

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. This platform is not supported as a media server with NetBackup 8.1.2 and later.

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

Snapshot Client

This section contains Snapshot Client compatibility information for Veritas NetBackup 8.x.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> .

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	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> . 1. 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. 2. 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. 3. Where support is shown for "Windows Server 2016 Datacenter" it also means that the other editions of Windows Server 2016 and Windows Storage Server 2016 are supported.

Subject	Notes
Operating system support dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

Snapshot Client - Vendor Compatibility

Contents

Microsoft Volume Shadow Copy Service (Microsoft VSS)   Array-based Snapshot Methods   Software-based Snapshot Methods

Microsoft Volume Shadow Copy Service (Microsoft VSS)

Snapshot Client - VSS Snapshot Providers Support for Microsoft Windows Considerations

Subject	Notes
Support assumptions	- 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 [1]	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 [1]	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 [1]	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

1. HP-UX is not supported as a media server with NetBackup 8.1.2 and later.

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 [1]	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 [1]	Dell EMC TimeFinder Snap	Dell EMC Solution Enabler	SAP Oracle Agent	Local Client Alternate Client	JFS2 / LVM
Symmetrix VMAX series [1]	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 [1]	Dell EMC TimeFinder Clone	Dell EMC Solution Enabler	SAP Oracle Agent	Local Client Alternate Client	JFS2 / LVM
Symmetrix VMAX series [1]	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 [1]	Dell EMC TimeFinder Mirror	Dell EMC Solution Enabler	SAP Oracle Agent	Local Client Alternate Client	JFS2 / LVM

1. AIX is not supported as a media server with NetBackup 8.1.2 and later.

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 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 [1]	Dell EMC VNX SnapView Clone	Dell EMC Navisphere CLI	File System	Local Snapshot Local Snapshot with Instant Recovery	online JFS / LVM

1. HP-UX is not supported as a media server with NetBackup 8.1.2 and later.

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
VNX series [1]	Dell EMC VNX SnapView Clone	Dell EMC Navisphere CLI	File System	Local Snapshot Alternate Client	ext3 / none
VNX series [1]	Dell EMC VNX SnapView Clone	Dell EMC Navisphere CLI	DB2 Agent	Local Snapshot	ext3 / none
VNX series [1]	Dell EMC VNX SnapView Clone	Dell EMC Navisphere CLI	File System	Local Snapshot Alternate Client	VxFS / VxVM

1. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

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 [1]	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 [1]	Hitachi_CopyOnWrite	Hitachi RAID Manager	File System	FlashBackup Local Snapshot FlashBackup Alternate Client	ext3 / none
AMS2000 series [1]	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 [1]	Hitachi_ShadowImage	Hitachi RAID Manager	File System	FlashBackup Local Snapshot FlashBackup Alternate Client	ext3 / none

1. Red Hat Enterprise Linux 5 is not supported as a media server or client with NetBackup 8.1 and later.

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
AMS2000 series [1]	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 [1]	Hitachi_CopyOnWrite	Hitachi RAID Manager	File System	FlashBackup Local Snapshot FlashBackup Alternate Client	ext4 / none
AMS2000 series [1]	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

Red Hat Enterprise Linux 6

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
AMS2000 series [1]	Hitachi_ShadowImage	Hitachi RAID Manager	File System	FlashBackup Local Snapshot FlashBackup Alternate Client	ext4 / none

1. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

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 [1]	Hitachi_CopyOnWrite-Hitachi Thin Image [2]	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client	ext3 / none
VSP Gx00/Fx00 series [1]	Hitachi_ShadowImage	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client	ext3 / none

1. Red Hat Enterprise Linux 5 is not supported as a media server or client with NetBackup 8.1 and later.

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 Gx00/Fx00 series [1]	Hitachi_CopyOnWrite-Hitachi Thin Image [2]	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client	ext4 / none
VSP Gx00/Fx00 series [1]	Hitachi_ShadowImage	Hitachi RAID Manager	File System	Local Snapshot Local Snapshot with Instant Recovery Alternate Client	ext4 / none

1. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

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

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] [2]	Hitachi_CopyOnWrite-Hitachi Thin Image [3]	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Alternate Client	ext3 / none
VSP G series [1] [2]	Hitachi_ShadowImage	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Alternate Client	ext3 / none

1. Red Hat Enterprise Linux 5 is not supported as a media server or client with NetBackup 8.1 and later.

2. 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.

3. 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] [2]	Hitachi_CopyOnWrite-Hitachi Thin Image [3]	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Alternate Client	ext4 / none
VSP G series [1] [2]	Hitachi_ShadowImage	Hitachi RAID Manager	File System Oracle Agent	Local Snapshot Alternate Client	ext4 / none

1. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

2. 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.

3. 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 [1]	HPE EVA Snapclone	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	online JFS / LVM
EVA6400/8400 series [1]	HPE EVA Snapshot	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	online JFS / LVM
EVA6400/8400 series [1]	HPE EVA Vsnap	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	online JFS / LVM

1. HP-UX is not supported as a media server with NetBackup 8.1.2 and later.

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 [1]	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 [1]	HPE EVA Snapshot	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	ext3 / none
EVA6400/8400 series [1]	HPE EVA Vsnap	HPE Storage System Scripting Utility	File System	Local Snapshot Alternate Client	ext3 / none

1. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

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] [2]	HPE XP BusinessCopy	RAID Manager Library	File System Oracle Agent	Local Snapshot Alternate Client	ext3 / none

1. Red Hat Enterprise Linux 5 is not supported as a media server or client with NetBackup 8.1 and later.

2. 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] [2]	HPE XP BusinessCopy	RAID Manager Library	File System Oracle Agent	Local Snapshot Alternate Client	ext4 / none

1. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

2. 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 5

Storage Family	Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
XP P9500 [1]	HPE XP BusinessCopy	RAID Manager Library	File System	Local Snapshot Local Snapshot with Instant Recovery	Ext3 / None
XP P9500 [1]	HPE XP Snapshot	RAID Manager Library	File System	Local Snapshot Local Snapshot with Instant Recovery	Ext3 / None

1. Red Hat Enterprise Linux 5 is not supported as a media server or client with NetBackup 8.1 and later.

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 [1]	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / VxVM
FlashSnap [1]	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 [1]	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / VxVM
vxvm [1]	Veritas Storage Foundation	File System	FlashBackup Local Snapshot	VxFS / VxVM
vxvm [1]	Veritas Storage Foundation	File System Oracle Agent SAP Oracle Agent	Local Snapshot Local Snapshot with Instant Recovery	online JFS / VxVM Raw / VxVM VxFS / VxVM

1. HP-UX is not supported as a media server with NetBackup 8.1.2 and later.

IBM AIX 6.1

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

2. AIX is not supported as a media server with NetBackup 8.1.2 and later.

IBM AIX 7.1

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
BLIB [1] [2]	Veritas Storage Foundation	DB2 Oracle Agent	Local Snapshot with Instant Recovery	VxFS / VxVM
VxFS_Checkpoint [2]	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> .

2. AIX is not supported as a media server with NetBackup 8.1.2 and later.

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

Microsoft Windows 2008 x64

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
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 [1]	Veritas Storage Foundation	File System	FlashBackup-Windows Local Snapshot	VxFS / VxVM
vxvm [1]	Veritas Storage Foundation	File System	FlashBackup-Windows Local Snapshot	VxFS / VxVM

1. Red Hat Enterprise Linux 5 is not supported as a media server or client with NetBackup 8.1 and later.

Red Hat Enterprise Linux 6

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
vxvm [1]	Veritas Storage Foundation	File System	Local Snapshot Local Snapshot with Instant Recovery	RAW / VxVM VxFS / VxVM

1. NetBackup 8.1.2 and later require Red Hat Enterprise Linux 6 Update 8 or later for media server support.

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

Oracle Solaris 10 SPARC

Snapshot Type	Software	NetBackup Agent	Snapshot Method	File System / Volume Manager
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
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> .

Cloud Storage Solutions

NetBackup 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.

NetBackup Cloud support information is listed in the tables below, organized by vendor. These tables provide information on supported versions of plug-ins and functionality, and other important notes about the hardware and its compatibility.

Contents

Cloud Storage - Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> . 1. In the vendor compatibility tables below, the column "NetBackup Version Containing Plug-in" indicates the NetBackup 8.x version at which that cloud storage solution was first supported. 2. Cloud support on Windows platforms requires Windows 2008 R2 or later. 3. (existing) Where support for Ceph storage is shown, it means that vendor's Ceph solution is supported. Other Ceph-based solutions are not supported. 3. Community-distributed Ceph solutions are supported when using the Red Hat string. Since these solutions rely on the community, support for any issues encountered may be delayed or unavailable, depending on the nature of the issue.
Configuration considerations	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" <https://www.veritas.com/docs/100032993> . 2. NetBackup-provided Cloud connectors are not supported with IPv6, unless noted otherwise. Configuring these plug-ins with IPv6 may result in unpredictable behavior.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Cloud Storage - Supported Cloud Technology Methods

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

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 Amazon S3 cloud storage API type" <https://www.veritas.com/content/support/en_US/doc/58500769-130532418-0/v121380735-130532418> .

Storage solutions using the NetBackup S3 Cloud Connector support the following functionality, unless noted otherwise:

NetBackup S3 Cloud Connector - Supported Functionality

Supported Functionality	Notes
Accelerator (for files and folders)	
Accelerator with VMware-type policies	
CloudCatalyst	Requires NetBackup 8.1 or later / NetBackup Appliance 3.1 or later. NetBackup CloudCatalyst uses MSDP deduplication technology to upload deduplicated data to the cloud. The data is uploaded by a CloudCatalyst storage server, which first stores data in a local cache before uploading it to cloud storage. A CloudCatalyst storage server is a dedicated host that must be either a NetBackup appliance or a media server configured for NetBackup CloudCatalyst. NetBackup 5240 Appliances (configuration "G" with 192 GB of memory) running 3.1 and later can be configured in a CloudCatalyst Appliance role. NetBackup Media Servers running Red Hat 7 Update 3 or later and NetBackup 8.1 or later can be configured as CloudCatalyst storage servers. A CloudCatalyst storage server can write to only one cloud provider, and only to one cloud bucket. Any platform supported as a NetBackup Client or MSDP Media Server can be a CloudCatalyst source and can write to a CloudCatalyst Appliance or storage server. For more information on configuring CloudCatalyst, see "Configuring deduplication to the cloud with NetBackup CloudCatalyst" <https://www.veritas.com/content/support/en_US/doc/25074086-131900563-0/v125437232-131900563> .
Compression	

NetBackup S3 Cloud Connector - Supported Functionality

Supported Functionality	Notes
NetBackup Encryption Key Management Service	The cloud provider supports using NetBackup KMS to encrypt backups to cloud targets.
Optimized Synthetics	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" <https://www.veritas.com/docs/100013288> .

Swift Storage

This method uses the NetBackup OpenStack (Swift) Cloud Connector, a plug-in included with NetBackup. For more information on configuring Swift solutions, see "About OpenStack Swift cloud storage API type" <https://www.veritas.com/content/support/en_US/doc/58500769-130532418-0/v121370025-130532418> .

Storage solutions using the NetBackup Swift Cloud Connector support the following functionality, unless noted otherwise:

NetBackup Swift Cloud Connector - Supported Functionality

Supported Functionality	Notes
Accelerator (for files and folders)	
Accelerator with VMware-type policies	

NetBackup Swift Cloud Connector - Supported Functionality

Supported Functionality	Notes
CloudCatalyst	Requires NetBackup 8.1 or later / NetBackup Appliance 3.1 or later. **Note: CloudCatalyst will not be supported with the Swift Cloud Connector with the next release after NetBackup 8.1.2 / NetBackup Appliance 3.1.2.** NetBackup CloudCatalyst uses MSDP deduplication technology to upload deduplicated data to the cloud. The data is uploaded by a CloudCatalyst storage server, which first stores data in a local cache before uploading it to cloud storage. A CloudCatalyst storage server is a dedicated host that must be either a NetBackup appliance or a media server configured for NetBackup CloudCatalyst. NetBackup 5240 Appliances (configuration "G" with 192 GB of memory) running 3.1 and later can be configured in a CloudCatalyst Appliance role. NetBackup Media Servers running Red Hat 7 Update 3 or later and NetBackup 8.1 or later can be configured as CloudCatalyst storage servers. A CloudCatalyst storage server can write to only one cloud provider, and only to one cloud bucket. Any platform supported as a NetBackup Client or MSDP Media Server can be a CloudCatalyst source and can write to a CloudCatalyst Appliance or storage server. For more information on configuring CloudCatalyst, see "Configuring deduplication to the cloud with NetBackup CloudCatalyst" in the "NetBackup Deduplication Guide" <http://www.veritas.com/docs/000003214> .
Compression	
NetBackup Encryption Key Management Service	The cloud provider supports using NetBackup KMS to encrypt backups to cloud targets.
Optimized Synthetics	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" <https://www.veritas.com/docs/100013288> .

Microsoft Azure Storage

This method uses the NetBackup Azure Cloud Connector, a plug-in included with NetBackup. For more information on configuring Microsoft Azure solutions, see "About Microsoft Azure cloud storage API type" <https://www.veritas.com/content/support/en_US/doc/58500769-130532418-0/v118626392-130532418> .

Storage solutions using the NetBackup Azure Cloud Connector support the following functionality, unless noted otherwise:

NetBackup Azure Cloud Connector - Supported Functionality

Supported Functionality	Notes
Accelerator (for files and folders)	
Accelerator with VMware-type policies	
CloudCatalyst	Requires NetBackup 8.1 or later / NetBackup Appliance 3.1 or later. NetBackup CloudCatalyst uses MSDP deduplication technology to upload deduplicated data to the cloud. The data is uploaded by a CloudCatalyst storage server, which first stores data in a local cache before uploading it to cloud storage. A CloudCatalyst storage server is a dedicated host that must be either a NetBackup appliance or a media server configured for NetBackup CloudCatalyst. NetBackup 5240 Appliances (configuration "G" with 192 GB of memory) running 3.1 and later can be configured in a CloudCatalyst Appliance role. NetBackup Media Servers running Red Hat 7 Update 3 or later and NetBackup 8.1 or later can be configured as CloudCatalyst storage servers. A CloudCatalyst storage server can write to only one cloud provider, and only to one cloud bucket. Any platform supported as a NetBackup Client or MSDP Media Server can be a CloudCatalyst source and can write to a CloudCatalyst Appliance or storage server. For more information on configuring CloudCatalyst, see "Configuring deduplication to the cloud with NetBackup CloudCatalyst" <https://www.veritas.com/content/support/en_US/doc/25074086-136046435-0/v125437232-136046435> .
Compression	
NetBackup Encryption Key Management Service	The cloud provider supports using NetBackup KMS to encrypt backups to cloud targets.

NetBackup Azure Cloud Connector - Supported Functionality

Supported Functionality	Notes
Optimized Synthetics	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" <https://www.veritas.com/docs/100013288> .

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 EMC Atmos cloud storage API type" <https://www.veritas.com/content/support/en_US/doc/124322355-127148324-0/v121631270-127148324> . **Note: 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.

Storage solutions using the NetBackup Atmos Connector support the following functionality, unless noted otherwise:

NetBackup Atmos Cloud Connector - Supported Functionality

Supported Functionality	Notes
Accelerator (for files and folders)	
Accelerator with VMware-type policies	
Compression	
NetBackup Encryption Key Management Service	The cloud provider supports using NetBackup KMS to encrypt backups to cloud targets.
Optimized Synthetics	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" <https://www.veritas.com/docs/100013288> .

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 OpenStack Swift cloud storage API type" <https://www.veritas.com/content/support/en_US/doc/58500769-130532418-0/v121370025-130532418> . **Note: 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.

Storage solutions using the NetBackup Rackspace Connector support the following functionality, unless noted otherwise:

NetBackup Rackspace Cloud Connector - Supported Functionality

Supported Functionality	Notes
Accelerator (for files and folders)	
Accelerator with VMware-type policies	
Compression	
NetBackup Encryption Key Management Service	The cloud provider supports using NetBackup KMS to encrypt backups to cloud targets.
Optimized Synthetics	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" <https://www.veritas.com/docs/100013288> .

OST

This method uses a third-party OpenStorage Technology plug-in, provided by the storage vendor and certified by Veritas.

For a list of functionality supported with an OST plug-in, see the Vendor Compatibility table for that solution.

Advanced Disk Targets

This method uses third-party hardware or software to make the cloud appear as an AdvancedDisk storage unit to NetBackup.

For more information on AdvancedDisk solutions, see "NetBackup AdvancedDisk Storage Solutions Guide" <http://www.veritas.com/docs/100040135> .

VTL

This method uses third-party software to present the Cloud as if it were a VTL (Virtual Tape Library) to NetBackup.

For a list of functionality supported with VTLs, see the Virtual Tape Libraries section of this HCL.

Cloud Storage - Vendor Compatibility

Contents

ACP	Alibaba	Amazon
AT&T	China Mobile	China Telecom
Chunghwa Telecom	Cloudian	Datish Systems (OpenDedup)
Dell EMC	Deutsche Telekom	Fujitsu
Google	Hitachi	Hitachi Vantara
Huawei	IBM	Infoniga
Iron Mountain	Kingsoft	Microsoft
NEC	NetApp	NooBaa
Nutanix	Oracle	Orange Business Services
Quantum	Rackspace	Red Hat
SandStone	Scality	StorReduce
SUSE	SwiftStack	Telefonica
Veritas		

ACP

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
CS3	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No Requires NetBackup Cloud Configuration Package version 2.2.9 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.acpcloud.rocks/>
CS3	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.acpcloud.rocks/>
CS3	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.acpcloud.rocks/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Alibaba

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage Service (OSS)	NetBackup 8.1.1 and later S3 connector	No	Asia Pacific NE 1 (Tokyo), Asia Pacific SE 1 (Singapore), Asia Pacific SE 2 (Sydney), Asia Pacific SE 3 (Kuala Lumpur), Asia Pacific SE 5 (Jakarta), Asia Pacific SOU 1 (Mumbai), China East 1 (Hangzhou), China East 2 (Shanghai), China North 1 (Qingdao), China North 2 (Beijing), China North 3 (Zhangjiakou), China North 5 (Hohhot), China South 1 (Shenzhen), Germany 1 (Frankfurt), Hong Kong, Middle East 1 (Dubai), US East 1 (Virginia), US West 1 (Silicon Valley)	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. If you are running a custom Alibaba instance, before installing Cloud Configuration Package 2.4.2 or later, please see the "Conflict between user-created cloud instance and NetBackup default cloud instance" in the Cloud Configuration Package article <https://www.veritas.com/docs/000125094> . Secure Socket Layer (SSL): Yes Server-side encryption: No Support for the Asia Pacific NE 1 (Tokyo), Asia Pacific SE 1 (Singapore), Asia Pacific SE 2 (Sydney), Asia Pacific SE 3 (Kuala Lumpur), Asia Pacific SE 5 (Jakarta), Asia Pacific SOU 1 (Mumbai), China East 1 (Hangzhou), China East 2 (Shanghai), China North 1 (Qingdao), China North 2 (Beijing), China North 3 (Xhangjiakou), China North 5 (Hohhot), China South 1 (Shenzhen), Germany 1 (Frankfurt), Hong Kong, Middle East 1 (Dubai), US East 1 (Virginia), and US West 1 (Silicon Valley) locales requires Cloud Configuration Package version 2.4.2 or later. URL style: Virtual Hosted Vendor site: <https://www.alibabacloud.com/product/oss/>

Alibaba

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage Service (OSS)	NetBackup Appliance 3.1.1 and later S3 connector	No	Asia Pacific NE 1 (Tokyo), Asia Pacific SE 1 (Singapore), Asia Pacific SE 2 (Sydney), Asia Pacific SE 3 (Kuala Lumpur), Asia Pacific SE 5 (Jakarta), Asia Pacific SOU 1 (Mumbai), China East 1 (Hangzhou), China East 2 (Shanghai), China North 1 (Qingdao), China North 2 (Beijing), China North 3 (Zhangjiakou), China North 5 (Hohhot), China South 1 (Shenzhen), Germany 1 (Frankfurt), Hong Kong, Middle East 1 (Dubai), US East 1 (Virginia), US West 1 (Silicon Valley)	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted Vendor site: <https://www.alibabacloud.com/product/oss/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Glacier	NetBackup 8.1 and later S3 connector	No	Africa (Cape Town), Asia Pacific (Hong Kong), 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 (Milan), Europe (Paris), Europe (Stockholm), Middle East (Bahrain), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	CloudCatalyst: No For more information, see "Protecting Data in Amazon Glacier using NetBackup 8.1 (with Cloud Configuration Package version 2.3.2 and later)" <http://www.veritas.com/docs/100040801> . Glacier Vault requires NetBackup 8.1.2 or later. NetBackup Accelerator (for files and folders): No NetBackup Accelerator with VMware: No NetBackup supports Amazon Glacier standard retrieval policies, which complete within 3 to 5 hours. Veritas recommends setting the retrieval retention period to a minimum of 3 days. Requires Cloud Configuration Package version 2.3.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Bahrain and Hong Kong regions requires Cloud Configuration Package version 2.6.2 or later. Support for the Cape Town, Milan and Stockholm regions requires Cloud Configuration Package version 2.6.4 or later. Support for the Ningxia region requires Cloud Configuration Package version 2.4.4 or later. Support for the Paris region requires Cloud Configuration Package version 2.5.1 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://aws.amazon.com/glacier/>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Glacier Deep Archive	NetBackup 8.1.1 and later S3 connector	No	Africa (Cape Town), Asia Pacific (Hong Kong), 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 (Milan), Europe (Paris), Europe (Stockholm), Middle East (Bahrain), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	CloudCatalyst: No NetBackup Accelerator (for files and folders): No NetBackup Accelerator with VMware: No NetBackup supports Amazon Glacier Deep Archive standard retrieval policies. For more information on times required for retrieval, see Amazon's documentation for this storage class. Veritas recommends setting the retrieval retention period to a minimum of 3 days. Requires Cloud Configuration Package version 2.5.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Bahrain and Hong Kong regions requires Cloud Configuration Package version 2.6.2 or later. Support for the Cape Town, Milan and Stockholm regions requires Cloud Configuration Package version 2.6.4 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://aws.amazon.com/s3/storage-classes/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
GovCloud - Glacier	NetBackup 8.1 and later S3 connector	No	US East1 (Gov FIPS 140-2), US East1 (Gov Non-FIPS), US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	AWS C2S is supported with this solution. CloudCatalyst: No For more information, see "Protecting Data in Amazon Glacier using NetBackup 8.1 (with Cloud Configuration Package version 2.3.2 and later)" <http://www.veritas.com/docs/100040801> . Glacier Vault requires NetBackup 8.1.2 or later. NetBackup Accelerator (for files and folders): No NetBackup Accelerator with VMware: No NetBackup supports Amazon Glacier standard retrieval policies, which complete within 3 to 5 hours. Veritas recommends setting the retrieval retention period to a minimum of 3 days. Requires Cloud Configuration Package version 2.3.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the US East1 (Gov FIPS 140-2, Gov Non-FIPS) regions requires Cloud Configuration Package version 2.6.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/govcloud-us/>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
GovCloud - Glacier Deep Archive	NetBackup 8.1.1 and later S3 connector	No	US East1 (Gov FIPS 140-2), US East1 (Gov Non-FIPS), US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	CloudCatalyst: No NetBackup Accelerator (for files and folders): No NetBackup Accelerator with VMware: No NetBackup supports Amazon Glacier Deep Archive standard retrieval policies. For more information on times required for retrieval, see Amazon's documentation for this storage class. Veritas recommends setting the retrieval retention period to a minimum of 3 days. Requires Cloud Configuration Package version 2.5.4 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the US East1 (Gov FIPS 140-2, Gov Non-FIPS) regions requires Cloud Configuration Package version 2.6.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/govcloud-us/>
GovCloud Simple Storage Service	NetBackup 8.0 and later S3 connector	No	US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	AWS C2S is supported with this solution. CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/govcloud-us/>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
GovCloud Simple Storage Service	NetBackup 8.1 and later S3 connector	Yes	US East1 (Gov FIPS 140-2), US East1 (Gov Non-FIPS), US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	AWS C2S is supported with this solution. CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup 8.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the US East1 (Gov FIPS 140-2, Gov Non-FIPS) regions requires Cloud Configuration Package version 2.6.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/govcloud-us/>
GovCloud Simple Storage Service	NetBackup Appliance 3.1 and later S3 connector	Yes	US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	AWS C2S is supported with this solution. CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup Appliance 3.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/govcloud-us/>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
GovCloud Simple Storage Service - Infrequent Access (IA)	NetBackup 8.0 and later S3 connector	No	US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	AWS C2S is supported with this solution. CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.2.5 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/govcloud-us/>
GovCloud Simple Storage Service - Infrequent Access (IA)	NetBackup 8.1 and later S3 connector	Yes	US East1 (Gov FIPS 140-2), US East1 (Gov Non-FIPS), US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	AWS C2S is supported with this solution. CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup 8.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the US East1 (Gov FIPS 140-2, Gov Non-FIPS) regions requires Cloud Configuration Package version 2.6.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/govcloud-us/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
GovCloud Simple Storage Service - Infrequent Access (IA)	NetBackup Appliance 3.1 and later S3 connector	Yes	US West1 (Gov FIPS 140-2), US West1 (Gov Non-FIPS)	AWS C2S is supported with this solution. CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup Appliance 3.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/govcloud-us/>
Simple Storage Service (S3) Standard	NetBackup 8.0 and later S3 connector	No	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)	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Central Canada, London, and Ohio regions requires Cloud Configuration Package version 2.2.6 or later. Support for the Mumbai region requires Cloud Configuration Package version 2.2.5 or later. Support for the Ningxia region requires Cloud Configuration Package version 2.4.4 or later. Support for the Paris region requires Cloud Configuration Package version 2.5.1 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/s3>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Simple Storage Service (S3) Standard	NetBackup 8.1 and later S3 connector	Yes	Africa (Cape Town), Asia Pacific (Hong Kong), 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 (Milan), Europe (Paris), Europe (Stockholm), Middle East (Bahrain), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup 8.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Bahrain and Hong Kong regions requires Cloud Configuration Package version 2.6.2 or later. Support for the Cape Town, Milan and Stockholm regions requires Cloud Configuration Package version 2.6.4 or later. Support for the Ningxia region requires Cloud Configuration Package version 2.4.4 or later. Support for the Paris region requires Cloud Configuration Package version 2.5.1 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/s3>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Simple Storage Service (S3) Standard	NetBackup Appliance 3.1 and later S3 connector	Yes	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)	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup Appliance 3.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Ningxia region requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.3 or later. Support for the Paris region requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.5 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/s3>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Simple Storage Service (S3) Standard - Infrequent Access (IA)	NetBackup 8.0 and later S3 connector	No	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)	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Central Canada, London, and Ohio regions requires Cloud Configuration Package version 2.2.6 or later. Support for the Mumbai region requires Cloud Configuration Package version 2.2.5 or later. Support for the Ningxia region requires Cloud Configuration Package version 2.4.4 or later. Support for the Paris region requires Cloud Configuration Package version 2.5.1 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/s3>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Simple Storage Service (S3) Standard - Infrequent Access (IA)	NetBackup 8.1 and later S3 connector	Yes	Africa (Cape Town), Asia Pacific (Hong Kong), 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 (Milan), Europe (Paris), Europe (Stockholm), Middle East (Bahrain), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup 8.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Bahrain and Hong Kong regions requires Cloud Configuration Package version 2.6.2 or later. Support for the Cape Town, Milan and Stockholm regions requires Cloud Configuration Package version 2.6.4 or later. Support for the Ningxia region requires Cloud Configuration Package version 2.4.4 or later. Support for the Paris region requires Cloud Configuration Package version 2.5.1 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/s3>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Simple Storage Service (S3) Standard - Infrequent Access (IA)	NetBackup Appliance 3.1 and later S3 connector	Yes	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)	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup Appliance 3.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Ningxia region requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.3 or later. Support for the Paris region requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.5 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/s3>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Simple Storage Service (S3) Standard - One Zone-Infrequent Access Storage	NetBackup 8.1 and later S3 connector	Yes	Africa (Cape Town), Asia Pacific (Hong Kong), 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 (Milan), Europe (Paris), Europe (Stockholm), Middle East (Bahrain), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon)	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup 8.1.1 and later. Requires NetBackup 8.1.2 or later, or Cloud Configuration Package version 2.5.1 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the Bahrain and Hong Kong regions requires Cloud Configuration Package version 2.6.2 or later. Support for the Cape Town, Milan and Stockholm regions requires Cloud Configuration Package version 2.6.4 or later. Support for the Paris region requires Cloud Configuration Package version 2.5.1 or later. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/s3>

Amazon

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Simple Storage Service (S3) Standard - One Zone-Infrequent Access Storage	NetBackup Appliance 3.1 and later S3 connector	Yes	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)	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup Appliance 3.1.1 and later. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.5 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Virtual Hosted (default), Path Vendor site: <http://aws.amazon.com/s3>

AT&T

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Storage	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.2.5 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Virtual Hosted (default), Path Vendor site: <http://www.att.com/cloud>
Cloud Storage	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Virtual Hosted (default), Path Vendor site: <http://www.att.com/cloud>
Cloud Storage	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Virtual Hosted (default), Path Vendor site: <http://www.att.com/cloud>

AT&T

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Synaptic Storage as a Service	NetBackup 8.0 and later	No	On-Premises	**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. CloudCatalyst: No Secure Socket Layer (SSL): Yes Vendor site: <https://www.synaptic.att.com>

China Mobile

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
CMCC Cloud Storage	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://ecloud.10086.cn/>

China Mobile

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
CMCC Cloud Storage	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://ecloud.10086.cn/>
CMCC Cloud Storage	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://ecloud.10086.cn/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

China Telecom

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
OOS	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires NetBackup Cloud Configuration Package version 2.2.9 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.ctyun.cn/>
OOS	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.ctyun.cn/>
OOS	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.ctyun.cn/>

Chunghwa Telecom

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Hicloud S3	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <http://hicloud.hinet.net/>
Hicloud S3	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <http://hicloud.hinet.net/>
Hicloud S3	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <http://hicloud.hinet.net/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Cloudian

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
HyperStore Object Storage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.cloudian.com/>
HyperStore Object Storage	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.cloudian.com/>
HyperStore Object Storage	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.cloudian.com/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Datish Systems (OpenDedup)

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
OpenDedup	OpenDedup 1.0 Plug-in	No	On-Premises	CloudCatalyst: No NetBackup Accelerator (for files and folders): Yes NetBackup Accelerator with VMware: Yes Supported with Amazon AWS S3 and Microsoft Azure. Vendor site: <http://www.opendedup.org>
OpenDedup	OpenDedup 2.0 Plug-in	No	On-Premises	CloudCatalyst: No NetBackup Accelerator (for files and folders): Yes NetBackup Accelerator with VMware: Yes NetBackup Encryption Key Management Service: Yes Supported with Amazon AWS S3 and Microsoft Azure. Vendor site: <http://www.opendedup.org>

Datish Systems (OpenDedup)

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
OpenDedup	OpenDedup 2.2 Plug-in	No	On-Premises	CloudCatalyst: No NetBackup Accelerator (for files and folders): Yes NetBackup Accelerator with VMware: Yes NetBackup Encryption Key Management Service: Yes Supported with Amazon AWS S3 and Microsoft Azure. Targeted Auto Image Replication: Yes Vendor site: Whole"><http://www.opendedup.org Whole> Image Optimized Duplication: Yes

Dell EMC

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
ATMOS Object Storage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No Secure Socket Layer (SSL): Yes Server-side encryption: Yes URL style: Path Vendor site: <http://www.emc.com/storage/atmos/atmos.htm>

Dell EMC

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Elastic Cloud Storage	NetBackup 8.0 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) 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. Secure Socket Layer (SSL): Yes. SSL is supported with ECS version 3.1 and later. Server-side encryption: No URL style: Path Vendor site: <http://www.emc.com/storage/ecs/index.htm>
Elastic Cloud Storage	NetBackup 8.1 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes. SSL is supported with ECS version 3.1 and later. Server-side encryption: No URL style: Path Vendor site: <http://www.emc.com/storage/ecs/index.htm>

Dell EMC

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Elastic Cloud Storage	NetBackup Appliance 3.1 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes. SSL is supported with ECS version 3.1 and later. Server-side encryption: No URL style: Path Vendor site: <http://www.emc.com/storage/ecs/index.htm>

Deutsche Telekom

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Open Telekom Cloud	NetBackup 8.0 and later S3 connector	No	EU (Germany)	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.2.7 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://cloud.telekom.de/en/>
Open Telekom Cloud	NetBackup 8.1 and later S3 connector	No	EU (Germany)	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://cloud.telekom.de/en/>
Open Telekom Cloud	NetBackup Appliance 3.1 and later S3 connector	No	EU (Germany)	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://cloud.telekom.de/en/>

Fujitsu

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Enterprise Cloud Service K5	NetBackup 8.1 and later Swift connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports v3.0. Vendor site: <http://www.fujitsu.com/global/solutions/cloud/k5/>
Enterprise Cloud Service K5	NetBackup 8.1.1 and later Swift connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup Swift Cloud Connector - Supported Functionality section. Note: CloudCatalyst will not be supported with the Swift Cloud Connector with the next release after NetBackup 8.1.2 / NetBackup Appliance 3.1.2. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports v3.0. Vendor site: <http://www.fujitsu.com/global/solutions/cloud/k5/>
ETERNUS CD10000	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires NetBackup Cloud Configuration Package version 2.2.8 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.fujitsu.com/global/products/computing/storage/eternus-cd/>

Fujitsu

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
ETERNUS CD10000	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.fujitsu.com/global/products/computing/storage/eternus-cd/>
ETERNUS CD10000	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.fujitsu.com/global/products/computing/storage/eternus-cd/>

Google

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Storage - Multi-Regional	NetBackup 8.0 and later S3 connector	No	Asia (Multi-Regional), EU (Multi-Regional), US (Multi-Regional)	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) 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. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/about/locations/>
Cloud Storage - Multi-Regional	NetBackup 8.1 and later S3 connector	No	Asia (Multi-Regional), EU (Multi-Regional), US (Multi-Regional)	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/about/locations/>

Google

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Storage - Multi-Regional	NetBackup Appliance 3.1 and later S3 connector	No	Asia (Multi-Regional), EU (Multi-Regional), US (Multi-Regional)	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/about/locations/>
Cloud Storage - Regional	NetBackup 8.0 and later S3 connector	No	Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU-West1, EU-West2, EU-West3, US-Central1, US-East1, US-East4, US-West1	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) 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. Requires Cloud Configuration Package version 2.2.7 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No Support for the Australia-Southeast1, EU-West2, EU-West3, and US-East4 regions requires Cloud Configuration Package version 2.2.9 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/about/locations/>

Google

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Storage - Regional	NetBackup 8.1 and later S3 connector	No	Asia-East1, Asia-East2, Asia-Northeast1, Asia-Northeast2, Asia-Southeast1, Australia-Southeast1, EU-West1, EU-West2, EU-West3, EU-West6, US-Central1, US-East1, US-East4, US-West1	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No Support for the Asia-East2, Asia-Northeast2, and EU-West6 regions requires Cloud Configuration Package version 2.6.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/about/locations/>
Cloud Storage - Regional	NetBackup Appliance 3.1 and later S3 connector	No	Asia-East1, Asia-Northeast1, Asia-Southeast1, Australia-Southeast1, EU-West1, EU-West2, EU-West3, US-Central1, US-East1, US-East4, US-West1	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/about/locations/>

Google

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Storage Coldline	NetBackup 8.0 and later S3 connector	No	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	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) 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. Secure Socket Layer (SSL): Yes Server-side encryption: No 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 2.2.9 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/storage/archival>
Cloud Storage Coldline	NetBackup 8.1 and later S3 connector	No	Asia (Multi-Regional), Asia-East1, Asia-East2, Asia-Northeast1, Asia-Northeast2, Asia-Southeast1, Australia-Southeast1, EU (Multi-Regional), EU-West1, EU-West2, EU-West3, EU-West6, US (Multi-Regional), US-Central1, US-East1, US-East4, US-West1	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No Support for the Asia-East2, Asia-Northeast2, and EU-West6 regions requires Cloud Configuration Package version 2.6.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/storage/archival>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Google

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Storage Coldline	NetBackup Appliance 3.1 and later S3 connector	No	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	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/storage/archival>
Cloud Storage Nearline	NetBackup 8.0 and later S3 connector	No	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	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) 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. Secure Socket Layer (SSL): Yes Server-side encryption: No 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 2.2.9 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/storage-nearline/>

Google

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Storage Nearline	NetBackup 8.1 and later S3 connector	No	Asia (Multi-Regional), Asia-East1, Asia-East2, Asia-Northeast1, Asia-Northeast2, Asia-Southeast1, Australia-Southeast1, EU (Multi-Regional), EU-West1, EU-West2, EU-West3, EU-West6, US (Multi-Regional), US-Central1, US-East1, US-East4, US-West1	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No Support for the Asia-East2, Asia-Northeast2, and EU-West6 regions requires Cloud Configuration Package version 2.6.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/storage-nearline/>
Cloud Storage Nearline	NetBackup Appliance 3.1 and later S3 connector	No	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	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <https://cloud.google.com/storage-nearline/>

Hitachi

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Content Platform (HCP)	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: No Supported in LAN and WAN environments. The versioning feature must be enabled in the Hitachi cloud storage settings for both the tenant and the bucket. URL style: Path Vendor site: <https://www.hitachivantara.com/en-us/products/cloud-object-platform/content-platform.html>
Content Platform (HCP)	NetBackup 8.1 and later S3 connector	Yes	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup 8.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: No Supported in LAN and WAN environments. The versioning feature must be enabled in the Hitachi cloud storage settings for both the tenant and the bucket. URL style: Path Vendor site: <https://www.hitachivantara.com/en-us/products/cloud-object-platform/content-platform.html>

Hitachi

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Content Platform (HCP)	NetBackup Appliance 3.1 and later S3 connector	Yes	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. IPv6 is supported with NetBackup Appliance 3.1.1 and later. Secure Socket Layer (SSL): Yes Server-side encryption: No Supported in LAN and WAN environments. The versioning feature must be enabled in the Hitachi cloud storage settings for both the tenant and the bucket. URL style: Path Vendor site: <https://www.hitachivantara.com/en-us/products/cloud-object-platform/content-platform.html>

Hitachi Vantara

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
CloudScale	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.6.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No Supported in LAN and WAN environments. URL style: Path Vendor site: <https://www.hitachivantara.com/en-us/products/storage/object-storage/content-platform.html>

Huawei

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
FusionStorage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://e.huawei.com/us/products/cloud-computing-dc/storage/cloud-storage/fusionstorage>
FusionStorage	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://e.huawei.com/us/products/cloud-computing-dc/storage/cloud-storage/fusionstorage>

Huawei

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
FusionStorage	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://e.huawei.com/us/products/cloud-computing-dc/storage/cloud-storage/fusionstorage>
OBS Object Storage Service	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires NetBackup Cloud Configuration Package version 2.2.8 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <http://www.hwclouds.com/product/obs.html>
OBS Object Storage Service	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <http://www.hwclouds.com/product/obs.html>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Huawei

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
OBS Object Storage Service	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Virtual Hosted (default), Path Vendor site: <http://www.hwclouds.com/product/obs.html>
OceanStor 9000	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.3 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://e.huawei.com/en/products/cloud-computing-dc/storage/cloud-storage/9000>

Huawei

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
OceanStor 9000	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.3 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://e.huawei.com/en/products/cloud-computing-dc/storage/cloud-storage/9000>
OceanStor 9000	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://e.huawei.com/en/products/cloud-computing-dc/storage/cloud-storage/9000>

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud	NetBackup 8.0 and later Swift connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports v1.0. Vendor site: <http://www.softlayer.com/>
Cloud	NetBackup 8.1.1 and later Swift connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup Swift Cloud Connector - Supported Functionality section. Note: CloudCatalyst will not be supported with the Swift Cloud Connector with the next release after NetBackup 8.1.2 / NetBackup Appliance 3.1.2. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports v1.0 Vendor site: <http://www.softlayer.com/>
Cloud Object Storage - Cold Vault	NetBackup 8.0 and later S3 connector	No	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.4.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Cold Vault	NetBackup 8.1 and later S3 connector	No	AP Australia, AP Cross Region, AP Tokyo, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Australia and AP Tokyo locales requires Cloud Configuration Package version 2.8.2 or later. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.4.2 or later. The AUS Melbourne locale has been decommissioned and is not included in Cloud Configuration Package version 2.8.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Cold Vault	NetBackup Appliance 3.1 and later S3 connector	No	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>
Cloud Object Storage - Flex	NetBackup 8.0 and later S3 connector	No	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.4.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Flex	NetBackup 8.1 and later S3 connector	No	AP Australia, AP Cross Region, AP Tokyo, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Australia and AP Tokyo locales requires Cloud Configuration Package version 2.8.2 or later. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.4.2 or later. The AUS Melbourne locale has been decommissioned and is not included in Cloud Configuration Package version 2.8.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Flex	NetBackup Appliance 3.1 and later S3 connector	No	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>
Cloud Object Storage - Private	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.2.5 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Supported in LAN and WAN environments. Support for LAN environments requires version 3.8 or later storage server software. URL style: Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Private	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Supported in LAN and WAN environments. Support for LAN environments requires version 3.8 or later storage server software. URL style: Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>
Cloud Object Storage - Private	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Supported in LAN and WAN environments. Support for LAN environments requires version 3.8 or later storage server software. URL style: Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Standard	NetBackup 8.0 and later S3 connector	No	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.4.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>
Cloud Object Storage - Standard	NetBackup 8.1 and later S3 connector	No	AP Australia, AP Cross Region, AP Tokyo, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Australia and AP Tokyo locales requires Cloud Configuration Package version 2.8.2 or later. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.4.2 or later. The AUS Melbourne locale has been decommissioned and is not included in Cloud Configuration Package version 2.8.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Standard	NetBackup Appliance 3.1 and later S3 connector	No	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>
Cloud Object Storage - Vault	NetBackup 8.0 and later S3 connector	No	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.4.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Vault	NetBackup 8.1 and later S3 connector	No	AP Australia, AP Cross Region, AP Tokyo, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Australia and AP Tokyo locales requires Cloud Configuration Package version 2.8.2 or later. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires Cloud Configuration Package version 2.4.2 or later. The AUS Melbourne locale has been decommissioned and is not included in Cloud Configuration Package version 2.8.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

IBM

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Object Storage - Vault	NetBackup Appliance 3.1 and later S3 connector	No	AP Cross Region, AUS Melbourne, CAN Toronto, EU Cross Region, EU United Kingdom, US Cross Region, US East, US South	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Support for the AP Cross Region, AUS Melbourne, CAN Toronto, and EU Great Britain locales requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. URL style: Virtual Hosted (default), Path Vendor site: <https://www.ibm.com/cloud-computing/products/storage/object-storage/cloud/>

Infoniqa

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
SWISS3CLOUD	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.infoniqa.ch/cloud-services/swiss3cloud/>
SWISS3CLOUD	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.infoniqa.ch/cloud-services/swiss3cloud/>

Infoniqa

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
SWISS3CLOUD	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.infoniqa.ch/cloud-services/swiss3cloud/>

Iron Mountain

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Iron Cloud	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <http://www.ironmountain.com/>

Iron Mountain

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Iron Cloud	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <http://www.ironmountain.com/>
Iron Cloud	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <http://www.ironmountain.com/>

Kingsoft

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Standard Storage Service (KS3) - Standard	NetBackup 8.0 and later S3 connector	No	Beijing, Hong Kong, Shanghai	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.4 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.ksyun.com/post/product/KS3>
Standard Storage Service (KS3) - Standard	NetBackup 8.1 and later S3 connector	No	Beijing, Hong Kong, Shanghai	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.4 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.ksyun.com/post/product/KS3>

Kingsoft

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Standard Storage Service (KS3) - Standard	NetBackup Appliance 3.1 and later S3 connector	No	Beijing, Hong Kong, Shanghai	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.ksyun.com/post/product/KS3>
Standard Storage Service (KS3) - Standard IA	NetBackup 8.0 and later S3 connector	No	Beijing, Hong Kong, Shanghai	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.5 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.ksyun.com/post/product/KS3>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Kingsoft

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Standard Storage Service (KS3) - Standard IA	NetBackup 8.1 and later S3 connector	No	Beijing, Hong Kong, Shanghai	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.5 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.ksyun.com/post/product/KS3>
Standard Storage Service (KS3) - Standard IA	NetBackup Appliance 3.1 and later S3 connector	No	Beijing, Hong Kong, Shanghai	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.4 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.ksyun.com/post/product/KS3>

Microsoft

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Azure	NetBackup 8.0 and later Azure connector	No	All Locales	Azure Blob storage with hot and cool tiers is supported. CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Vendor site: <https://docs.microsoft.com/en-gb/azure/storage/storage-introduction/>
Azure	NetBackup 8.1 and later Azure connector	No	All Locales	Azure Blob storage with hot and cool tiers is supported. CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup Azure Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Vendor site: <https://docs.microsoft.com/en-gb/azure/storage/storage-introduction/>
Azure	NetBackup Appliance 3.1 and later Azure connector	No	All Locales	Azure Blob storage with hot and cool tiers is supported. CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup Azure Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Vendor site: <https://docs.microsoft.com/en-gb/azure/storage/storage-introduction/>
Azure Germany	NetBackup 8.1 and later Azure connector	No	All Locales	Azure Blob storage with hot and cool tiers is supported. CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup Azure Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.5.2 or later. Secure Socket Layer (SSL): Yes Vendor site: <https://docs.microsoft.com/en-gb/azure/storage/storage-introduction/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Microsoft

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Azure Government	NetBackup 8.1 and later Azure connector	No	All US Gov Locales	Azure Blob storage with hot and cool tiers is supported. CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup Azure Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Vendor site: <https://azure.microsoft.com/en-us/overview/clouds/government/>
Azure Government	NetBackup Appliance 3.1 and later Azure connector	No	All US Gov Locales	Azure Blob storage with hot and cool tiers is supported. CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup Azure Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Vendor site: <https://azure.microsoft.com/en-us/overview/clouds/government/>

NEC

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud IaaS	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://jpn.nec.com/cloud/service/platform_service/iaas.html>
Cloud IaaS	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://jpn.nec.com/cloud/service/platform_service/iaas.html>

NEC

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud IaaS	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://jpn.nec.com/cloud/service/platform_service/iaas.html>
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.necam.com/HYDRAstor/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NEC

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.necam.com/HYDRAstor/>
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.necam.com/HYDRAstor/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NEC

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
HYDRAstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen)	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.necam.com/HYDRAstor/>
HYDRAstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen)	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.necam.com/HYDRAstor/>

NEC

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
HYDRAstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen)	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <http://www.necam.com/HYDRAstor/>

NetApp

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
AltaVault	NetApp 1.2 Plug-in	No	On-Premises	CloudCatalyst: No 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. 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. Optimized Duplication: Yes Vendor site: <http://www.netapp.com/us/products/protection-software/altavault/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetApp

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
StorageGRID Webscale Object Storage	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires NetBackup Cloud Configuration Package version 2.3.1 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path (default), Virtual Hosted Vendor site: <http://www.netapp.com/us/products/data-management-software/object-storage-grid-sds.aspx>
StorageGRID Webscale Object Storage	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path (default), Virtual Hosted Vendor site: <http://www.netapp.com/us/products/data-management-software/object-storage-grid-sds.aspx>
StorageGRID Webscale Object Storage	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path (default), Virtual Hosted Vendor site: <http://www.netapp.com/us/products/data-management-software/object-storage-grid-sds.aspx>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NooBaa

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
NooBaa	NetBackup 8.0 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.noobaa.com/>
NooBaa	NetBackup 8.1 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.noobaa.com/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NooBaa

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
NooBaa	NetBackup Appliance 3.1 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.noobaa.com/>

Nutanix

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Objects	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.5.5 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.nutanix.com/products/objects/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Oracle

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Service	NetBackup 8.0 and later S3 connector	No	All Locales	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://cloud.oracle.com/home>
Cloud Service	NetBackup 8.0 and later Swift connector	No	All Locales	CloudCatalyst: No Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports v1.0. Vendor site: <https://cloud.oracle.com/home>
Cloud Service	NetBackup 8.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://cloud.oracle.com/home>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Oracle

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Service	NetBackup 8.1.1 and later Swift connector	No	All Locales	CloudCatalyst: No Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports v1.0. Vendor site: <https://cloud.oracle.com/home>
Cloud Service	NetBackup Appliance 3.1 and later S3 connector	No	All Locales	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://cloud.oracle.com/home>
Oracle Cloud Infrastructure	NetBackup 8.1 and later S3 connector	No	EU Frankfurt, US Ashburn, US Phoenix	CloudCatalyst: No. (Support for CloudCatalyst for this solution requires NetBackup 8.1.1 or later.) Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path (default), Virtual Hosted Vendor site: <https://cloud.oracle.com/en_US/infrastructure/storage>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Oracle

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Oracle Cloud Infrastructure	NetBackup 8.1.1 and later S3 connector	No	EU Frankfurt, US Ashburn, US Phoenix	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.3.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path (default), Virtual Hosted Vendor site: <https://cloud.oracle.com/en_US/infrastructure/storage>
Oracle Cloud Infrastructure	NetBackup Appliance 3.1.1 and later S3 connector	No	EU Frankfurt, US Ashburn, US Phoenix	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path (default), Virtual Hosted Vendor site: <https://cloud.oracle.com/en_US/infrastructure/storage>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Orange Business Services

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Flexible Engine OBS	NetBackup 8.1 and later S3 connector	No	EU West 0, EU West 1, NA East 0	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.6.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://cloud.orange-business.com/en/flexible-engine/>

Quantum

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Active Archive and ActiveScale Systems	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) 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. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path Vendor site: <http://www.hgst.com/products/systems>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Quantum

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Active Archive and ActiveScale Systems	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path Vendor site: <http://www.hgst.com/products/systems>
Active Archive and ActiveScale Systems	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path Vendor site: <http://www.hgst.com/products/systems>

Quantum

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Lattus Object Storage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) 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. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path Vendor site: <http://www.quantum.com/products/bigdatamanagement/lattus/index.aspx>
Lattus Object Storage	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path Vendor site: <http://www.quantum.com/products/bigdatamanagement/lattus/index.aspx>

Quantum

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Lattus Object Storage	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): No Server-side encryption: No URL style: Path Vendor site: <http://www.quantum.com/products/bigdatamanagement/lattus/index.aspx>
Q-Cloud Protect	Quantum 2.9 Plug-in	No	On-Premises	Auto Image Replication: Yes CloudCatalyst: No Data-at-Rest encryption is supported with the DXi6802 and DXi8500 (3TB) models. 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. Optimized Duplication: Yes Optimized Synthetics: Yes Vendor site: <http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/OSTClientPlugIn/Index.aspx>

Quantum

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Q-Cloud Protect	Quantum 3.0 Plug-in	No	On-Premises	Auto Image Replication: Yes CloudCatalyst: No Data-at-Rest encryption is supported with the DXi6802 and DXi8500 (3TB) models. 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. Optimized Duplication: Yes Optimized Synthetics: Yes Vendor site: <http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/OSTClientPlugIn/Index.aspx>
Q-Cloud Protect	Quantum 3.1 Plug-in	No	On-Premises	Auto Image Replication: Yes CloudCatalyst: No Data-at-Rest encryption is supported with the DXi6802 and DXi8500 (3TB) models. 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. Optimized Duplication: Yes Optimized Synthetics: Yes Vendor site: <http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/OSTClientPlugIn/Index.aspx>

Quantum

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Q-Cloud Protect for AWS	Quantum 3.1 Plug-in	No	All Locales, On-Premises	Auto Image Replication: Yes CloudCatalyst: No For information on how to setup Q-Cloud Protect for AWS with NetBackup, go to Optimized"><http://www.quantum.com/q-cloudprotectdocs. Optimized> Duplication: Yes Optimized Synthetics: Yes Vendor site: <http://www.quantum.com/ServiceandSupport/SoftwareandDocumentationDownloads/OSTClientPlugIn/Index.aspx>

Rackspace

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Cloud Files	NetBackup 8.0 and later	No	All Locales	**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. CloudCatalyst: No Secure Socket Layer (SSL): Yes Vendor site: <http://www.rackspace.com>

Red Hat

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Ceph Storage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.2.7 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.redhat.com/en/technologies/storage/ceph>
Ceph Storage	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.redhat.com/en/technologies/storage/ceph>
Ceph Storage	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.redhat.com/en/technologies/storage/ceph>

SandStone

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
MOS	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.6.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://www.szsandstone.com/product/mos>

Scality

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
RING Storage	NetBackup 8.0 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Supported in LAN and WAN environments. URL style: Path (LAN); Virtual Hosted (default), Path (WAN) Vendor site: <http://www.scality.com/>
RING Storage	NetBackup 8.1 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. Supported in LAN and WAN environments. URL style: Path (LAN); Virtual Hosted (default), Path (WAN) Vendor site: <http://www.scality.com/>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Scality

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
RING Storage	NetBackup Appliance 3.1 and later S3 connector	No	All Locales, On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path (LAN); Virtual Hosted (default), Path (WAN) Vendor site: <http://www.scality.com/>

StorReduce

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Deduplicate Cloud Storage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No On August 21st, 2018, Pure Storage acquired StorReduce. Future product offerings will be listed in a Pure Storage table in this section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <http://storreduce.com/>

SUSE

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
SUSE Enterprise Storage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires NetBackup Cloud Configuration Package version 2.2.8 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.suse.com/products/suse-enterprise-storage/>
SUSE Enterprise Storage	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.suse.com/products/suse-enterprise-storage/>

SUSE

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
SUSE Enterprise Storage	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports AES256. URL style: Path Vendor site: <https://www.suse.com/products/suse-enterprise-storage/>

SwiftStack

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Object Storage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) 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. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.swiftstack.com>

SwiftStack

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Object Storage	NetBackup 8.0 and later Swift connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1.1 or later.) 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. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports v1.0, v2.0 (default), v3.0. Vendor site: <https://www.swiftstack.com>
Object Storage	NetBackup 8.1 and later S3 connector	No	On-Premises	16 MB object size requires Cloud Configuration Package version 2.6.2 or later. For information on upgrading from 1 MB to 16 MB object size, refer to the vendor's documentation. CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. 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. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.swiftstack.com>

SwiftStack

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Object Storage	NetBackup 8.1.1 and later Swift connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup Swift Cloud Connector - Supported Functionality section. Note: CloudCatalyst will not be supported with the Swift Cloud Connector with the next release after NetBackup 8.1.2 / NetBackup Appliance 3.1.2. Secure Socket Layer (SSL): Yes Server-side encryption: Yes. Supports v1.0, v2.0 (default), v3.0. Vendor site: <https://www.swiftstack.com>
Object Storage	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.1-3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.swiftstack.com>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Telefonica

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Open Cloud	NetBackup 8.0 and later S3 connector	No	NA Mexico, NA USA, SA Argentina, SA Brazil, SA Chile, SA Peru	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.cloud.telefonica.com/en/open-cloud/>
Open Cloud	NetBackup 8.1 and later S3 connector	No	NA Mexico, NA USA, SA Argentina, SA Brazil, SA Chile, SA Peru	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.cloud.telefonica.com/en/open-cloud/>

Telefonica

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Open Cloud	NetBackup Appliance 3.1 and later S3 connector	No	NA Mexico, NA USA, SA Argentina, SA Brazil, SA Chile, SA Peru	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path Vendor site: <https://www.cloud.telefonica.com/en/open-cloud/>

Veritas

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Veritas Access	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.2.7 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/access>

Veritas

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Veritas Access	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/access>
Veritas Access	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/access>
Veritas Access	NetBackup Appliance 3.1.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/access>

Veritas

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Veritas Access	OpenDedup 2.0 Plug-in	No	On-Premises	CloudCatalyst: No NetBackup Accelerator (for files and folders): Yes NetBackup Accelerator with VMware: Yes NetBackup Encryption Key Management Service: Yes The Datish Systems OpenDedup plug-in is available from the vendor's website. Use the link in this table . Vendor site: <https://www.veritas.com/product/software-defined-storage/access>
Veritas Access	OpenDedup 2.2 Plug-in	No	On-Premises	CloudCatalyst: No NetBackup Accelerator (for files and folders): Yes NetBackup Accelerator with VMware: Yes NetBackup Encryption Key Management Service: Yes Targeted Auto Image Replication: Yes The Datish Systems OpenDedup plug-in is available from the vendor's website. Use the link in this table . Vendor site: Whole"><https://www.veritas.com/product/software-defined-storage/access Whole> Image Optimized Duplication: Yes

Veritas

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Veritas Access 3340 Appliance	NetBackup 8.1.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/access-appliance>
Veritas Access 3340 Appliance	NetBackup Appliance 3.1.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/access-appliance>
Veritas Cognitive Object Storage	NetBackup 8.0 and later S3 connector	No	On-Premises	CloudCatalyst: No. (Support for CloudCatalyst requires NetBackup 8.1 or later.) Requires Cloud Configuration Package version 2.4.4 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/cognitive-object-storage>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Veritas

Cloud Storage Solution	NetBackup Version Containing Plug-in or Vendor-Supplied Plug-in Version	IPv6	Locales / Regions	Notes
Veritas Cognitive Object Storage	NetBackup 8.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Storage Servers have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires Cloud Configuration Package version 2.4.4 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/cognitive-object-storage>
Veritas Cognitive Object Storage	NetBackup Appliance 3.1 and later S3 connector	No	On-Premises	CloudCatalyst: Yes. CloudCatalyst Appliances have specific requirements. For details, see the NetBackup S3 Cloud Connector - Supported Functionality section. Requires NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.3 or later. Secure Socket Layer (SSL): Yes Server-side encryption: No URL style: Path (default), Virtual Hosted Vendor site: <https://www.veritas.com/product/software-defined-storage/cognitive-object-storage>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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.

Contents

OST Storage Servers - Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> . 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). 2. Where support is shown for NetBackup 5200 Series or 5300 Series Appliances it means that the OST solution is supported on appliances running versions 2.7.1 or later, unless noted otherwise. 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 "Windows Server 2016 Datacenter" it also means that the other editions of Windows Server 2016 and Windows Storage Server 2016 are supported. 6. CentOS and Oracle Linux are not supported with OpenStorage, unless noted otherwise.

Subject	Notes
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. 2. 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. **3. A Logical Storage Unit (LSU) must be configured to only one NetBackup domain. Media servers from more than one NetBackup domain configured to the same LSU is not supported.**
Operational considerations	1. Storage Servers that do not automatically increase the size of LSUs 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 dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

OST Storage Servers - Supported Functionality

The following table lists NetBackup OpenStorage functionality and indicates the NetBackup 8.x version at which that functionality was first supported. For detailed descriptions of OpenStorage functionality, see the "NetBackup OpenStorage Solutions Guide for Disk" <https://www.veritas.com/content/support/en_US/doc/59118460-127355792-0/index> .

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	NetBackup Start of Support	Notes
Accelerator (for files and folders)	Accelerator	8.0 GA	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. 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/100015771> . Accelerator is not supported with spanned Logical Storage Units (LSU).
Accelerator with NDMP	Accel_NDMP	8.0 GA	Supported with Dell EMC Isilon Scale-Out filers, and NetApp AFF, FAS, and V series filers. For more information on this feature, see the "About NetBackup Accelerator for NDMP" <https://www.veritas.com/content/support/en_US/doc/24427212-131831692-0/v99897177-131831692> . Accelerator with NDMP is not supported with spanned LSUs.
Accelerator with Hyper-V-type policies	Accel_Hyper-V	8.0 GA	If your storage server shows support for Accelerator with Hyper-V in the tables below, Veritas recommends updating your device mappings file to the current version to ensure this functionality is enabled. Accelerator with Hyper-V-type policies is not supported with spanned LSUs. Accelerator with Hyper-V-type policies is not supported with shared virtual disks and VHD sets. Accelerator with Hyper-V-type policies support requires Hyper-V Server 2016 or later. For more information on this feature, see the "Veritas NetBackup for Hyper-V Administrator's Guide" <https://www.veritas.com/support/en_US/doc/21357025-130334382-0/index> .

OpenStorage Functionality	Abbreviation	NetBackup Start of Support	Notes
Accelerator with VMware-type policies	Accel_VMware	8.0 GA	If your storage server shows support for Accelerator with VMware in the tables below, Veritas recommends updating your device mappings file to the current version to ensure this functionality is enabled. Accelerator with VMware-type policies is not supported with spanned LSUs. For more information on this feature, see the "Veritas NetBackup for VMware Administrator's Guide" <https://www.veritas.com/support/en_US/doc/21902280-133434834-0/index> .
Auto Image Replication	A.I.R.	8.0 GA	For more information on configuring Auto Image Replication, see "About the storage lifecycle policies required for Auto Image Replication" <https://www.veritas.com/content/support/en_US/doc/25074086-131900563-0/v47608990-131900563> . Veritas recommends replicating images from NetBackup 8.0 or later storage servers to target storage servers running the same NetBackup version. Replicating images between NetBackup 8.0 or later storage servers and NetBackup 7.x storage servers is supported, however, due to differences in encryption and fingerprinting methods, the additional processing required may cause performance issues and causes the replicated image data to be unencrypted while in transit. 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. **Only one media server should be configured to each target Logical Storage Unit (LSU).** **Each source and target storage server should have its credentials configured in only one NetBackup domain.**
Targeted Auto Image Replication	Targeted_A.I.R.	8.0 GA	If your storage server shows support for Targeted A.I.R. in the tables below, Veritas recommends updating your device mappings file to the current version to ensure this functionality is enabled. Veritas recommends replicating images from NetBackup 8.0 or later storage servers to target storage servers running the same NetBackup version. Replicating images between NetBackup 8.0 or later storage servers and NetBackup 7.x storage servers is supported, however, due to differences in encryption and fingerprinting methods, the additional processing required may cause performance issues and causes the replicated image data to be unencrypted while in transit. 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. **Only one media server should be configured to each target Logical Storage Unit (LSU).** **Each source and target storage server should have its credentials configured in only one NetBackup domain.** When support for Targeted A.I.R. is shown in the tables below, all replication topologies are supported, unless noted otherwise.
Direct Copy to dedicated tape drives	Direct_Copy	8.0 GA	

OpenStorage Functionality	Abbreviation	NetBackup Start of Support	Notes
Direct Copy to shared tape drives	Direct_Copy_Shared	8.0 GA	
Granular Recovery Technology	Granular_Recovery	8.0 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/100003245> and "Granular Restore Technology (GRT) support for NetBackup with 3rd-party OpenStorage Secondary Storage Solutions" <http://www.veritas.com/docs/100027093> .
Granular Recovery Technology with VMware-type policies	GRT_VMware	8.0 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/100003245> and "Granular Restore Technology (GRT) support for NetBackup with 3rd-party OpenStorage Secondary Storage Solutions" <http://www.veritas.com/docs/100027093> .
Instant Recovery for VMware	IR_VMware	8.0 GA	Support for restoring virtual machines with Instant Recovery is described in the "Veritas NetBackup for VMware Administrator's Guide" <https://www.veritas.com/support/en_US/doc/21902280-133434834-0/index> . For details on supported platforms for instant recovery restore hosts, see "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 Encryption Key Management Service	KMS	8.0 GA	In the OST Cloud vendor tables, KMS indicates that the cloud provider supports using NetBackup KMS to encrypt backups to cloud targets. In the OST Storage Servers vendor tables, KMS indicates that the plug-in supports NetBackup KMS with Direct Copy to Tape functionality.
Optimized Duplication	Opt_Dup	8.0 GA	Optimized Duplication transfers data in 256 KB chunks.
Optimized Duplication (Whole Image Copy)	WI_Opt_Dup	8.0 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	8.0 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/100013288> .

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/>

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

OST Storage Servers - Vendor Compatibility

Contents

Cleversafe

Cleversafe - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
dsNet series	V1.0	Ethernet	No		Datacenter	6

Cleversafe - Family Membership

Storage Server Family	Members
dsNet series	Accesser 2100, Accesser 3100

Datish Systems (OpenDedup)

Datish Systems (OpenDedup) - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
OpenDedup [1] [2] [3] [4] [5] [6]	OpenDedup 2.0 Plug-in	Ethernet	No	Accelerator, Accel_VMware	Yes	Yes

1. CloudCatalyst: No

2. NetBackup Accelerator (for files and folders): Yes

3. NetBackup Accelerator with VMware: Yes

4. NetBackup Encryption Key Management Service: Yes

5. Supported with Amazon AWS S3 and Microsoft Azure.

6. Vendor site: <http://www.opendedup.org>

Datish Systems (OpenDedup) - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Red Hat Enterprise Linux on x86-64
OpenDedup [1] [2] [3] [4] [5] [6] [7] [8]	OpenDedup 2.2 Plug-in	Ethernet	No	Accelerator, Accel_NDMP, Accel_VMware, Targeted_A.I.R., WI_Opt_Dup	6, 7 [10] [11] [9]

1. CloudCatalyst: No

2. NetBackup Accelerator (for files and folders): Yes

3. NetBackup Accelerator with VMware: Yes

4. NetBackup Encryption Key Management Service: Yes

5. Supported with Amazon AWS S3 and Microsoft Azure.

6. Targeted Auto Image Replication: Yes

7. Vendor site: <http://www.opendedup.org>

8. Whole Image Optimized Duplication: Yes

9. Requires Red Hat Enterprise Linux 6 Update 7 or later.

10. The Red Hat plug-in is also supported with CentOS 6.7 or later.

11. The Red Hat plug-in is also supported with CentOS 7.

Dell EMC

Dell EMC - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	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	No	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [2]	Datacenter [2]	6	11
DR2000v [1]	3.2	Ethernet	No	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [2]	Datacenter [2]	6	11
DR Series	3.0	Ethernet	No	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition [2]	Datacenter [2]	5, 6	11
DR Series	3.1	Ethernet	No	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [2]	Datacenter [2]	6	11
DR Series	3.2	Ethernet	No	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [2]	Datacenter [2]	6	11

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

2. Requires a force install on Windows platforms. Contact Dell EMC for instructions.

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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
Appliance series [1]	3.2	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [1]	3.2	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Appliance series [2]	3.3	Ethernet	No	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 [2] [3]	3.3	Fibre Channel	No	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 [2] [4]	3.4	Ethernet	Yes	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 [2] [3] [4]	3.4	Fibre Channel	Yes	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 [2] [4]	3.5	Ethernet	Yes	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 [2] [3] [4]	3.5	Fibre Channel	Yes	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 [2] [4]	7.0	Ethernet	Yes	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 [2] [3] [4]	7.0	Fibre Channel	Yes	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 [2] [4]	7.2	Ethernet	Yes	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
Appliance series [2] [3] [4]	7.2	Fibre Channel	Yes	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
Appliance series [2] [4]	7.3	Ethernet	Yes	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

Dell EMC Data Domain - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
Appliance series [2] [3] [4]	7.3	Fibre Channel	Yes	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
DDX Array series [1]	3.2	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [1]	3.2	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DDX Array series [2]	3.3	Ethernet	No	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 [2] [3]	3.3	Fibre Channel	No	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 [2] [4]	3.4	Ethernet	Yes	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 [2] [3] [4]	3.4	Fibre Channel	Yes	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]	3.2	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [1]	3.2	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Gateway series [2]	3.3	Ethernet	No	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 [2] [3]	3.3	Fibre Channel	No	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 [2] [4]	3.4	Ethernet	Yes	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 [2] [3] [4]	3.4	Fibre Channel	Yes	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 [1]	3.2	Ethernet	No	Opt_Dup	Yes	Yes
Global Deduplication Array series [1]	3.2	Fibre Channel	No	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.3	Ethernet	No	Opt_Dup	Yes	Yes
Global Deduplication Array series	3.3	Fibre Channel	No	Opt_Dup	Yes	Yes

Dell EMC Data Domain - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
Global Deduplication Array series [4]	3.4	Ethernet	Yes	Opt_Dup	Yes	Yes
Global Deduplication Array series [4]	3.4	Fibre Channel	Yes	Opt_Dup	Yes	Yes
Virtual Edition (VMware) [1] [5]	3.2	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
Virtual Edition (VMware) [2] [5]	3.3	Ethernet	No	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) [2] [4] [5]	3.4	Ethernet	Yes	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) [2] [4] [5]	3.5	Ethernet	Yes	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) [2] [4] [5]	7.0	Ethernet	Yes	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) [2] [4] [5]	7.2	Ethernet	Yes	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
Virtual Edition (VMware) [2] [4] [5]	7.3	Ethernet	Yes	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

1. For a fresh install or reinstall with NetBackup 8.0, please obtain the latest version of this plug-in from the vendor.

2. Targeted A.I.R. is supported in One-to-One, One-to-Many, and Many-to-One configurations.

3. When running Targeted A.I.R. over Fibre Channel, Windows is only supported as a target domain.

4. IPv6 is supported with NetBackup 8.1.1 and later.

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 - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Appliance series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12
Appliance series [1]	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Appliance series [1]	3.2	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Appliance series [1]	3.2	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Appliance series [4]	3.3	Ethernet	No	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	No	6, 7 [3]	11, 12
Appliance series [4] [5]	3.3	Fibre Channel	No	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	No	6, 7 [3]	11, 12
Appliance series [4] [6]	3.4	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
Appliance series [4] [5] [6]	3.4	Fibre Channel	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	Datacenter	6, 7	11, 12
Appliance series [4] [6]	3.5	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
Appliance series [4] [5] [6]	3.5	Fibre Channel	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12

Dell EMC Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Appliance series [4] [6]	7.0	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
Appliance series [4] [5] [6]	7.0	Fibre Channel	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
Appliance series [4] [6]	7.2	Ethernet	Yes	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	No	Datacenter	Datacenter	6, 7	11, 12
Appliance series [4] [5] [6]	7.2	Fibre Channel	Yes	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	No	Datacenter	Datacenter	6, 7	11, 12
Appliance series [4] [6]	7.3	Ethernet	Yes	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	No	Datacenter	Datacenter	6, 7	11, 12
Appliance series [4] [5] [6]	7.3	Fibre Channel	Yes	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	No	Datacenter	Datacenter	6, 7	11, 12
DDX Array series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12
DDX Array series [1]	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
DDX Array series [1]	3.2	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
DDX Array series [1]	3.2	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12

Dell EMC Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DDX Array series [4]	3.3	Ethernet	No	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	No	6, 7 [3]	11, 12
DDX Array series [4] [5]	3.3	Fibre Channel	No	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	No	6, 7 [3]	11, 12
DDX Array series [4] [6]	3.4	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
DDX Array series [4] [5] [6]	3.4	Fibre Channel	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	Datacenter	6, 7	11, 12
Gateway series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12
Gateway series [1]	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Gateway series [1]	3.2	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Gateway series [1]	3.2	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Gateway series [4]	3.3	Ethernet	No	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	No	6, 7 [3]	11, 12
Gateway series [4] [5]	3.3	Fibre Channel	No	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	No	6, 7 [3]	11, 12

Dell EMC Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Gateway series [4] [6]	3.4	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
Gateway series [4] [5] [6]	3.4	Fibre Channel	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	Datacenter	6, 7	11, 12
Global Deduplication Array series [1]	3.1	Ethernet	No	Opt_Dup	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12
Global Deduplication Array series [1]	3.1	Fibre Channel	No	Opt_Dup	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Global Deduplication Array series [1]	3.2	Ethernet	No	Opt_Dup	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Global Deduplication Array series [1]	3.2	Fibre Channel	No	Opt_Dup	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Global Deduplication Array series	3.3	Ethernet	No	Opt_Dup	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Global Deduplication Array series	3.3	Fibre Channel	No	Opt_Dup	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
Global Deduplication Array series [6]	3.4	Ethernet	Yes	Opt_Dup	No	Datacenter	Datacenter	6, 7	11, 12
Global Deduplication Array series [6]	3.4	Fibre Channel	Yes	Opt_Dup	No	Datacenter	Datacenter	6, 7	11, 12

Dell EMC Data Domain - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Virtual Edition (VMware) [1] [7]	3.2	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
Virtual Edition (VMware) [4] [7]	3.3	Ethernet	No	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	No	6, 7	11, 12
Virtual Edition (VMware) [4] [6] [7]	3.4	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
Virtual Edition (VMware) [4] [6] [7]	3.5	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
Virtual Edition (VMware) [4] [6] [7]	7.0	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12
Virtual Edition (VMware) [4] [6] [7]	7.2	Ethernet	No	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	No	Datacenter	Datacenter	6, 7	11, 12
Virtual Edition (VMware) [4] [6] [7]	7.3	Ethernet	No	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	No	Datacenter	Datacenter	6, 7	11, 12

1. For a fresh install or reinstall with NetBackup 8.0, please obtain the latest version of this plug-in from the vendor.

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. Targeted A.I.R. is supported in One-to-One, One-to-Many, and Many-to-One configurations.

5. When running Targeted A.I.R. over Fibre Channel, Windows is only supported as a target domain.

6. IPv6 is supported with NetBackup 8.1.1 and later.

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	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Appliance series [1]	3.1	Ethernet	No	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 [1]	3.1	Fibre Channel	No	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
Appliance series [1]	3.2	Ethernet	No	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 [1]	3.2	Fibre Channel	No	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 [2]	3.3	Ethernet	No	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 [2] [3]	3.3	Fibre Channel	No	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 [2] [4]	3.4	Ethernet	Yes	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 [2] [3] [4]	3.4	Fibre Channel	Yes	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 [2] [4]	3.5	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	10, 11	10, 11
Appliance series [2] [3] [4]	3.5	Fibre Channel	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	10, 11	10, 11
Appliance series [2] [4]	7.0	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	10, 11	10, 11
Appliance series [2] [3] [4]	7.0	Fibre Channel	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	10, 11	10, 11
Appliance series [2] [4]	7.2	Ethernet	Yes	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	No	No	10, 11	10, 11

Dell EMC Data Domain - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Appliance series [2] [3] [4]	7.2	Fibre Channel	Yes	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	No	No	10, 11	10, 11
Appliance series [2] [4]	7.3	Ethernet	Yes	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	No	No	10, 11	10, 11
Appliance series [2] [3] [4]	7.3	Fibre Channel	Yes	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	No	No	10, 11	10, 11
DDX Array series [1]	3.1	Ethernet	No	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 [1]	3.1	Fibre Channel	No	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 [1]	3.2	Ethernet	No	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 [1]	3.2	Fibre Channel	No	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 [2]	3.3	Ethernet	No	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 [2] [3]	3.3	Fibre Channel	No	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 [2] [4]	3.4	Ethernet	Yes	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 [2] [3] [4]	3.4	Fibre Channel	Yes	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]	3.1	Ethernet	No	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 [1]	3.1	Fibre Channel	No	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 [1]	3.2	Ethernet	No	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

Dell EMC Data Domain - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Gateway series [1]	3.2	Fibre Channel	No	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 [2]	3.3	Ethernet	No	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 [2] [3]	3.3	Fibre Channel	No	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 [2] [4]	3.4	Ethernet	Yes	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 [2] [3] [4]	3.4	Fibre Channel	Yes	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 [1]	3.1	Ethernet	No	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series [1]	3.1	Fibre Channel	No	Opt_Dup	6.1, 7.1	No	No	No
Global Deduplication Array series [1]	3.2	Ethernet	No	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series [1]	3.2	Fibre Channel	No	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series	3.3	Ethernet	No	Opt_Dup	6.1, 7.1	11.31	10, 11	10, 11
Global Deduplication Array series	3.3	Fibre Channel	No	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 [4]	3.4	Ethernet	Yes	Opt_Dup	7.1, 7.2	11.31	10, 11	10, 11
Global Deduplication Array series [4]	3.4	Fibre Channel	Yes	Opt_Dup	7.1, 7.2	11.31	10, 11	10, 11
Virtual Edition (VMware) [1] [5]	3.2	Ethernet	No	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) [2] [5]	3.3	Ethernet	No	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Dell EMC Data Domain - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
Virtual Edition (VMware) [2] [4] [5]	3.4	Ethernet	Yes	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
Virtual Edition (VMware) [2] [4] [5]	3.5	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	10, 11	10, 11
Virtual Edition (VMware) [2] [4] [5]	7.0	Ethernet	Yes	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	10, 11	10, 11
Virtual Edition (VMware) [2] [4] [5]	7.2	Ethernet	Yes	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	No	No	10, 11	10, 11
Virtual Edition (VMware) [2] [4] [5]	7.3	Ethernet	Yes	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	No	No	10, 11	10, 11

1. For a fresh install or reinstall with NetBackup 8.0, please obtain the latest version of this plug-in from the vendor.

2. Targeted A.I.R. is supported in One-to-One, One-to-Many, and Many-to-One configurations.

3. When running Targeted A.I.R. over Fibre Channel, Windows is only supported as a target domain.

4. IPv6 is supported with NetBackup 8.1.1 and later.

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	DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD6900, DD7200, DD9300, DD9400, DD9500, DD9800, DD9900
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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
EX series [1]	V11.4.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes

1. Accelerator support requires ExaGrid software version 5.2.2 or later.

ExaGrid - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64
EX series	V10.3.0	Ethernet	No	Granular_Recovery, Opt_Dup, Opt_Synth	Enterprise Edition	No	No	5, 6
EX series [1]	V11.4.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	5, 6, 7
EX series [1] [2]	V11.4.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	Datacenter	No

1. Accelerator support requires ExaGrid software version 5.2.2 or later.

2. Targeted A.I.R. is supported in One-to-One, One-to-Many, and Many-to-One configurations.

ExaGrid - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
EX series	V10.3.0	Ethernet	No	Granular_Recovery, Opt_Dup, Opt_Synth	No	10
EX series [1]	V11.4.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
EX series [1] [2]	V11.4.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	10, 11

1. Accelerator support requires ExaGrid software version 5.2.2 or later.

2. Targeted A.I.R. is supported in One-to-One, One-to-Many, and Many-to-One configurations.

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, EX63000E-SEC

FalconStor

FalconStor - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
Virtual Tape Library (VTL) series	9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
Virtual Tape Library (VTL) series	9	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes

FalconStor - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Virtual Tape Library (VTL) series	9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
Virtual Tape Library (VTL) series	9	Fibre Channel	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

FalconStor - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
Virtual Tape Library (VTL) series	9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	10, 11
Virtual Tape Library (VTL) series	9	Fibre Channel	No	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

FalconStor - Family Membership

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

Fujitsu

Fujitsu - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
ETERNUS CS800 ENTERPRISE	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 ENTRY	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S3	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S4	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S4	10.0	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S5	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S5	10.0	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S6	3.1	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S6	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 S7	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
ETERNUS CS800 SCALE	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, 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	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS800 ENTERPRISE	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	Datacenter	6, 7	11, 12
ETERNUS CS800 ENTRY	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Datacenter	Datacenter	6, 7	11, 12
ETERNUS CS800 S3	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
ETERNUS CS800 S3	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
ETERNUS CS800 S4	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
ETERNUS CS800 S4	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
ETERNUS CS800 S4	10.0	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
ETERNUS CS800 S5	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
ETERNUS CS800 S5	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
ETERNUS CS800 S5	10.0	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
ETERNUS CS800 S6	3.1	Ethernet	No	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	No	6, 7	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Fujitsu - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS800 S6	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
ETERNUS CS800 S7	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
ETERNUS CS800 SCALE	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Datacenter	Datacenter	6, 7	11, 12
ETERNUS CS8000 series	1.0	Ethernet	No	Opt_Dup	No	No	No	6, 7	11, 12
ETERNUS CS8000 series	1.1	Ethernet	No	Opt_Dup	Enterprise Edition	Datacenter	No	6, 7	11, 12

Fujitsu - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
ETERNUS CS800 S3	2.9	Ethernet	No	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	No	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	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11

Fujitsu - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
ETERNUS CS800 S6	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
ETERNUS CS800 S7	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, KMS, Opt_Dup, Opt_Synth	7.1, 7.2	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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
CP3310	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
CP3310 [1] [2]	4.0	Ethernet	No	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	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
CP3352	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
CP3352 [1] [2]	4.0	Ethernet	No	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	No	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	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
CP3354	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
CP3354 [1] [2]	4.0	Ethernet	No	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	No	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	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
CP5510	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
CP5510 [1] [2]	4.0	Ethernet	No	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

H3C - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
CP5510 [1] [2] [3]	4.0	Fibre Channel	No	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]	4.0	Ethernet	No	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	No	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	No	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	No	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	IPv6	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	No	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	No	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	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	6, 7	11, 12

H3C - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	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	3.1	Fibre Channel	No	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	No	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 [1] [2] [3]	4.0	Fibre Channel	No	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	No	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	No	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	No	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	No	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	No	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	No	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	No	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	No	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]

H3C - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	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
CP5550 [1] [2]	4.0	Ethernet	No	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	No	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	No	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	No	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	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
CP3310	3.1	Ethernet	No	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	No	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	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
CP3352	3.1	Ethernet	No	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	No	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	No	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	No	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	No	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	No	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	No	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	No	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	No	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	No	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	No	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 [1] [2] [3]	4.0	Fibre Channel	No	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	No	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	No	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	No	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

H3C - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
CP6660 [1] [2] [3]	4.0	Fibre Channel	No	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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
StoreOnce 2000 series [1]	3.1	Ethernet	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	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	No	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	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
StoreOnce 4000 series [1] [5]	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 4000 series [2] [3]	4.0	Ethernet	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	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	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 5000 series [2] [3]	4.0	Ethernet	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	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	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Yes	Yes
StoreOnce 6000 series [2] [3]	4.0	Ethernet	No	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	No	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	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, 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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
StoreOnce 6000 series [3] [4]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Yes	Yes
StoreOnce VSA (VMware) [2] [3] [7]	4.0	Ethernet	No	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] [7]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, 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.100009391>

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	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
D2D2500 G2 Backup System	1.1	Ethernet	No	Opt_Dup	Enterprise Edition	No	No	No	No

Hewlett Packard Enterprise - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
D2D2500 G2 Backup System	1.2	Ethernet	No	Opt_Dup	Enterprise Edition	No	No	5, 6	11
D2D4100 G2 Backup System	1.1	Ethernet	No	Opt_Dup	Enterprise Edition	No	No	No	No
D2D4100 G2 Backup System	1.2	Ethernet	No	Opt_Dup	Enterprise Edition	No	No	5, 6	11
D2D4300 G2 Backup System	1.1	Ethernet	No	Opt_Dup	Enterprise Edition	No	No	No	No
D2D4300 G2 Backup System	1.2	Ethernet	No	Opt_Dup	Enterprise Edition	No	No	5, 6	11
StoreOnce 2000 series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12
StoreOnce 2000 series [4] [5]	4.0	Ethernet	No	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	No	6, 7	11, 12
StoreOnce 2000 series [5] [6]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce 3000 series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
StoreOnce 3000 series [4] [5]	4.0	Ethernet	No	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	No	6, 7	11, 12
StoreOnce 3000 series [5] [6]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12

Hewlett Packard Enterprise - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
StoreOnce 3500/3600 series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
StoreOnce 3500/3600 series [1] [8]	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12 [9]
StoreOnce 3500/3600 series [4] [5]	4.0	Ethernet	No	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	No	6, 7	11, 12
StoreOnce 3500/3600 series [10] [4] [5]	4.0	Fibre Channel	No	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	No	6, 7	11, 12 [9]
StoreOnce 3500/3600 series [5] [6]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce 3500/3600 series [5] [6]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce 4000 series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12
StoreOnce 4000 series [1] [8]	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12 [9]
StoreOnce 4000 series [4] [5]	4.0	Ethernet	No	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	No	6, 7	11, 12
StoreOnce 4000 series [10] [4] [5]	4.0	Fibre Channel	No	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	No	6, 7	11, 12

Hewlett Packard Enterprise - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
StoreOnce 4000 series [5] [6]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce 4000 series [5] [6]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce 5000 series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12
StoreOnce 5000 series [1] [8]	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	6, 7 [3]	11, 12 [9]
StoreOnce 5000 series [4] [5]	4.0	Ethernet	No	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	No	6, 7	11, 12
StoreOnce 5000 series [10] [4] [5]	4.0	Fibre Channel	No	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	No	6, 7	11, 12
StoreOnce 5000 series [5] [6]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce 5000 series [5] [6]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce 6000 series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12
StoreOnce 6000 series [1] [8]	3.1	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12 [9]

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Hewlett Packard Enterprise - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
StoreOnce 6000 series [4] [5]	4.0	Ethernet	No	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	No	6, 7	11, 12
StoreOnce 6000 series [10] [4] [5]	4.0	Fibre Channel	No	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	No	6, 7	11, 12
StoreOnce 6000 series [5] [6]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce 6000 series [5] [6]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce VSA (Hyper-V) [5] [6]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [7]	11, 12
StoreOnce VSA (VMware) [1] [11]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	Enterprise Edition	Datacenter	No	5, 6, 7 [2] [3]	11, 12
StoreOnce VSA (VMware) [11] [4] [5]	4.0	Ethernet	No	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	No	6, 7	11, 12
StoreOnce VSA (VMware) [11] [5] [6]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	No	Datacenter	Datacenter	6, 7 [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.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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.100009391>

7. The Red Hat plug-in is also supported with CentOS 7.

8. Targeted A.I.R. support over Fibre Channel requires plug-in version 3.1.2 or later.

9. 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.

10. Optimized Duplication and Whole Image Optimized Duplication over Fibre Channel support requires StoreOnce software version 3.16 or later.

11. 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	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
D2D2500 G2 Backup System	1.2	Ethernet	No	Opt_Dup	No	11.31	10
D2D4100 G2 Backup System	1.2	Ethernet	No	Opt_Dup	No	11.31	10
D2D4300 G2 Backup System	1.2	Ethernet	No	Opt_Dup	No	11.31	10
StoreOnce 2000 series [1]	3.1	Ethernet	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce 3000 series [1]	3.1	Ethernet	No	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	No	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	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
StoreOnce 3000 series [3] [4]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce 3500/3600 series [1]	3.1	Ethernet	No	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	No	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	No	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	No	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 [3] [4]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce 3500/3600 series [3] [4]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce 4000 series [1]	3.1	Ethernet	No	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	No	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	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce 4000 series [3] [4]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Hewlett Packard Enterprise - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
StoreOnce 5000 series [1]	3.1	Ethernet	No	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	No	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	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce 5000 series [3] [4]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce 6000 series [1]	3.1	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Targeted_A.I.R.	6.1, 7.1	11.31	10, 11
StoreOnce 6000 series [1] [5]	3.1	Fibre Channel	No	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	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce 6000 series [3] [4]	4.2	Fibre Channel	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11
StoreOnce VSA (Hyper-V) [3] [4]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	11.31	11

Hewlett Packard Enterprise - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
StoreOnce VSA (VMware) [1] [7]	3.1	Ethernet	No	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] [7]	4.0	Ethernet	No	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] [7]	4.2	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Targeted_A.I.R., WI_Opt_Dup	6.1, 7.1, 7.2	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.100009391>

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

Hewlett Packard Enterprise - Family Membership

Storage Server Family	Members
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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
Protection Platform S-Series	8.1	Ethernet	No	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	No	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	IPv6	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	No		Enterprise Edition	No	5	No
HCO 212	HCO Adapter 2.2	Ethernet	No		Enterprise Edition	Datacenter [2]	No	No
HUS 100 series	OpenStorage Connector 1.0	Fibre Channel	No	Opt_Dup	Enterprise Edition	No	5	No
HUS 100 series	OpenStorage Connector 1.2	Fibre Channel	No	A.I.R., Opt_Dup	Enterprise Edition	No	No	No
Protection Platform S-Series	7.3	Ethernet	No	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]	11
Protection Platform S-Series	7.3	Fibre Channel	No	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]	11

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Hitachi - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	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	No	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	No	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	No	Opt_Dup	Enterprise Edition	No	5	No
SMS/AMS2000 series	OpenStorage Connector 1.2	Fibre Channel	No	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	IPv6	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
Protection Platform S-Series	7.3	Ethernet	No	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	No	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	No	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	IPv6	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
Protection Platform S-Series	8.1	Fibre Channel	No	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

Huawei

Huawei - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Red Hat Enterprise Linux on x86-64
VTL	2.1	Fibre Channel	No	Direct_Copy_Shared, Opt_Dup	Enterprise Edition	5

Huawei - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC	Solaris on x86-64
VTL	2.1	Fibre Channel	No	Direct_Copy_Shared, Opt_Dup	6.1	10	10

Huawei - Family Membership

Storage Server Family	Members
VTL	VTL3500, VTL6000

Infinidat

Infinidat - Support with NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
InfiniGuard B-series	10.0	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes

Infinidat - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
InfiniGuard B-series	10.0	Ethernet	No	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	Datacenter	6, 7	11, 12

Infinidat - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Solaris on SPARC
InfiniGuard B-series	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	10, 11

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	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.6.1	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	No	No	5, 6	11
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.7	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	No	No	5, 6	11
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.8	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.9	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	No
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.10	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	No
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.11	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	5, 6	12
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.6.1	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	No	No	5, 6	11
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.7	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	No	No	5, 6	11

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NEC - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.8	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.9	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	No
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.10	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	No
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.11	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	12
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.6.1	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	No	No	5, 6	11
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.7	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	No	No	5, 6	11
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.8	Ethernet	No	Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.9	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	No

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Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NEC - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.10	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	No
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.11	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	12
HYDRAstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen) [1]	2.11	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	12
HYDRAstor HS Virtual Appliance, iStorage HS Virtual Appliance, iStorage HS Lite, and NEC Storage HS Virtual Appliance [1]	2.11	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	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	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.6.1	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.7	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11

NEC - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen)	2.8	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.9	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.10	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (2nd Gen) and iStorage HS3 and HS8 (2nd Gen) [1]	2.11	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.6.1	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.7	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen)	2.8	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.9	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.10	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (3rd Gen), iStorage HS3 and HS8 (3rd Gen) and NEC Storage HS3 (3rd Gen) [1]	2.11	Ethernet	No	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
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.6.1	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.7	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NEC - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen)	2.8	Ethernet	No	Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.9	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.10	Ethernet	No	A.I.R., Opt_Dup, Opt_Synth	No	11.31	10, 11
HYDRAstor HS3 and HS8 (4th Gen), iStorage HS3 and HS8 (4th Gen) and NEC Storage HS3 and HS8 (4th Gen) [1]	2.11	Ethernet	No	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
HYDRAstor HS3 and HS8 (5th Gen), iStorage HS3 and HS8 (5th Gen) and NEC Storage HS3 and HS8 (5th Gen) [1]	2.11	Ethernet	No	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
HYDRAstor HS Virtual Appliance, iStorage HS Virtual Appliance, iStorage HS Lite, and NEC Storage HS Virtual Appliance [1]	2.11	Ethernet	No	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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
AltaVault [1]	1.2	Ethernet	No	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	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Red Hat Enterprise Linux on x86-64
AltaVault [1]	1.2	Ethernet	No	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	IPv6	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	No	Opt_Dup	Enterprise Edition	Datacenter	5, 6	11
ZFS Storage Appliance series	1.1	Ethernet	No	Opt_Dup	No	No	6, 7	11, 12
ZFS Storage Appliance series	1.1	Fibre Channel	No	Opt_Dup	No	No	6, 7	11, 12
ZFS Storage Appliance series [1]	2.0	Ethernet	No	Opt_Dup	No	Datacenter	6, 7	11, 12
ZFS Storage Appliance series [1]	2.0	Fibre Channel	No	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	IPv6	Supported OpenStorage Functionality	Solaris on SPARC	Solaris on x86-64
ZFS Storage Appliance series	1.0	Ethernet	No	Opt_Dup	10, 11	10
ZFS Storage Appliance series	1.1	Ethernet	No	Opt_Dup	11	11
ZFS Storage Appliance series	1.1	Fibre Channel	No	Opt_Dup	11	11
ZFS Storage Appliance series [1]	2.0	Ethernet	No	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 7430, 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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
DXi4000 Series	3.1	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DXi4000 Series	10.0	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DXi4700 Series [1]	3.1	Ethernet	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi4800 Series [2] [3] [4]	10.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
DXi6000 Series [5]	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6000 Series [5]	10.0	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6700 Series	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi6700 Series	10.0	Ethernet	No	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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, 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	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, 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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
DXi6900 Series [2] [3] [6]	10.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
DXi8500 Series	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi8500 Series	10.0	Ethernet	No	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	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Yes	Yes
DXi9000 Series [2] [3] [4]	10.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes
DXi V Series [7]	3.1	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DXi V Series [7]	10.0	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Yes	Yes
DXi V Series [2] [3] [4] [7]	10.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Yes	Yes

1. Accelerator support requires DXi Software 3.1 or later.

2. 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.100009391>

3. Targeted A.I.R. is supported in One-to-One, Many-to-One, and Cascading A.I.R. configurations.

4. Targeted A.I.R. support requires DXi Software 4.1 or later.

5. The Direct Copy to shared tape drives feature (Direct_Copy_Shared) is supported on the DXi6540 and DXi6550 models.

6. Targeted A.I.R. support requires DXi Software 3.4.0.5 or later.

7. 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	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi4000 Series	2.9	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	No	6	11
DXi4000 Series	3.0	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6, 7	11, 12
DXi4000 Series	3.1	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
DXi4000 Series	10.0	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi4700 Series [1]	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
DXi4700 Series [1] [2]	3.0	Ethernet	No	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	No	5, 6	No
DXi4700 Series [2]	3.1	Ethernet	No	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	No	6, 7	11, 12
DXi4700 Series [2]	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi4800 Series [2]	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12

Quantum - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi4800 Series [3] [4] [5]	10.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	7	12
DXi6000 Series [6]	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	No	Datacenter	No	6	11
DXi6000 Series [6]	3.0	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6, 7	11, 12
DXi6000 Series [6]	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
DXi6000 Series [6]	10.0	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi6700 Series	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
DXi6700 Series	3.0	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6, 7	11, 12
DXi6700 Series	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
DXi6700 Series	10.0	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi6800 Series	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11

Quantum - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi6800 Series [2]	3.0	Ethernet	No	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	No	5, 6	No
DXi6800 Series [2]	3.1	Ethernet	No	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	No	6, 7	11, 12
DXi6800 Series [2]	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi6900 Series [1]	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
DXi6900 Series [2]	3.0	Ethernet	No	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	No	5, 6	No
DXi6900 Series [2]	3.1	Ethernet	No	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	No	6, 7	11, 12
DXi6900 Series [2]	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi6900 Series [3] [4] [7]	10.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	7	12

Quantum - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi8500 Series	2.9	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6	11
DXi8500 Series	3.0	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6, 7	11, 12
DXi8500 Series	3.1	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
DXi8500 Series	10.0	Ethernet	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi9000 Series [2]	10.0	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi9000 Series [3] [4] [5]	10.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	7	12
DXi V Series [8]	2.9	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	No	6	11
DXi V Series [8]	3.0	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	5, 6, 7	11, 12
DXi V Series [8]	3.1	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11, 12
DXi V Series [8]	10.0	Ethernet	No	A.I.R., Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12

Quantum - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi V Series [3] [4] [5] [8]	10.1	Ethernet	No	A.I.R., Accelerator, Accel_Hyper-V, Accel_NDMP, Accel_VMware, Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	7	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. 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.100009391>

4. Targeted A.I.R. is supported in One-to-One, Many-to-One, and Cascading A.I.R. configurations.

5. Targeted A.I.R. support requires DXi Software 4.1 or later.

6. The Direct Copy to shared tape drives feature (Direct_Copy_Shared) is supported on the DXi6540 and DXi6550 models.

7. Targeted A.I.R. support requires DXi Software 3.4.0.5 or later.

8. 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	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DXi4000 Series	2.9	Ethernet	No	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	No	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	No	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	IPv6	Supported OpenStorage Functionality	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
DXi6000 Series [2]	2.9	Ethernet	No	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	No	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	No	A.I.R., Direct_Copy_Shared, Granular_Recovery, GRT_VMware, IR_VMware, KMS, Opt_Dup, Opt_Synth	6.1, 7.1	11.31	10, 11	10, 11
DXi6900 Series [1]	2.9	Ethernet	No	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	No	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	No	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	No	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, DXi4801
DXi6000 Series	DXi6510, DXi6520, DXi6530, DXi6540, DXi6550

Quantum - Family Membership

Storage Server Family	Members
DXi6700 Series	DXi6700, DXi6701, DXi6702
DXi6800 Series	DXi6802
DXi6900 Series	DXi6900, DXi6900-S
DXi8500 Series	DXi8500, DXi8500 2TB, DXi8500 3TB
DXi9000 Series	DXi9000, DXi9100
DXi V Series	DXi V1000, DXi V2000, DXi V4000

Quest

Quest - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DR 13g Series	4.0	Ethernet	No	Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	Datacenter	No	6, 7	11
QoreStor [1]	4.1	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	No	Datacenter	Datacenter	6, 7 [2]	11

1. A.I.R. support requires QoreStor SDS 6.1 storage server software.

2. A.I.R. is supported with this media server platform.

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	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
S2100	8.1	Ethernet	No	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	No	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	IPv6	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	No	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	Datacenter	5, 6 [2] [3]	11
S2100	7.1	Fibre Channel	No	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	No	5, 6 [2] [3]	11
S2100	7.2	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	Datacenter	5, 6 [2] [3]	11
S2100	7.2	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	Enterprise Edition [1]	Datacenter	5, 6 [2] [3]	11
S2100	7.3	Ethernet	No	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]	11
S2100	7.3	Fibre Channel	No	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]	11

SEPATON - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	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	No	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	No	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	IPv6	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
S2100	7.1	Ethernet	No	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100	7.1	Fibre Channel	No	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100	7.2	Ethernet	No	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	No	A.I.R., Accelerator, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth	6.1, 7.1	10, 11
S2100	7.3	Ethernet	No	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	No	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	No	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 - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	AIX on POWER	Solaris on SPARC
S2100	8.1	Fibre Channel	No	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 NetBackup Appliance

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	5200 Series	5300 Series
Veritas Access [1] [2] [3] [4] [5] [6]	OpenDedup 2.0 Plug-in	Ethernet	No	Accelerator, Accel_VMware	Yes	Yes

1. CloudCatalyst: No

2. NetBackup Accelerator (for files and folders): Yes

3. NetBackup Accelerator with VMware: Yes

4. NetBackup Encryption Key Management Service: Yes

5. The Datish Systems OpenDedup plug-in is available from the vendor's website. Use the link in this table .

6. Vendor site: <https://www.veritas.com/product/software-defined-storage/access>

Veritas - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
NetBackup 5000	NetBackup 7.7 and later	Ethernet	No	Accelerator, Accel_VMware, Opt_Dup, Opt_Synth	Enterprise Edition	No	No	5	No
NetBackup 5020 [1]	NetBackup 7.7 and later	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	No	No	5	No
NetBackup 5020 (FC) [1] [2]	NetBackup 7.7 and later	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	No	5	No

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Veritas - Support with Windows / Linux

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
NetBackup 5030	NetBackup 7.7 and later	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	Enterprise Edition	No	No	5	No
NetBackup 5030 (FC)	NetBackup 7.7 and later	Fibre Channel	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	No	No	5	No
Veritas Access [10] [3] [4] [5] [6] [7] [8] [9]	OpenDedup 2.2 Plug-in	Ethernet	No	Accelerator, Accel_NDMP, Accel_VMware, Targeted_A.I.R., WI_Opt_Dup	No	No	No	6, 7	No
Veritas Access 3340 Appliance	NetBackup 8.0 and later	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	Datacenter	Datacenter	6, 7	11, 12

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.

3. CloudCatalyst: No

4. NetBackup Accelerator (for files and folders): Yes

5. NetBackup Accelerator with VMware: Yes

6. NetBackup Encryption Key Management Service: Yes

7. Targeted Auto Image Replication: Yes

8. The Datish Systems OpenDedup plug-in is available from the vendor's website. Use the link in this table .

9. Vendor site: <https://www.veritas.com/product/software-defined-storage/access>

10. Whole Image Optimized Duplication: Yes

Veritas - Support with UNIX

Storage Server Family	Plug-in	Data Interface	IPv6	Supported OpenStorage Functionality	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
NetBackup 5000	NetBackup 7.7 and later	Ethernet	No	Accelerator, Accel_VMware, Opt_Dup, Opt_Synth	No	10	No
NetBackup 5020 [1]	NetBackup 7.7 and later	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	10	No
NetBackup 5030	NetBackup 7.7 and later	Ethernet	No	A.I.R., Accelerator, Accel_VMware, Granular_Recovery, GRT_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	No	10	No
Veritas Access 3340 Appliance	NetBackup 8.0 and later	Ethernet	No	A.I.R., Accelerator, Accel_NDMP, Accel_VMware, Granular_Recovery, GRT_VMware, IR_VMware, Opt_Dup, Opt_Synth, Targeted_A.I.R.	11.31	10, 11	10, 11

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

Virtual Tape Libraries

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

Contents

Virtual Tape Libraries/Drives - Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> .
	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 TSAnet.
	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 "Windows Server 2016 Datacenter" it also means that the other editions of Windows Server 2016 and Windows Storage Server 2016 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.
Vendor support considerations	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	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. AIX media servers being used for robotic control may use one of the alternate emulated strings listed below. 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 "About NDMP DirectCopy" <https://www.veritas.com/content/support/en_US/doc/24427212-131831692-0/id-SF940150907-131831692> .
OS library and tape driver considerations	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.
Operational considerations	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 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 dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

Virtual Tape Libraries/Drives - Tape Drive Emulation Attributes

The following table lists attributes supported with Virtual Tape Libraries and indicates the NetBackup 8.x version at which that attribute was first supported.

Attribute	Abbreviation	NetBackup 8.x Start of Support
NDMP Direct Copy with VTL, physical tape drives used with this feature must be dedicated to the VTL.	DirCpy_Ded	8.0 GA
NDMP Direct Copy with VTL, physical tape drives used with this feature can be shared using NetBackup Shared Storage Option (SSO).	DirCpy_Shr	8.0 GA
SCSI Reservation	SResv	8.0 GA
SCSI Persistent Reservation	SPR	8.0 GA
Write Once, Read Many	WORM	8.0 GA
NetBackup Encryption Key Management Service	KMS	8.0 GA
Append-only mode	Append	8.0 GA

Virtual Tape Libraries/Drives - NetBackup Robot Types

Most Virtual Tape Libraries use the NetBackup robot type TLD. The following table lists operating system platform support for TLD robots. For supported OS versions, refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> .

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" <https://www.veritas.com/content/support/en_US/doc/23395442-133128031-0/index> .

TLD - Tape Library DLT

Operating System	NetBackup 8.x Start of Support
AIX on POWER	8.0 GA - Note: Use of the IBM Atape driver is required with IBM libraries. The Atape driver's multi-path feature must be disabled.
HP-UX on IA64	8.0 GA
NDMP	8.0 GA
Red Hat Enterprise Linux on x86-64	8.0 GA
Red Hat Enterprise Linux on zArch	8.0 GA
Solaris on SPARC	8.0 GA
Solaris on x64	8.0 GA
SUSE Linux Enterprise Server on x86-64	8.0 GA
SUSE Linux Enterprise Server on zArch	8.0 GA
Windows Server 2008 x64	8.0 GA
Windows Server 2012 x64	8.0 GA
Windows Server 2016 x64	8.0 GA

Virtual Tape Libraries/Drives - Vendor Compatibility

Contents

Amazon	Dell EMC	Dell EMC Data Domain
FalconStor	Fujitsu	H3C
Hewlett Packard Enterprise	Hitachi	Huawei
IBM	Infinidat	NEC
Oracle	Quantum	Quest
SEPATON	Spectra Logic	Tandberg

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	Windows Server 2016 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	Datacenter	5, 6, 7

1. Please refer to AWS documentation <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. Before deployment, please refer to Best Practices for using Veritas Backup products (NetBackup, Backup Exec) with the Amazon Web Services (AWS) Storage Gateway-VTL <http://www.veritas.com/docs/100014745> .

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 [1]	IBM LTO - all generations	Latest from Manufacturer	EMC^^^^^Disk^Library		Yes	Yes
Disk Library Series - Fibre Channel [1]	Quantum SDLT 320	Latest from Manufacturer	EMC^^^^^Disk^Library		Yes	Yes
DL3D series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC^^^^^DL1500		Yes	Yes
DL5000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC^^^^^Disk^Library	DirCpy_Shr	Yes	Yes
DL5000 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC^^^^^Disk^Library	DirCpy_Shr	Yes	Yes

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

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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Disk Library Series - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	EMC^^^^^Disk^Library		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
Disk Library Series - Fibre Channel [1]	Quantum SDLT 320	Latest from Manufacturer	EMC^^^^^Disk^Library		Enterprise Edition	No	No	5	11

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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DL3D series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC^^^^DL1500		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DL5000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	EMC^^^^Disk^Library	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DL5000 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	EMC^^^^Disk^Library	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DR Series (Dell) - iSCSI	IBM LTO - all generations	Latest from Manufacturer	DELL^^^^DR_L700		Enterprise Edition	Datacenter	No	5, 6	No
NDMP2D - NDMP	IBM LTO - all generations	Latest from Manufacturer	EMC^^^^svtlrobot		No	No	No	5	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 [1]	IBM LTO - all generations	Latest from Manufacturer	EMC^^^^Disk^Library		6.1	11.31	10	No
Disk Library Series - Fibre Channel [1]	Quantum SDLT 320	Latest from Manufacturer	EMC^^^^Disk^Library		6.1	11.31	10	No

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
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^^^^^svtlrobot		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	Windows Server 2016 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	Datacenter	5, 6, 7	11, 12
Appliance Series - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	D_DOMAINRESTORER_L180		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	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, 7.2	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	DD2200, DD2500, DD3300, DD4200, DD4500, DD6300, DD6800, DD6900, DD7200, DD9300, DD9400, DD9500, DD9800, DD9900

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	Windows Server 2016 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	Datacenter	5, 6, 7	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	Datacenter	5, 6, 7	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Fujitsu

Fujitsu - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
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 (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Ded	Yes	Yes
ETERNUS CS800 S2 - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Ded	Yes	Yes
ETERNUS CS800 S3 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S3 - Fibre Channel (Retiring soon)	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

Fujitsu - Support with NetBackup Appliance

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	5200 Series	5300 Series
ETERNUS CS800 S6 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S6 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S7 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Shr	Yes	Yes
ETERNUS CS800 S7 - 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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS (ACS) - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
ETERNUS CS (ACS) - Fibre Channel [1]	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^^^^CS-TL		Enterprise Edition	No	No	5, 6, 7	11, 12
ETERNUS CS (ACS) - Fibre Channel [1]	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^^^^CS-TL		Enterprise Edition	No	No	5, 6, 7	11, 12
ETERNUS CS - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
ETERNUS CS - Fibre Channel	IBM TotalStorage 3590 - all generations	Latest from Manufacturer	FSC^^^^CS-TL		Enterprise Edition	No	No	5, 6, 7	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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS - Fibre Channel	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	FSC^^^^^CS-TL		Enterprise Edition	No	No	5, 6, 7	11, 12
ETERNUS CS800 S2 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Ded	Enterprise Edition	Datacenter	No	5	No
ETERNUS CS800 S2 - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Ded	Enterprise Edition	Datacenter	No	5	No
ETERNUS CS800 S3 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
ETERNUS CS800 S3 - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
ETERNUS CS800 S4 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
ETERNUS CS800 S4 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
ETERNUS CS800 S5 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
ETERNUS CS800 S5 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
ETERNUS CS800 S6 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
ETERNUS CS800 S6 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	6, 7	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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
ETERNUS CS800 S7 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
ETERNUS CS800 S7 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	6, 7	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
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
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 (Retiring soon)	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 (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^CS-TL	DirCpy_Ded	6.1	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 CS800 S3 - Fibre Channel (Retiring soon)	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 (Retiring soon)	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
ETERNUS CS800 S7 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	7.1, 7.2	11.31	10, 11	10, 11
ETERNUS CS800 S7 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FSC^^^^^CS-TL	DirCpy_Shr	7.1, 7.2	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	Windows Server 2016 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	Datacenter	6, 7	11, 12
CP3354 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS, IBM^^^^^03584L32		Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
CP5510 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS, IBM^^^^^03584L32		Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
CP5550 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS, IBM^^^^^03584L32		Enterprise Edition	Datacenter	No	6, 7	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

H3C - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 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	No	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Yes	Yes
D2D4100 G2 Series Backup System - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Yes	Yes
D2D4100 Series Backup System - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Yes	Yes
D2D4300 G2 Series Backup System - Fibre Channel (Retiring soon)	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 9200 Series - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^VLS		Yes	Yes
VLS 12000 EVA Gateway - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^VLS		Yes	Yes
VLS 12000 EVA Gateway - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP^^^^^^VLS		Yes	Yes
VLS 12200 EVA Gateway - Fibre Channel (Retiring soon)	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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
D2D4000 Series Backup System - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Enterprise Edition	Datacenter	No	5	11
D2D4000 Series Backup System - iSCSI (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Enterprise Edition	Datacenter	No	5	No
D2D4100 G2 Series Backup System - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
D2D4100 Series Backup System - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
D2D4300 G2 Series Backup System - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
D2D4312 G2 Backup System - iSCSI (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		Enterprise Edition	No	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	Datacenter	5, 6, 7	11, 12
StoreOnce 4000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS, IBM^^^^^03584L32		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
StoreOnce 5000 - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS, IBM^^^^^03584L32		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
StoreOnce 6000 - Fibre Channel [1]	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS, IBM^^^^^03584L32		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
VLS 9200 Series - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^VLS		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
VLS 12000 EVA Gateway - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^VLS		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
VLS 12000 EVA Gateway - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP^^^^^^VLS		Enterprise Edition	No	No	5	11
VLS 12200 EVA Gateway - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^VLS		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	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 (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		No	11.31	10, 11	No
D2D4100 Series Backup System - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		6.1	11.31	10	10

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
D2D4300 G2 Series Backup System - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	HP^^^^^^D2DBS		No	11.31	10	No
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, 11	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 9200 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 12000 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 12000 EVA Gateway - Fibre Channel (Retiring soon)	Quantum SDLT 320	Latest from Manufacturer	HP^^^^^^VLS		6.1	11.31	10	No

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 12200 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

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
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

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	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Hitachi - Family Membership

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

Huawei

Huawei - Support with NetBackup Appliance

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

Huawei - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
VTL - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^^VTL	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12

Huawei - 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
VTL - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	FALCON^^VTL	DirCpy_Shr	6.1	11.31	10	10

Huawei - Family Membership

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

IBM

IBM - Support with NetBackup Appliance

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

1. 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.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 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	Datacenter	5, 6, 7	11, 12
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	DTC^^^^^VTF		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
System Storage TS7650G ProtecTIER (DTC) - Fibre Channel	Quantum DLT 7000	Latest from Manufacturer	DTC^^^^^VTF		Enterprise Edition	No	No	5	11
System Storage TS7650G ProtecTIER (TS3500) - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM^^^^^3584L32		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
Virtualization Engine TS7510 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM^^^^^TS7510		No	No	No	5	11
Virtualization Engine TS7510 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM^^^^^TS7510		No	No	No	5	11
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM LTO - all generations	Latest from Manufacturer	IBM^^^^^TS7520	DirCpy_Ded	No	No	No	5	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	No	5	11
Virtualization Engine TS7520 - Fibre Channel [1] [2]	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM^^^^^TS7520	DirCpy_Ded	Enterprise Edition	No	No	5	11
Virtualization Engine TS7530 - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	IBM^^^^^TS7530	DirCpy_Ded	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
Virtualization Engine TS7530 - Fibre Channel	IBM System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM^^^^^TS7530	DirCpy_Ded	Enterprise Edition	No	No	5, 6, 7	11, 12
Virtualization Engine TS7530 - Fibre Channel	IBM TotalStorage 3592 Model J1A	Latest from Manufacturer	IBM^^^^^TS7530	DirCpy_Ded	Enterprise Edition	No	No	5, 6, 7	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

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 System Storage TS1120 (3592 Model E05)	Latest from Manufacturer	IBM^^^^^TS7520	DirCpy_Ded	6.1	11.31	10	No
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

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
InfiniGuard B-series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
InfiniGuard B-series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12

Infinidat - 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
InfiniGuard 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
InfiniGuard 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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Infinidat - Family Membership

VTL Family - Interface	Members
InfiniGuard B-series - Fibre Channel	InfiniGuard B4212N, InfiniGuard B4260, InfiniGuard B4260N

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	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NEC - Family Membership

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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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	Windows Server 2016 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	Datacenter	5, 6, 7	11, 12
DXi4700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Quantum - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 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	Datacenter	6, 7	11, 12
DXi4800 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	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	Datacenter	5, 6, 7	11, 12
DXi6700 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DXi6800 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DXi6800 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DXi6900 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DXi6900 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DXi7500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DXi7500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DXi8500 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
DXi8500 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Quantum - Support with Windows / Linux

VTL Family - Interface	Virtual Tape Drive	Software Version	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DXi9000 Series - Fibre Channel	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	Datacenter	6, 7	11, 12
DXi9000 Series - Fibre Channel	IBM LTO - all generations	Latest from Manufacturer	QUANTUM^DXi	DirCpy_Shr	Enterprise Edition	Datacenter	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

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
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
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

Quantum - Family Membership

VTL Family - Interface	Members
DXi8500 Series - Fibre Channel	DXi8500, DXi8500 2TB, DXi8500 3TB
DXi9000 Series - Fibre Channel	DXi9000, DXi9100

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	Windows Server 2016 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	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 (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SEPATON^S2100		Yes	Yes
S2100 - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	SEPATON^S2100		Yes	Yes
S2100 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SEPATON^S2100		Yes	Yes
S2100 - Fibre Channel (Retiring soon)	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	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
S2100 - Fibre Channel (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
S2100 - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
S2100 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	No	No	5	11
S2100 - Fibre Channel (Retiring soon)	Oracle StorageTek T9940 - all generations	Latest from Manufacturer	SEPATON^S2100		Enterprise Edition	No	No	5	11

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 (Retiring soon)	Hewlett Packard Enterprise LTO - all generations	Latest from Manufacturer	SEPATON^S2100		6.1, 7.1	10, 11	No
S2100 - Fibre Channel (Retiring soon)	IBM LTO - all generations	Latest from Manufacturer	SEPATON^S2100		6.1, 7.1	10, 11	No
S2100 - Fibre Channel (Retiring soon)	Oracle StorageTek T9840 - all generations	Latest from Manufacturer	SEPATON^S2100		6.1, 7.1	10	10
S2100 - Fibre Channel (Retiring soon)	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	Windows Server 2016 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	Datacenter	5, 6, 7	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	Datacenter	5, 6, 7	11, 12
nTier VTL - Fibre Channel [1]	IBM LTO - all generations	Latest from Manufacturer	FALCON^VTL	DirCpy_Ded	Enterprise Edition	No	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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	11

Tandberg - Family Membership

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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> . 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. ACS robots are supported with NetBackup Enterprise Server only. ACS robots are not supported with NetBackup Server. 4. For ACS robots 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.
Configuration considerations	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.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Subject	Notes
Operating system support dropped	1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.
	2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.
	3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.
	4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later. For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> .
	5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later. For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> .
	6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.
	7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.
	8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.
	9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.
	10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.
	11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.
	12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.

Tape Libraries - NetBackup Robot Types

These tables list operating system platform support for each NetBackup robotic daemon type. For more information about configuring robot types, see the "NetBackup Device Configuration Guide" <https://www.veritas.com/content/support/en_US/doc/23395442-133128031-0/index> .

Tape Libraries - ACS Robot Type Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> .
	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.
Vendor support considerations	1. The ACSLS version must be currently supported by Oracle.
	2. ACSLS 8.0, 8.1, 8.2, 8.3, 8.4, and 8.5 are supported with NetBackup 8.0 GA and later. Earlier ACSLS versions are not supported.
	3. The Logical Libraries feature introduced in ACSLS 8.0 is supported with libraries for which both ACS and TLD support is listed.
	4. LibAttach is required with Windows media servers. The LibAttach version must be currently supported by Oracle.
	5. LibAttach 1.4.2 and 1.4.3 are supported with NetBackup 8.0 GA and later. Earlier LibAttach versions are not supported.

Subject	Notes
Configuration considerations	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 dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

ACS - Oracle Automated Cartridge System - Supported Operating Systems

Operating System	NetBackup 8.x Start of Support
AIX on POWER	8.0 GA
HP-UX on IA64	8.0 GA
NDMP	8.0 GA
Red Hat Enterprise Linux on x86-64	8.0 GA
Red Hat Enterprise Linux on zArch	8.0 GA
Solaris on SPARC	8.0 GA [1]
Solaris on x64	8.0 GA [1]
SUSE Linux Enterprise Server on x86-64	8.0 GA
SUSE Linux Enterprise Server on zArch	8.0 GA

ACS - Oracle Automated Cartridge System - Supported Operating Systems

Operating System	NetBackup 8.x Start of Support
Windows Server 2008 x64	8.0 GA [2]
Windows Server 2012 x64	8.0 GA [3]
Windows Server 2016 x64	Not supported

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.

ACS - Oracle Automated Cartridge System - Supported Drive Types

ACSLS Drive Types	NetBackup 8.x Start of Support
4480	8.0 GA
4490	8.0 GA
4890	8.0 GA
9490	8.0 GA
9491	8.0 GA
9840	8.0 GA
9840-3590	8.0 GA
9940-3590	8.0 GA
CER-LTO	8.0 GA
CER-LTO-2	8.0 GA
CER-LTO-3	8.0 GA
DLT2000	8.0 GA
DLT2000XT	8.0 GA
DLT4000	8.0 GA

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

ACS - Oracle Automated Cartridge System - Supported Drive Types

ACSLS Drive Types	NetBackup 8.x Start of Support
DLT7000	8.0 GA
DLT8000	8.0 GA
DLT-S4	8.0 GA
HP-LTO	8.0 GA
HP-LTO-2	8.0 GA
HP-LTO-3	8.0 GA
HP-LTO-4	8.0 GA
HP-LTO-5	8.0 GA
HP-LTO-6	8.0 GA
HP-LTO-7	8.0 GA
IBM-LTO	8.0 GA
IBM-LTO-2	8.0 GA
IBM-LTO-3	8.0 GA
IBM-LTO-4	8.0 GA
IBM-LTO-5	8.0 GA
IBM-LTO-6	8.0 GA
IBM-LTO-7	8.0 GA
QNT-LTO-4	8.0 GA
SD3	8.0 GA
SDLT	8.0 GA
SDLT-320	8.0 GA
SDLT-600	8.0 GA
T1A	8.0 GA
T1A35	8.0 GA
T1AE	8.0 GA
T1AE35	8.0 GA

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

ACS - Oracle Automated Cartridge System - Supported Drive Types

ACSLS Drive Types	NetBackup 8.x Start of Support
T1B	8.0 GA
T1B35	8.0 GA
T1BE	8.0 GA
T1BE35	8.0 GA
T1C	8.0 GA
T1C35	8.0 GA
T1CE	8.0 GA
T1CE35	8.0 GA
T1D	8.0 GA
T1D35	8.0 GA
T1DE	8.0 GA
T1DE35	8.0 GA
T1D-Eth	8.0 GA
T1DpEth	8.0 GA
T9840B	8.0 GA
T9840B35	8.0 GA
T9840C	8.0 GA
T9840C35	8.0 GA
T9840CE	8.0 GA
T9840CE5	8.0 GA
T9840D	8.0 GA
T9840D35	8.0 GA
T9840DE	8.0 GA
T9840DE5	8.0 GA
T9940A	8.0 GA
T9940B	8.0 GA

ACS - Oracle Automated Cartridge System - Supported Drive Types

ACSLS Drive Types	NetBackup 8.x Start of Support
T9940B35	8.0 GA
VDRIVE	8.0 GA
VIRT-DRV	8.0 GA

ACS - Oracle Automated Cartridge System - Supported Media Types

ACSLS Media Types	NetBackup 8.x Start of Support
3480	8.0 GA
3490E	8.0 GA
DD3A	8.0 GA
DD3B	8.0 GA
DD3C	8.0 GA
DD3D	8.0 GA
DLTIII	8.0 GA
DLTIIIXT	8.0 GA
DLTIV	8.0 GA
EECART	8.0 GA
JLABEL	8.0 GA
KLABEL	8.0 GA
LTO_1_5_T	8.0 GA
LTO_1_5_W	8.0 GA
LTO_2_5_T	8.0 GA
LTO_2_5_W	8.0 GA
LTO_6_4_T	8.0 GA

ACS - Oracle Automated Cartridge System - Supported Media Types

ACSLS Media Types	NetBackup 8.x Start of Support
LTO_6_4_W	8.0 GA
LTO_10GB	8.0 GA
LTO_35GB	8.0 GA
LTO_50GB	8.0 GA
LTO_100G	8.0 GA
LTO_200G	8.0 GA
LTO_400G	8.0 GA
LTO_400W	8.0 GA
LTO_800G	8.0 GA
LTO_800W	8.0 GA
LTO_CLN1	8.0 GA
LTO_CLN2	8.0 GA
LTO_CLN3	8.0 GA
LTO_CLNU	8.0 GA
SDLT	8.0 GA
SDLT_2	8.0 GA
SDLT_4	8.0 GA
SDLT_S1	8.0 GA
SDLT_S2	8.0 GA
SDLT_S3	8.0 GA
SDLT_S4	8.0 GA
STK1R	8.0 GA
STK1U	8.0 GA
STK1Y	8.0 GA
STK2P	8.0 GA
STK2W	8.0 GA

ACS - Oracle Automated Cartridge System - Supported Media Types

ACSLS Media Types	NetBackup 8.x Start of Support
T10000CC	8.0 GA
T10000CL	8.0 GA
T10000CT	8.0 GA
T10000T1	8.0 GA
T10000T2	8.0 GA
T10000TS	8.0 GA
T10000TT	8.0 GA
VIRTUAL	8.0 GA
VCART	8.0 GA

TLD - Tape Library DLT - Supported Operating Systems

Operating System	NetBackup 8.x Start of Support
AIX on POWER	8.0 GA - Note: Use of the IBM Atape driver is required with IBM libraries. The Atape driver's multi-path feature must be disabled.
HP-UX on IA64	8.0 GA
NDMP	8.0 GA
Red Hat Enterprise Linux on x86-64	8.0 GA
Red Hat Enterprise Linux on zArch	8.0 GA
Solaris on SPARC	8.0 GA
Solaris on x64	8.0 GA
SUSE Linux Enterprise Server on x86-64	8.0 GA
SUSE Linux Enterprise Server on zArch	8.0 GA
Windows Server 2008 x64	8.0 GA
Windows Server 2012 x64	8.0 GA

TLD - Tape Library DLT - Supported Operating Systems

Operating System	NetBackup 8.x Start of Support
Windows Server 2016 x64	8.0 GA

Tape Libraries - Legend

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

Tape Libraries - Legend

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

Tape Libraries - Vendor Compatibility

Contents

Dell EMC	Fujitsu	H3C
Hewlett Packard Enterprise	Hitachi	IBM
NEC	Oracle	Overland Storage
Qualstar	Quantum	Spectra Logic
Tandberg		

Dell EMC

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ML3 - Fibre Channel	IBM^^^^3573-TL	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ML3 - SAS	IBM^^^^3573-TL	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
PowerVault 160T - Fibre Channel (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
PowerVault ML6000 Series - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
PowerVault TL2000 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
PowerVault TL4000 - SCSI (Retiring soon)	IBM^^^^3573-TL	Multi LUN	TLD	

Fujitsu

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ETERNUS LT20 - Fibre Channel (Retiring soon)	FSC^^^^^FibreCAT^TX08	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT20 - SAS (Retiring soon)	FSC^^^^^FibreCAT^TX08	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
ETERNUS LT20 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
ETERNUS LT40 - Fibre Channel (Retiring soon)	FSC^^^^^FibreCAT-TX24^S2	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT40 - SAS (Retiring soon)	FSC^^^^^FibreCAT-TX24^S2	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
ETERNUS LT40 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
ETERNUS LT60 - Fibre Channel (Retiring soon)	FSC^^^^^FibreCAT-TX48^S2	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT60 - SAS (Retiring soon)	FSC^^^^^FibreCAT-TX48^S2	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
ETERNUS LT60 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
ETERNUS LT120 - SCSI (Retiring soon)		SCSI ID	TLD	
ETERNUS LT130 - SCSI (Retiring soon)	OVERLANDNEO^Series	SCSI ID	TLD	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Fujitsu

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
ETERNUS LT160 - SCSI (Retiring soon)	FUJITSU^NML9A	SCSI ID	TLD	
ETERNUS LT210 (T16A) - SCSI (Retiring soon)	NEC^^^^T16A	SCSI ID	TLD	
ETERNUS LT210 (T16A2) - SAS (Retiring soon)	NEC^^^^T16A2	Multi LUN	TLD	
ETERNUS LT210 (T16A2) - SCSI (Retiring soon)	NEC^^^^T16A2	Multi LUN	TLD	
ETERNUS LT220 (T16A) - SCSI (Retiring soon)	NEC^^^^T16A	SCSI ID	TLD	
ETERNUS LT220 (T16A2) - SCSI (Retiring soon)	NEC^^^^T16A2	Multi LUN	TLD	
ETERNUS LT230 (T40A) - SCSI (Retiring soon)	NEC^^^^T40A	SCSI ID	TLD	
ETERNUS LT230 (T40A2) - Fibre Channel (Retiring soon)	NEC^^^^T40A2	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT230 (T40A2) - SCSI (Retiring soon)	NEC^^^^T40A2	Multi LUN	TLD	
ETERNUS LT250 - Fibre Channel (Retiring soon)	FUJITSU^NML7A	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ETERNUS LT250 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
ETERNUS LT270 - Fibre Channel (Retiring soon)	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 - SCSI (Retiring soon)	FSC^^^^FibreCAT^TX08	Multi LUN	TLD	
FibreCAT TX24 - Fibre Channel (Retiring soon)	FSC^^^^FibreCAT^TX24	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX24 - SCSI (Retiring soon)	FSC^^^^FibreCAT^TX24	Multi LUN	TLD	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Fujitsu

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
FibreCAT TX48 - Fibre Channel (Retiring soon)	FSC^^^^^FibreCAT^TX48	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
FibreCAT TX48 - SCSI (Retiring soon)	FSC^^^^^FibreCAT^TX48	Multi LUN	TLD	
FibreCAT TX48 S2 - Fibre Channel (Retiring soon)	FSC^^^^^FibreCAT-TX48^S2	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.

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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
CT7680 - 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.
CT7680 - SAS	HP^^^^^^MSL6480	Multi LUN	TLD	Barcode labels are strongly recommended. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.

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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
1/8 G2 Tape Autoloader - SCSI (Retiring soon)	HP^^^^^^1x8^G2^AUTOLDR	Multi LUN	TLD	
EML E-Series - Fibre Channel (Retiring soon)	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 (Retiring soon)	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 (Retiring soon)	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 (Retiring soon)	HP^^^^^^EML^E-Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
EML E-Series 348e - Fibre Channel (Retiring soon)	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 (Retiring soon)	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 (Retiring soon)	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 (Retiring soon)	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 (Retiring soon)	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 (Retiring soon)	HP^^^^^^ESL^E-Series	SCSI ID	TLD	Please see Technical Solution Article This"><https://www.veritas.com/docs/000028666. This> library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
ESL E-Series 322e - Fibre Channel (Retiring soon)	HP^^^^^^ESL^E-Series	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
ESL E-Series 712e - Fibre Channel (Retiring soon)	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. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
MSL2024 - SCSI (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
MSL4048 - SCSI (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.
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. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Hewlett Packard Enterprise

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
MSL8048 - SCSI (Retiring soon)	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.
MSL8096 - SAS	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
MSL8096 - SCSI (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	Supported with the MSL Library Extender.

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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
L18/500 - Fibre Channel (Retiring soon)	STK^^^^^SL500	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
L18/500 - SCSI (Retiring soon)	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.

Hitachi

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
L20/300 - SAS	STK^^^^^SL150	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
3607 1x16 - SCSI (Retiring soon)	IBM^^^^^3607116	Multi LUN	TLD	
33614LX - Fibre Channel (Retiring soon)	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 (Retiring soon)	IBM^^^^^33614LX	Multi LUN	TLD	Library partitioning is supported with firmware V26 (001A) or later.
33622LX - Fibre Channel (Retiring soon)	IBM^^^^^33622LX	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
33622LX - SCSI (Retiring soon)	IBM^^^^^33622LX	Multi LUN	TLD	
StorageSmart SL7 - SCSI (Retiring soon)	IBM^^^^^ULT3581-TA	SCSI ID	TLD	
StorageSmart SL72 - SCSI (Retiring soon)			TLD	
StorageSmart SL7500 - SCSI (Retiring soon)			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. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.

IBM

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
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.
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. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
System Storage TS3200 (Machine Type 3573) - SCSI (Retiring soon)	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. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
System Storage TS3310 (Machine Type 3576) - SCSI (Retiring soon)	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. 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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.

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.

NEC

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
iStorage T40 - SCSI (Retiring soon)	STK^^^^^L40	SCSI ID	TLD	
iStorage T80 - SCSI (Retiring soon)	STK^^^^^L80	SCSI ID	TLD	
iStorage T180 - Fibre Channel (Retiring soon)	STK^^^^^L180	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
iStorage T700 - Fibre Channel (Retiring soon)	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 (Retiring soon)	NEC^^^^^LL0101H-0A	SCSI ID	TLD	
SL0101H - SCSI (Retiring soon)	NEC^^^^^SL0101H-0S	SCSI ID	TLD	
T16A - SCSI (Retiring soon)	NEC^^^^^T16A	SCSI ID	TLD	
T16A2 - SAS (Retiring soon)	NEC^^^^^T16A2	Multi LUN	TLD	
T16A2 - SCSI (Retiring soon)	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. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.

NEC

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
T40A - Fibre Channel (Retiring soon)	NEC^^^^^T40A	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
T40A - SCSI (Retiring soon)	NEC^^^^^T40A	SCSI ID		
T40A2 - Fibre Channel (Retiring soon)	NEC^^^^^T40A2	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
T40A2 - SAS (Retiring soon)	NEC^^^^^T40A2	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
T40A2 - SCSI (Retiring soon)	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. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
T100A - Fibre Channel (Retiring soon)	FUJITSU^NML7A	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
T100A - SCSI (Retiring soon)	FUJITSU^NML7A	SCSI ID	TLD	
T100A2 - Fibre Channel (Retiring soon)	FUJITSU^NML7A	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
T280 (Machine Type 3555) - Fibre Channel	IBM^^^^^3573-TL	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
T280 (Machine Type 3555) - SAS	IBM^^^^^3573-TL	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
T700A - Fibre Channel (Retiring soon)	FUJITSU^NML10A	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
T700A2 - Fibre Channel (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
StorageTek SL24 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
StorageTek SL48 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
StorageTek SL500 - SCSI (Retiring soon)	STK^^^^^SL500	SCSI ID	ACS, TLD	
StorageTek SL3000 - Ethernet	STK^^^^^ACSLS-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^^^^^ACSLS-SCSI	SCSI ID	ACS, TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Sun STK SL3000 - Ethernet (Retiring soon)	SUN^^^^^ACSLS-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 (Retiring soon)	OVERLANDARCvault	Multi LUN	TLD	
NEO 100s 2nd Generation - SAS (Retiring soon)	IBM^^^^^3572-TL	Multi LUN	TLD	
NEO 200s - Fibre Channel (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 200s - SAS (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
NEO 200s - SCSI (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	
NEO 200s 2nd Generation - Fibre Channel (Retiring soon)	IBM^^^^^3573-TL	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 200s 2nd Generation - SAS (Retiring soon)	IBM^^^^^3573-TL	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
NEO 400s - Fibre Channel (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 400s - SAS (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
NEO 400s - SCSI (Retiring soon)	HP^^^^^^MSL^G3^Series	Multi LUN	TLD	
NEO 400s 2nd Generation - Fibre Channel (Retiring soon)	IBM^^^^^3573-TL	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 400s 2nd Generation - SAS (Retiring soon)	IBM^^^^^3573-TL	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
NEO 2000e - Fibre Channel (Retiring soon)	OVERLANDNEO^Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO 2000e - SAS (Retiring soon)	OVERLANDNEO^Series	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
NEO 4000e - Fibre Channel (Retiring soon)	OVERLANDNEO^Series	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Overland Storage

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
NEO 4000e - SAS (Retiring soon)	OVERLANDNEO^Series	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
NEO 8000 - Fibre Channel (Retiring soon)	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 (Retiring soon)	OVERLANDNEO^Series	SCSI ID	TLD	
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
NEO series - Fibre Channel (Retiring soon)	OVERLANDNEO^Series	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
NEO series - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.

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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
Q48 - Fibre Channel	BDT^^^^^FlexStor^II	Multi LUN	TLD	This library is also supported with the NetBackup 5200 Series and 5300 Series Appliances.
Q48 - SAS	BDT^^^^^FlexStor^II	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
Q80 - Fibre Channel	BDT^^^^^MULTISTAK	Multi LUN	TLD	This library is also supported with the NetBackup 5200 Series and 5300 Series Appliances.
Q80 - SAS	BDT^^^^^MULTISTAK	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
RLS-6000 (S)DLT series - Fibre Channel (Retiring soon)	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 (Retiring soon)	QUALSTARRLS-8	SCSI ID	TLD	
RLS-8000D LTO series - Fibre Channel (Retiring soon)	QUALSTARRLS-8	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances. Using FCO (Fibre Channel Option) card.
RLS-8350 - Fibre Channel	QUALSTARRLS-85	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
RLS-8350 - SAS	QUALSTARRLS-85	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
RLS-85120 - Fibre Channel (Retiring soon)	QUALSTARRLS-85	Multi LUN		
TLS-6000 DLT series - Fibre Channel (Retiring soon)	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 (Retiring soon)	QUALSTARTLS-6	SCSI ID	TLD	
TLS-6220 - SCSI (Retiring soon)	QUALSTARTLS-6	SCSI ID	TLD	

Qualstar

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
TLS-8000 LTO series - Fibre Channel (Retiring soon)	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 (Retiring soon)	QUALSTARTLS-8	SCSI ID	TLD	
XLS-8000 - Fibre Channel (Retiring soon)	QUALSTARXLS-8000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
XLS-8000 - SCSI (Retiring soon)	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
PX720 - Fibre Channel (Retiring soon)	QUANTUM^PX720	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances. Using FC 470.
PX720 - SCSI (Retiring soon)	QUANTUM^PX720	SCSI ID	TLD	
Scalar 50 (SCALAR50) - Fibre Channel (Retiring soon)	QUANTUM^SCALAR50	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar 50 (SCALAR50) - SAS (Retiring soon)	QUANTUM^SCALAR50	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
Scalar 50 (SCALAR50) - SCSI (Retiring soon)	QUANTUM^SCALAR50	SCSI ID	TLD	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Quantum

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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 (Retiring soon)	Quantum^Scalar^i500	Multi LUN	TLD	
Scalar i2000 - Fibre Channel (Retiring soon)	Quantum^Scalar^i2000	SCSI ID	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Scalar i2000 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
SuperLoader 3 - SCSI (Retiring soon)	QUANTUM^UHDL	Multi LUN	TLD	

Spectra Logic

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
Spectra Stack - Fibre Channel	SPECTRA^PYTHON	Multi LUN	TLD	Requires NetBackup Device Mappings files version 1.155 or later. This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
Spectra Stack - SAS	SPECTRA^PYTHON	Multi LUN	TLD	Requires NetBackup Device Mappings files version 1.155 or later. This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
Spectra T120 - SCSI (Retiring soon)	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.

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. This library is available from Overland/Tandberg as the NEOs T24.
StorageLibrary T24 - SCSI (Retiring soon)	EXABYTE^MAGNUM^224	Multi LUN	TLD	This library is available from Overland/Tandberg as the NEOs T24.
StorageLibrary T40 - Fibre Channel (Retiring soon)	TANDBERGStorageLoader	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLibrary T40 - SAS (Retiring soon)	TANDBERGStorageLoader	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter.
StorageLibrary T40 - SCSI (Retiring soon)	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. This library is available from Overland/Tandberg as the NEOs T48.
StorageLibrary T40+ - SAS	TANDBERGStorageLoader	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter. This library is available from Overland/Tandberg as the NEOs T48.
StorageLibrary T48 - Fibre Channel (Retiring soon)	EXABYTE^MAGNUM^448	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLibrary T48 - SCSI (Retiring soon)	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	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter. This library is available from Overland/Tandberg as the NEOxl 80.
StorageLibrary T120+ - Fibre Channel	TANDBERGStorageLoader	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances. This library is available from Overland/Tandberg as the NEOxl 80.

Tandberg

Device - Interface	Inquiry String	Address Scheme	Robot Type	Notes
StorageLibrary T120+ - SAS	TANDBERGStorageLoader	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter. This library is available from Overland/Tandberg as the NEOxl 80.
StorageLibrary T160+ - Fibre Channel	TANDBERGStorageLoader	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances. This library is available from Overland/Tandberg as the NEOxl 80.
StorageLibrary T160+ - SAS	TANDBERGStorageLoader	Multi LUN	TLD	This library is also supported with the NetBackup 5240 Series Appliance with a SAS tape-out adapter. This library is available from Overland/Tandberg as the NEOxl 80.
StorageLoader 2U LTO - Fibre Channel (Retiring soon)	EXABYTE^MAGNUM^224	Multi LUN	TLD	This library is also supported with NetBackup 5200 Series and 5300 Series Appliances.
StorageLoader 2U LTO - SCSI (Retiring soon)	EXABYTE^MAGNUM^224	Multi LUN	TLD	
StorageLoader LTO - SAS	TANDBERGStorageLoader	Multi LUN	TLD	
SuperLoader DLT 1280L - SCSI (Retiring soon)	QUANTUM^UHDL	Multi LUN	TLD	
SuperLoader SDLT 3520L - SCSI (Retiring soon)	QUANTUM^UHDL	Multi LUN	TLD	
SuperLoader SDLT 5120L - SCSI (Retiring soon)	QUANTUM^UHDL	Multi LUN	TLD	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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.

Contents

Tape Drives - Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> .
	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 "Windows Server 2016 Datacenter" it also means that the other editions of Windows Server 2016 and Windows Storage Server 2016 are supported.
	6. 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.
	7. Where support is shown for "Red Hat Enterprise Linux 6 on x86-64" it also means that CentOS 6 and Oracle Linux 6 are supported.
	8. Where support is shown for "Red Hat Enterprise Linux 7 on x86-64" it also means that CentOS 7 and Oracle Linux 7 are 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 8.0 and later releases.
Vendor support considerations	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	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	1. Tape Alert functionality is supported by all drives, unless noted otherwise. 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: - 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 dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

Tape Drives - Attributes

The following table lists attributes supported with Tape Drives and indicates the NetBackup 8.x version at which that attribute was first supported.

Attribute	Abbreviation	NetBackup Release Supported
SCSI Reservation	SResv	8.0 GA
SCSI Persistent Reservation	SPR	8.0 GA
Write Once, Read Many	WORM	8.0 GA
NetBackup Encryption Key Management Service	KMS	8.0 GA

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Attribute	Abbreviation	NetBackup Release Supported
Append-only mode	Append	8.0 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>Tandberg</u>

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 LTO-6 - SAS	IBM^^^^^ULTRIUM-HH6	KMS, WORM	Yes [1]	No
PowerVault LTO-7 - SAS	IBM^^^^^ULTRIUM-HH7	KMS, WORM	Yes [1]	No
PowerVault LTO5-140 - SAS	IBM^^^^^ULTRIUM-HH5	KMS, WORM	Yes [1]	No
PowerVault LTO5-140 FH - Fibre Channel	IBM^^^^^ULTRIUM-TD5	KMS, SResv, SPR, WORM	Yes	Yes

1. Requires the Veritas-supplied SAS tape-out adapter in a NetBackup 5240 Series Appliance running version 3.1 or later.

Dell EMC - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
PowerVault 110T LTO2 (Gen2 IBM) - SCSI (Retiring soon) [1]	IBM^^^^^ULTRIUM-TD2		Enterprise Edition	No	No	5, 6	11
PowerVault 110T SDLT320 - SCSI (Retiring soon)	QUANTUM^SDLT320		Enterprise Edition	No	No	5, 6	11
PowerVault 110T VS160 - SCSI (Retiring soon)	QUANTUM^DLT^VS160		Enterprise Edition	No	No	5, 6	11
PowerVault 160T LTO2 - SCSI (Retiring soon) [1]	IBM^^^^^ULTRIUM-TD2		Enterprise Edition	No	No	5, 6	11
PowerVault LTO-6 - Fibre Channel	IBM^^^^^ULTRIUM-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
PowerVault LTO-6 - SAS	IBM^^^^^ULTRIUM-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Dell EMC - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
PowerVault LTO-7 - SAS	IBM^^^^^ULTRIUM-HH7	KMS, WORM	No	Datacenter	Datacenter	6, 7	11, 12
PowerVault LTO-7 FH FC - Fibre Channel	IBM^^^^^ULTRIUM-TD7	Append, KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	11, 12
PowerVault LTO-7 HH FC - Fibre Channel	IBM^^^^^ULT3580-HH7	Append, KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	11, 12
PowerVault LTO-7 HH SAS - SAS	IBM^^^^^ULT3580-HH7	KMS, WORM	No	Datacenter	Datacenter	6, 7	11, 12
PowerVault LTO4 HH - SAS	IBM^^^^^ULT3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
PowerVault LTO4-120 - SAS [1]	IBM^^^^^ULTRIUM-TD4	WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
PowerVault LTO5 HH - SAS	IBM^^^^^ULT3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
PowerVault LTO5-140 - SAS	IBM^^^^^ULTRIUM-HH5	SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
PowerVault LTO5-140 FH - Fibre Channel	IBM^^^^^ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
PowerVault LTO6 HH - SAS	IBM^^^^^ULT3580-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	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 (Retiring soon) [1]	IBM^^^^^ULTRIUM-TD2		6.1	11.31	10	10
PowerVault 110T SDLT320 - SCSI (Retiring soon)	QUANTUM^SDLT320		6.1	11.31	10	10
PowerVault 110T VS160 - SCSI (Retiring soon)	QUANTUM^DLT^VS160		6.1	No	10	10
PowerVault 160T LTO2 - SCSI (Retiring soon) [1]	IBM^^^^^ULTRIUM-TD2		6.1	11.31	10	10
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 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 3000 LTO5 - SAS	HP^^^^^^Ultrium^5-SCSI	KMS, WORM	Yes [1]	No
Ultrium 3280 LTO5 - Fibre Channel	HP^^^^^^Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 3280 LTO5 - SAS	HP^^^^^^Ultrium^5-SCSI	KMS, WORM	Yes [1]	No
Ultrium 6250 LTO6 - Fibre Channel	HP^^^^^^Ultrium^6-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 6250 LTO6 - SAS	HP^^^^^^Ultrium^6-SCSI	KMS, WORM	Yes [1]	No
Ultrium 6650 LTO6 - Fibre Channel	HP^^^^^^Ultrium^6-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 6650 LTO6 - SAS	HP^^^^^^Ultrium^6-SCSI	KMS, WORM	Yes [1]	No
Ultrium 15000 LTO7 - Fibre Channel	HP^^^^^^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 15000 LTO7 - SAS	HP^^^^^^Ultrium^7-SCSI	KMS, WORM	Yes [1]	No
Ultrium 15750 LTO7 - Fibre Channel	HP^^^^^^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 30750 LTO8 - Fibre Channel	HPE^^^^^Ultrium^8-SCSI	KMS, SResv, SPR	Yes [2]	Yes [2]
Ultrium 30750 LTO8 - SAS	HPE^^^^^Ultrium^8-SCSI	KMS	Yes [1] [2]	Yes [2]

1. Requires the Veritas-supplied SAS tape-out adapter in a NetBackup 5240 Series Appliance running version 3.1 or later.

2. Requires NetBackup Appliance version 3.1 or later with NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later.

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64
Ultrium 920 LTO3 - SAS (Retiring soon)	HP^^^^^^Ultrium^3-SCSI		No	No	No	5, 6	No	11
Ultrium 920 LTO3 - SCSI (Retiring soon)	HP^^^^^^Ultrium^3-SCSI	WORM	Enterprise Edition	No	No	5, 6	No	No
Ultrium 1760 LTO4 - Fibre Channel	HP^^^^^^Ultrium^4-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 1760 LTO4 - SAS	HP^^^^^^Ultrium^4-SCSI	WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 1760 LTO4 - SCSI (Retiring soon)	HP^^^^^^Ultrium^4-SCSI	WORM	Enterprise Edition	No	No	5, 6	No	11
Ultrium 1840 LTO4 - Fibre Channel	HP^^^^^^Ultrium^4-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	5	11, 12
Ultrium 1840 LTO4 - SAS	HP^^^^^^Ultrium^4-SCSI	WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 1840 LTO4 - SCSI (Retiring soon)	HP^^^^^^Ultrium^4-SCSI	WORM	Enterprise Edition	No	No	5, 6	No	11
Ultrium 3000 LTO5 - Fibre Channel	HP^^^^^^Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 3000 LTO5 - SAS	HP^^^^^^Ultrium^5-SCSI	SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 3280 LTO5 - Fibre Channel	HP^^^^^^Ultrium^5-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	5	11, 12
Ultrium 3280 LTO5 - SAS	HP^^^^^^Ultrium^5-SCSI	KMS, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 6250 LTO6 - Fibre Channel	HP^^^^^^Ultrium^6-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 6250 LTO6 - SAS	HP^^^^^^Ultrium^6-SCSI	KMS, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12

Hewlett Packard Enterprise - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64
Ultrium 6650 LTO6 - Fibre Channel	HP^^^^^^Ultrium^6-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 6650 LTO6 - SAS	HP^^^^^^Ultrium^6-SCSI	KMS, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 15000 LTO7 - Fibre Channel	HP^^^^^^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition [1]	Datacenter	Datacenter	6, 7	No	11, 12
Ultrium 15000 LTO7 - SAS	HP^^^^^^Ultrium^7-SCSI	KMS, WORM	Enterprise Edition [1]	Datacenter	Datacenter	6, 7	No	11, 12
Ultrium 15750 LTO7 - Fibre Channel	HP^^^^^^Ultrium^7-SCSI	KMS, SResv, SPR, WORM	Enterprise Edition [1]	Datacenter	Datacenter	6, 7	No	11, 12
Ultrium 30750 LTO8 - Fibre Channel	HPE^^^^^Ultrium^8-SCSI	KMS, SResv, SPR	Enterprise Edition [1]	Datacenter	Datacenter	6, 7	No	11, 12
Ultrium 30750 LTO8 - SAS	HPE^^^^^Ultrium^8-SCSI	KMS	Enterprise Edition [1]	Datacenter	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
Ultrium 920 LTO3 - SAS (Retiring soon)	HP^^^^^^Ultrium^3-SCSI		No	11.31	10, 11	10, 11
Ultrium 920 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 [1]	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 (Retiring soon)	HP^^^^^^Ultrium^4-SCSI	KMS, WORM	6.1	11.31 [1]	10	10
Ultrium 1840 LTO4 - Fibre Channel	HP^^^^^^Ultrium^4-SCSI	SPR, WORM	6.1	11.31 [1]	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 1840 LTO4 - SAS	HP^^^^^^Ultrium^4-SCSI	WORM	6.1, 7.1	No	10	No
Ultrium 1840 LTO4 - SCSI (Retiring soon)	HP^^^^^^Ultrium^4-SCSI	WORM	6.1	11.31 [1]	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	SResv, SPR, WORM	6.1, 7.1, 7.2	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, 7.2	11.31	10, 11	10, 11
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, 7.2	11.31	10, 11	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, 7.2	11.31	10, 11	10, 11
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, 7.2	11.31	10, 11	10, 11
Ultrium 30750 LTO8 - Fibre Channel	HPE^^^^^^Ultrium^8-SCSI	KMS, SResv, SPR	6.1, 7.1, 7.2	11.31	10, 11	10, 11
Ultrium 30750 LTO8 - SAS	HPE^^^^^^Ultrium^8-SCSI	KMS, SResv, SPR	6.1, 7.1, 7.2	11.31	10, 11	10, 11

1. 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 (Retiring soon) [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 TS2250 Ultrium 5 Half Height - SAS	IBM^^^^^ULT3580-HH5	KMS, WORM	Yes [2]	No
System Storage TS2260 Ultrium 6 Half Height - Fibre Channel	IBM^^^^^ULT3580-HH6	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2260 Ultrium 6 Half Height - SAS	IBM^^^^^ULT3580-HH6	KMS, WORM	Yes [2]	No
System Storage TS2270 Ultrium 7 Half Height - Fibre Channel	IBM^^^^^ULT3580-HH7	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2270 Ultrium 7 Half Height - SAS	IBM^^^^^ULT3580-HH7	KMS, WORM	Yes [2]	No
System Storage TS2280 Ultrium 8 Half Height - Fibre Channel	IBM^^^^^ULT3580-HH8	KMS, SResv, SPR, WORM	Yes [3]	Yes [3]
System Storage TS2280 Ultrium 8 Half Height - SAS	IBM^^^^^ULT3580-HH8	KMS, WORM	Yes [2] [3]	Yes [3]
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 TS2350 Ultrium 5 - SAS	IBM^^^^^ULT3580-TD5	KMS, WORM	Yes	No
System Storage TS2360 Ultrium 6 - Fibre Channel	IBM^^^^^ULT3580-TD6	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2360 Ultrium 6 - SAS	IBM^^^^^ULT3580-TD6	KMS, WORM	Yes	No

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series	5300 Series
System Storage TS2370 Ultrium 7 - Fibre Channel	IBM^^^^^ULT3580-TD7	KMS, SResv, SPR, WORM	Yes	Yes
System Storage TS2380 Ultrium 8 - Fibre Channel	IBM^^^^^ULT3580-TD8	KMS, SResv, SPR, WORM	Yes [3]	Yes [3]
TotalStorage 3580 Ultrium 3 - Fibre Channel (Retiring soon) [1]	IBM^^^^^ULT3580-TD3	SResv, SPR, WORM	Yes	Yes
Ultrium 3 - Fibre Channel (Retiring soon) [1]	IBM^^^^^ULTRIUM-TD3	SResv, SPR, WORM	Yes	Yes
Ultrium 4 - Fibre Channel	IBM^^^^^ULTRIUM-TD4	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 5 - Fibre Channel	IBM^^^^^ULTRIUM-TD5	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 5 - SAS	IBM^^^^^ULTRIUM-TD5	KMS, WORM	Yes [2]	No
Ultrium 5 Half Height - SAS	IBM^^^^^ULTRIUM-HH5	KMS, WORM	Yes [2]	No
Ultrium 6 - Fibre Channel	IBM^^^^^ULTRIUM-TD6	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 6 - SAS	IBM^^^^^ULTRIUM-TD6	KMS, WORM	Yes [2]	No
Ultrium 6 Half Height - SAS	IBM^^^^^ULTRIUM-HH6	KMS, WORM	Yes [2]	No
Ultrium 7 - Fibre Channel	IBM^^^^^ULTRIUM-TD7	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 7 - SAS	IBM^^^^^ULTRIUM-TD7	KMS, WORM	Yes [2]	No
Ultrium 7 Half Height - Fibre Channel	IBM^^^^^ULTRIUM-HH7	KMS, SResv, SPR, WORM	Yes	Yes
Ultrium 7 Half Height - SAS	IBM^^^^^ULTRIUM-HH7	KMS, WORM	Yes [2]	No
Ultrium 8 - Fibre Channel	IBM^^^^^ULTRIUM-TD8	KMS, SResv, SPR, WORM	Yes [3]	Yes [3]
Ultrium 8 Half Height - Fibre Channel	IBM^^^^^ULTRIUM-HH8	KMS, SResv, SPR, WORM	Yes [3]	Yes [3]
Ultrium 8 Half Height - SAS	IBM^^^^^ULTRIUM-HH8	KMS, WORM	Yes [2] [3]	Yes [3]

1. 4Gb Fibre Channel supported.

2. Requires the Veritas-supplied SAS tape-out adapter in a NetBackup 5240 Series Appliance running version 3.1 or later.

3. Requires NetBackup Appliance version 3.1 or later with NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later.

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 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 (Retiring soon) [1]	IBM^^^^^ULT3580-TD3	SPR, WORM	Enterprise Edition	No	No	5, 6	No	11
System Storage TS1040 (3588 Model F4A) Ultrium 4 - Fibre Channel	IBM^^^^^ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS1050 (3588 Model F5A) Ultrium 5 - Fibre Channel	IBM^^^^^ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS1060 (3588 Model F6A) Ultrium 6 - Fibre Channel	IBM^^^^^ULT3580-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS1070 (3588 Model F7A) Ultrium 7 - Fibre Channel	IBM^^^^^ULT3580-TD7	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
System Storage TS1120 (3592 Model E05) - Fibre Channel	IBM^^^^^03592E05	SResv, SPR, WORM	Enterprise Edition	No	No	5, 6, 7	5	11, 12
System Storage TS1130 (3592 Model E06) - Fibre Channel	IBM^^^^^03592E06	SResv, WORM	Enterprise Edition	No	No	5, 6, 7	No	11, 12
System Storage TS1140 (3592 Model E07) - Fibre Channel	IBM^^^^^03592E07	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS1150 (3592 Model E08) - Fibre Channel	IBM^^^^^03592E08	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	6, 7	No	11, 12
System Storage TS1155 (3592 Model 55F) - Fibre Channel	IBM^^^^^0359255F	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
System Storage TS1160 (3592 Model 60F) - Fibre Channel	IBM^^^^^0359260F	KMS, SResv, SPR, WORM	No	No	Datacenter	6, 7	No	12
System Storage TS2230 Ultrium 3 Half Height - SAS (Retiring soon)	IBM^^^^^ULT3580-HH3	WORM	Enterprise Edition	No	No	5, 6	No	11

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64
System Storage TS2230 Ultrium 3 Half Height - SCSI (Retiring soon)	IBM^^^^^ULT3580-HH3	WORM	Enterprise Edition	No	No	5, 6	No	11
System Storage TS2240 Ultrium 4 Half Height - Fibre Channel	IBM^^^^^ULT3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2240 Ultrium 4 Half Height - SAS	IBM^^^^^ULT3580-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2250 Ultrium 5 Half Height - Fibre Channel	IBM^^^^^ULT3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2250 Ultrium 5 Half Height - SAS	IBM^^^^^ULT3580-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2260 Ultrium 6 Half Height - Fibre Channel	IBM^^^^^ULT3580-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2260 Ultrium 6 Half Height - SAS	IBM^^^^^ULT3580-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2270 Ultrium 7 Half Height - Fibre Channel	IBM^^^^^ULT3580-HH7	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
System Storage TS2270 Ultrium 7 Half Height - SAS	IBM^^^^^ULT3580-HH7	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
System Storage TS2280 Ultrium 8 Half Height - Fibre Channel	IBM^^^^^ULT3580-HH8	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	No
System Storage TS2280 Ultrium 8 Half Height - SAS	IBM^^^^^ULT3580-HH8	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	No
System Storage TS2340 Ultrium 4 - Fibre Channel	IBM^^^^^ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2340 Ultrium 4 - SAS	IBM^^^^^ULT3580-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2340 Ultrium 4 - SCSI (Retiring soon)	IBM^^^^^ULT3580-TD4	WORM	Enterprise Edition	No	No	5, 6	No	11

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64
System Storage TS2350 Ultrium 5 - Fibre Channel	IBM^^^^^ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2350 Ultrium 5 - SAS	IBM^^^^^ULT3580-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2360 Ultrium 6 - Fibre Channel	IBM^^^^^ULT3580-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2360 Ultrium 6 - SAS	IBM^^^^^ULT3580-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
System Storage TS2370 Ultrium 7 - Fibre Channel	IBM^^^^^ULT3580-TD7	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
System Storage TS2380 Ultrium 8 - Fibre Channel	IBM^^^^^ULT3580-TD8	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
TotalStorage 3580 Ultrium 3 - Fibre Channel (Retiring soon) [1]	IBM^^^^^ULT3580-TD3	SPR, WORM	Enterprise Edition	No	No	5, 6	No	11
TotalStorage 3580 Ultrium 3 - SCSI (Retiring soon)	IBM^^^^^ULT3580-TD3	WORM	Enterprise Edition	No	No	5, 6	No	11
Ultrium 3 - Fibre Channel (Retiring soon) [1]	IBM^^^^^ULTRIUM-TD3	SPR, WORM	Enterprise Edition	No	No	5, 6	5	11
Ultrium 3 - SCSI (Retiring soon)	IBM^^^^^ULTRIUM-TD3	WORM	Enterprise Edition	No	No	5, 6	No	11
Ultrium 3 Half Height - SAS (Retiring soon)	IBM^^^^^ULTRIUM-HH3	WORM	Enterprise Edition	No	No	5, 6	No	11
Ultrium 3 Half Height - SCSI (Retiring soon)	IBM^^^^^ULTRIUM-HH3	WORM	Enterprise Edition	No	No	5, 6	No	11
Ultrium 4 (U160) - SCSI (Retiring soon)	IBM^^^^^ULTRIUM-TD4	WORM	Enterprise Edition	No	No	5, 6	No	11
Ultrium 4 - Fibre Channel	IBM^^^^^ULTRIUM-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	5	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64
Ultrium 4 - SAS	IBM^^^^^ULTRIUM-TD4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 4 Half Height - Fibre Channel	IBM^^^^^ULTRIUM-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 4 Half Height - SAS	IBM^^^^^ULTRIUM-HH4	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 5 - Fibre Channel	IBM^^^^^ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	5	11, 12
Ultrium 5 - SAS	IBM^^^^^ULTRIUM-TD5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 5 Half Height - Fibre Channel	IBM^^^^^ULTRIUM-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 5 Half Height - SAS	IBM^^^^^ULTRIUM-HH5	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 6 - Fibre Channel	IBM^^^^^ULTRIUM-TD6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	5	11, 12
Ultrium 6 - SAS	IBM^^^^^ULTRIUM-TD6		Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 6 Half Height - Fibre Channel	IBM^^^^^ULTRIUM-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 6 Half Height - SAS	IBM^^^^^ULTRIUM-HH6	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
Ultrium 7 - Fibre Channel	IBM^^^^^ULTRIUM-TD7	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
Ultrium 7 - SAS	IBM^^^^^ULTRIUM-TD7		No	Datacenter	Datacenter	6, 7	No	11, 12
Ultrium 7 Half Height - Fibre Channel	IBM^^^^^ULTRIUM-HH7	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
Ultrium 7 Half Height - SAS	IBM^^^^^ULTRIUM-HH7	KMS, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	Red Hat Enterprise Linux on zArch	SUSE Linux Enterprise Server on x86-64
Ultrium 8 - Fibre Channel	IBM^^^^^ULTRIUM-TD8	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	11, 12
Ultrium 8 Half Height - Fibre Channel	IBM^^^^^ULTRIUM-HH8	KMS, SResv, SPR, WORM	No	Datacenter	Datacenter	6, 7	No	No
Ultrium 8 Half Height - SAS	IBM^^^^^ULTRIUM-HH8	KMS, WORM	No	Datacenter	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 (Retiring soon) [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 (Retiring soon)	IBM^^^^^ULT3580-HH3	WORM	6.1	11.31	10, 11	10, 11
System Storage TS2230 Ultrium 3 Half Height - SCSI (Retiring soon)	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 - Fibre Channel	IBM^^^^^ULT3580-HH8	KMS, SResv, SPR, WORM	No	No	10, 11	No
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 (Retiring soon)	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, 7.2	No	11	11
TotalStorage 3580 Ultrium 3 - Fibre Channel (Retiring soon) [1]	IBM^^^^^ULT3580-TD3	SPR, WORM	6.1	11.31	10, 11	10, 11

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 3 - SCSI (Retiring soon)	IBM^^^^^ULT3580-TD3	WORM	6.1	11.31	10	10
Ultrium 3 - Fibre Channel (Retiring soon) [1]	IBM^^^^^ULTRIUM-TD3	SPR, WORM	6.1	11.31	10, 11	10, 11
Ultrium 3 - SCSI (Retiring soon)	IBM^^^^^ULTRIUM-TD3	WORM	6.1	11.31	10	10
Ultrium 3 Half Height - SAS (Retiring soon)	IBM^^^^^ULTRIUM-HH3	WORM	6.1	11.31	10, 11	10, 11
Ultrium 3 Half Height - SCSI (Retiring soon)	IBM^^^^^ULTRIUM-HH3	WORM	6.1	11.31	10	10
Ultrium 4 (U160) - SCSI (Retiring soon)	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
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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

IBM - Support with UNIX

Device - Interface	Inquiry String	Attributes	AIX on POWER	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
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, 7.2	No	11	11
Ultrium 8 Half Height - Fibre Channel	IBM^^^^^ULTRIUM-HH8	KMS, SResv, SPR, WORM	No	No	10, 11	No
Ultrium 8 Half Height - SAS	IBM^^^^^ULTRIUM-HH8	KMS, WORM	6.1, 7.1	No	11	No

1. 4Gb Fibre Channel supported.

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 13.0.8.0 driver tested on AIX 6.1, 7.1, and 7.2. 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	Windows Server 2016 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	No	5, 6, 7	5	11, 12
StorageTek T10000B - Fibre Channel	STK^^^^^T10000B	SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	5	11, 12
StorageTek T10000C - Fibre Channel [1]	STK^^^^^T10000C	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	5	11, 12
StorageTek T10000D - Fibre Channel [1]	STK^^^^^T10000D	KMS, SResv, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	No	11, 12
VDrive - Fibre Channel	"STK^^^^^VDRIVE	SResv	Enterprise Edition	Datacenter	No	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 (Retiring soon)	QUANTUM^DLT-S4	SResv, SPR, WORM	Yes	Yes
LTO-3 HH - Fibre Channel (Retiring soon)	QUANTUM^ULTRIUM^3	SResv	Yes	Yes
LTO-5 FH - SAS	QUANTUM^ULTRIUM^5	KMS, WORM	Yes [1]	No
LTO-5 HH - SAS	QUANTUM^ULTRIUM^5	KMS, WORM	Yes [1]	No
LTO-6 HH - SAS	QUANTUM^ULTRIUM^6	KMS, WORM	Yes [1]	No
SDLT 600 - Fibre Channel (Retiring soon)	QUANTUM^SDLT600	SResv, SPR	Yes	Yes
Ultrium 8 HH - SAS	QUANTUM^ULTRIUM-HH8	KMS, WORM	Yes [1] [2]	Yes [2]

1. Requires the Veritas-supplied SAS tape-out adapter in a NetBackup 5240 Series Appliance running version 3.1 or later.

2. Requires NetBackup Appliance version 3.1 or later with NetBackup Appliance cloud configuration and device mappings updates RPM version 1.0.2 or later.

Quantum - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
DLT-S4 - Fibre Channel (Retiring soon)	QUANTUM^DLT-S4	SResv, SPR, WORM	Enterprise Edition	No	No	5, 6, 7	11, 12
DLT-S4 - SCSI (Retiring soon)	QUANTUM^DLT-S4	WORM	Enterprise Edition	No	No	5, 6	11
LTO-3 - SCSI (Retiring soon)	CERTANCEULTRIUM^3		Enterprise Edition	No	No	5, 6	11
LTO-3 HH - Fibre Channel (Retiring soon)	QUANTUM^ULTRIUM^3		Enterprise Edition	No	No	5, 6	No

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Quantum - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
LTO-3 HH - SAS (Retiring soon)	QUANTUM^ULTRIUM^3		Enterprise Edition	No	No	5, 6	11
LTO-3 HH - SCSI (Retiring soon)	QUANTUM^ULTRIUM^3		Enterprise Edition	No	No	5, 6	11
LTO-4 HH - SAS	QUANTUM^ULTRIUM^4	KMS, WORM	Enterprise Edition	Datacenter	Datacenter	No	11
LTO-5 FH - SAS	QUANTUM^ULTRIUM^5	KMS, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
LTO-5 HH - SAS	QUANTUM^ULTRIUM^5	KMS, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
LTO-6 HH - SAS	QUANTUM^ULTRIUM^6	KMS, WORM	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11, 12
SDLT 320 - SCSI (Retiring soon)	QUANTUM^SDLT320		Enterprise Edition	No	No	5, 6	11
SDLT 600 - Fibre Channel (Retiring soon)	QUANTUM^SDLT600	SPR	No	No	No	5, 6	11
SDLT 600 - SCSI (Retiring soon)	QUANTUM^SDLT600		Enterprise Edition	No	No	5, 6	11
Ultrium 4 HH - SAS	QUANTUM^ULTRIUM-HH4	KMS, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	No	No
Ultrium 5 HH - SAS	QUANTUM^ULTRIUM-HH5	KMS, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	No	No
Ultrium 6 HH - SAS	QUANTUM^ULTRIUM-HH6	KMS, SPR, WORM	Enterprise Edition	Datacenter	Datacenter	No	No
Ultrium 7 HH - SAS	QUANTUM^ULTRIUM-HH7	KMS, WORM	Enterprise Edition	Datacenter	Datacenter	No	No
Ultrium 8 HH - SAS	QUANTUM^ULTRIUM-HH8	KMS, WORM	No	Datacenter	Datacenter	6, 7	11, 12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 (Retiring soon)	QUANTUM^DLT-S4	SPR, WORM	6.1	11.31 [1]	10	10 [2]
DLT-S4 - SCSI (Retiring soon)	QUANTUM^DLT-S4	WORM	6.1	No	10	10
LTO-3 - SCSI (Retiring soon)	CERTANCEULTRIUM^3		6.1	11.31	10	10
LTO-3 HH - Fibre Channel (Retiring soon)	QUANTUM^ULTRIUM^3		No	No	10	No
LTO-3 HH - SCSI (Retiring soon)	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 (Retiring soon)	QUANTUM^SDLT320		6.1	11.31	10	10
SDLT 600 - Fibre Channel (Retiring soon)	QUANTUM^SDLT600	SPR	No	11.31	No	10
SDLT 600 - SCSI (Retiring soon)	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.

Tandberg

Tandberg - Support with NetBackup Appliance

Device - Interface	Inquiry String	Attributes	5200 Series
HH LTO 5 - SAS	TANDBERGLTO-5^HH	KMS, WORM	Yes [1]
HH LTO 6 - SAS	TANDBERGLTO-6^HH	KMS, WORM	Yes [1]

1. Requires the Veritas-supplied SAS tape-out adapter in a NetBackup 5240 Series Appliance running version 3.1 or later.

Tandberg - Support with Windows / Linux

Device - Interface	Inquiry String	Attributes	Windows Server 2008 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
HH LTO 3 - SAS (Retiring soon)	TANDBERGLTO-3^HH		Enterprise Edition	No	5, 6	No
HH LTO 4 - SAS	TANDBERGLTO-4^HH		Enterprise Edition	Datacenter	5, 6, 7	11, 12
HH LTO 5 - SAS	TANDBERGLTO-5^HH	KMS, SPR, WORM	Enterprise Edition	Datacenter	5, 6, 7	11, 12
HH LTO 6 - SAS	TANDBERGLTO-6^HH	KMS, WORM	No	Datacenter	5, 6, 7	11, 12
SDLT 320 - SCSI (Retiring soon)	TANDBERGSDLT320		No	No	5, 6	No

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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 (Retiring soon)	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 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> .

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

Minor ("double-dot") or patch 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.)

Direct Access Restore (DAR) and Directory Direct Access Restore (DDAR) are supported, unless noted otherwise.

NetBackup Appliances and NetBackup Virtual Appliances are supported with the NDMP solutions listed in the tables below. For more information on supported appliance versions, see the "Supported Functionality" subsection under "NetBackup Appliances" .

IPv6 support is shown in the tables below. IPv6 support requires NetBackup 8.1.1 or later.

64-bit inode numbers are supported.

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 "Wildcard characters in backup selections for an NDMP policy" <https://www.veritas.com/content/support/en_US/doc/24427212-131831692-0/v75620011-131831692> .

Contents

NDMP Devices - Connection Methods

The following table describes the supported NDMP connection methods.

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

NDMP Devices - Vendor Compatibility

Contents

Dell EMC

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	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	No	No	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/100031122.>
Compellent FS8600	FluidFS 4.0, FluidFS 5.0, FluidFS 6.0	Remote, 3-way	Yes	No	No	TYPE=tar environment variable must be set. TYPE=dump backups are not supported.
DR Series	Dell OS 3.2	3-way Target	No	No	No	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Dell EMC

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
Unity series	Unity Operating Environment 4.1, Unity Operating Environment 4.2, Unity Operating Environment 4.4, Unity Operating Environment 4.5, Unity Operating Environment 5.0	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.
VNX2 series	VNX File 8.1	Direct-attach, Remote, 3-way	No	Yes	Yes	"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. All models in the Dell EMC VNX2 Series are supported (VNX5200, VNX5400, VNX5600, VNX5800, VNX7600, VNX8000). 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 VNX"><http://www.veritas.com/docs/100031122. VNX> File 8.1 software requires hotfix 8.1.2.510.
VNX2e series	VNXe Operating Environment v3.1	Remote, 3-way	No	Yes	Yes	All models in the Dell EMC VNX2e Series are supported (VNXe3200). 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/100031122.>

Dell EMC

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
VNXe series	VNXe Operating Environment v2.0	Remote, 3-way	No	Yes	Yes	All models in the Dell EMC VNXe Series are supported (VNXe3100, VNXe3150, VNXe3300). 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/100031122.>
VNX series	VNX File 7.0, VNX File 7.1	Direct-attach, Remote, 3-way	No	Yes	Yes	"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. All models in the Dell EMC VNX Series are supported (VNX5100, VNX5300, VNX5500, VNX5700, VNX7500). 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/100031122.>

Dell EMC Data Domain

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
Appliance series	DDOS 5.0, DDOS 5.1, DDOS 5.3, DDOS 5.4	3-way Target	No	No	Yes	All models in the Appliance Series are supported. Configure as NDMP Tape Server.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Dell EMC Isilon

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
Scale-Out NAS	OneFS 7.1, OneFS 7.2, OneFS 8.0, OneFS 8.1, OneFS 8.2	Direct-attach, Remote, 3-way	Yes	Yes	Yes	"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. 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. IPv6 is supported with OneFS version 8.0 and later. Supported with Accelerator with NDMP with NetBackup 8.1 or later. The Dell EMC Isilon A100 Backup Accelerator is supported with this device. The Scale-Out NAS line is now known as PowerScale OneFS. The Scale-Out NAS line was previously known as IQ Storage.

Hewlett Packard Enterprise

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
X9000 Network Storage Systems series	IBRIX_X9000 5.5, IBRIX_X9000 6.0	Direct-attach, Remote, 3-way	No	No	No	All models in the Hewlett Packard Enterprise X9000 Network Storage Systems family are supported (X9300, X9320, X9720).

Hitachi

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	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	No	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	No	Yes	"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. All models in the HNAS 3000 series (3080 G1, 3080 G2, 3090 G1, 3090 G2), HNAS 4000 series (4040, 4060, 4080, 4100), and HNAS 5000 series (5200, 5300) are supported. SCSI reservation is not enabled by default. Please refer to Hitachi's documentation for details on enabling this setting in an SSO configuration. Single-dot versions of the software listed are also supported. (Example: "HDS HNAS OS 11" means HDS HNAS versions 11.0, 11.1, 11.2, etc. are also supported.) The HNAS 5000 series is not supported with NDMP over Fibre Channel at this time.
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	No	Yes	FOS 6.1 and earlier versions do not support the NetBackup Shared Storage Option.

Huawei

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
N8000 series	FileStore 5.5	Remote, 3-way	No	No	No	

Huawei

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
OceanStor Series	OS 1.0	Direct-attach, Remote, 3-way	No	No	Yes	All models in the OceanStor V3 and V5 Converged Storage Series are supported (2600 V3, 2600F V3, 5300 V3, 5300F V3, 5300 V5, 5300F V5, 5500 V3, 5500F V3, 5500 V5, 5500F V5, 5600 V3, 5600F V3, 5600 V5, 5600F V5, 5800 V3, 5800F V3, 5800 V5, 5800F V5, 6800 V3, 6800F V3, 6800 V5, 6800F V5, 6900 V3, 6900F V3, 18500 V3, 18500F V3, 18500 V5, 18500F V5, 18800 V3, 18800F V3, 18800 V5, 18800F V5).

IBM

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	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	No	No	No	Version 1.2 requires PTF2 or later.
Spectrum Virtualize series	IBM OS 1.3, IBM OS 1.5	Remote, 3-way	No	No	No	
Storwize series	IBM OS 1.3, IBM OS 1.5	Remote, 3-way	No	No	No	
System Storage N series	Data ONTAP 7.1, Data ONTAP 7.2, Data ONTAP 7.3, Data ONTAP 8.0 (7-Mode), Data ONTAP 8.0 (Cluster Mode), Data ONTAP 8.1 (7-Mode), Data ONTAP 8.1 (Cluster Mode)	Direct-attach, Remote, 3-way	No	No	Yes	"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. Data ONTAP version 8.x (7-mode) supports MultiStore (vFiler) with Remote NDMP and 3-way NDMP connection methods. Data ONTAP version 8.x (7-mode) supports NetBackup Advanced Client NAS Snapshot.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Imation

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
Nexsan NST2000	NestOS 3.1, NestOS 3.2, Unity 2.0	Remote, 3-way	No	No	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	No	No	No	Unity 2.0 software requires version 2.0.4 or later.
Nexsan NST5000	NestOS 2.1, NestOS 3.1, NestOS 3.2, Unity 2.0	Remote, 3-way	No	No	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	No	No	No	Unity 2.0 software requires version 2.0.4 or later.

Mirapoint

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
Message Server series	MOS 4.0, MOS 4.1	Direct-attach, Remote, 3-way	No	No	No	Direct Access Restore and Directory Direct Access Restore are not supported with this solution. 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	Direct Access Restore and Directory Direct Access Restore are not supported with this solution. 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.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NEC

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
NH4a	FOS 4.0, FOS 5.0	Direct-attach, Remote, 3-way	No	No	No	
NH4b	FOS 5.0, FOS 6.0, FOS 6.1	Direct-attach, Remote, 3-way	No	No	No	
NH4c	FOS 4.0, FOS 5.0	Direct-attach, Remote, 3-way	No	No	No	
NH8a	FOS 4.0, FOS 5.0	Direct-attach, Remote, 3-way	No	No	No	
NH8b	FOS 5.0, FOS 6.0, FOS 6.1	Direct-attach, Remote, 3-way	No	No	No	
NH8c	FOS 5.0, FOS 6.0, FOS 6.1	Direct-attach, Remote, 3-way	No	No	No	
NV series	SC-LX 5.1, SC-LX 6.1, SC-LX 6.2	Direct-attach, Remote, 3-way	No	No	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.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetApp

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
AFF, 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, Data ONTAP v9.6, Data ONTAP v9.7	Direct-attach, Remote, 3-way	Yes	Yes	Yes	"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. **Data ONTAP v7.1, v7.2, and v7.3 are no longer supported by NetApp.** **Data ONTAP v8.0 (7-Mode and Cluster-Mode) and v8.1 (7-Mode and Cluster-Mode) are no longer supported by NetApp.** Cluster Aware Backup (CAB) is supported in NetApp Clustered Data ONTAP (cDOT) environments. For more information, see the NDMP Administrator's Guide. Data ONTAP versions 8.0 - 8.2 (7-mode) support MultiStore (vFiler) with Remote NDMP and 3-way NDMP connection methods. Data ONTAP versions 8.0 - 8.2 (7-mode) support NetBackup Advanced Client NAS Snapshot. Data ONTAP versions 8.3 and later do not support 7-mode. For versions of Data ONTAP supported with AFF series, see the vendor's compatibility list. IPv6 is supported with Data ONTAP version 8.3 and later. Supported with Accelerator with NDMP. 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).
GX series	Data ONTAP v10.0	Direct-attach, Remote, 3-way	No	No	Yes	Does not support Auto Discovery. To manually configure this device, please see NetBackup for NDMP: NAS appliance information <https://www.veritas.com/docs/100016340> .

Nexenta

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
NexentaStor	NexentaStor 4.0.3, NexentaStor 5.1	Direct-attach, Remote, 3-way	No	No	Yes	NexentaStor 4.0.3 software requires fix pack 3 or later.

Oracle

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
Axiom series	Pillar OS 2.3, Pillar OS 3.2, Pillar OS 4.0	Direct-attach, Remote	No	No	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	No	No	Yes	
ZFS Storage Appliance series	Oracle OS 2011.04.24, Oracle OS 2013.06.05	Direct-attach, Remote, 3-way	No	No	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.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Stratus Technologies

Device	Software	Connection Method	IPv6	NetBackup Stream Handler	NetBackup Shared Storage Option	Notes
V Series	OpenVOS 17.0, OpenVOS 17.1	Remote	No	No	No	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Descriptions of Disk Storage Unit Types

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	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" <https://www.veritas.com/content/support/en_US/doc/62428570-127355758-0/index> .

AdvancedDisk - Considerations

Subject	Notes
Support assumptions	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. 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. 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: - Microsoft Azure StorSimple: "Configure StorSimple with Veritas NetBackup" <https://docs.microsoft.com/en-us/azure/storsimple/storsimple-configure-backuptarget-netbackup> 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: - Pure Storage FlashBlade - Violin Systems Flash Storage Platform 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> . 3. AdvancedDisk functionality is subject to all functional limitations as imposed either by the operating system or by the underlying file system.

Subject	Notes
Configuration considerations	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" <https://www.veritas.com/content/support/en_US/doc/59118460-127355792-0/index> .

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" <https://www.veritas.com/content/support/en_US/doc/25074086-131900563-0/index> .

PureDisk storage pool:
A NetBackup 5000 Series Appliance hosts the storage. For more information on configuring a PureDisk storage pool, see the "Configuring a storage server for a PureDisk Deduplication Pool" <https://www.veritas.com/content/support/en_US/doc/25074086-131900563-0/v73198313-131900563> .

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 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> .

NOTE: The Media Server Encryption Option (MSEO) section has been removed from this document since this feature is no longer supported.

Contents

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	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetBackup KMS - Supported Devices

Manufacturer	Model	Notes
Hewlett Packard Enterprise	Ultrium 1760 LTO4	
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	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

NetBackup KMS - Supported Devices

Manufacturer	Model	Notes
IBM	System Storage TS2370 Ultrium 7	
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 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 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

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

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.

Contents

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. 2. SAN Client is not supported over Fibre Channel over Ethernet (FCoE) using converged network adapters (CNA).
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: - 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.

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Subject	Notes
Operating system support dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

Fibre Transport Media Server - Supported Platforms

Linux FT Media Servers are supported on the platforms listed in the following table along with the NetBackup 8.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 8.x Release Supported	Notes
NetBackup 5200 and 5300 Series Appliance	3.0, 3.1, 3.1.1, 3.1.2	8.0 GA	Supported with 8 Gb HBAs in NetBackup 5230, 5240, 5330, and 5340 Appliances. Supported with 16 Gb HBAs in NetBackup 53xx Appliances running 3.1.2 or later.
Oracle Solaris 10 on SPARC	GA or later	8.0 GA	
Red Hat Enterprise Linux 5 on x86-64	GA, Update 2, Update 3, Update 4, Update 5, Update 6, Update 7	8.0 GA - Not supported as a media server with NetBackup 8.1 and later.	
Red Hat Enterprise Linux 6 on x86-64	GA, Update 1, Update 3, Update 5, Update 6, Update 7, Update 8	8.0 GA	
Red Hat Enterprise Linux 7 on x86-64	GA, Update 1, Update 2, Update 3	8.0 GA	

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Operating System	Supported Versions	Minimum NetBackup 8.x Release Supported	Notes
Red Hat Enterprise Linux 7 on x86-64	Update 4	8.1 GA 8.0 GA with the EEB associated with ET3936899	
Red Hat Enterprise Linux 7 on x86-64	Update 5, Update 6	8.1.2	Before deploying FT Media Server with Red Hat 7.5 or later see "About NetBackup 8.1.2 support for Fibre Transport Media Server with RHEL 7.5" <https://www.veritas.com/content/support/en_US/doc/125240132-131571482-0/v133491119-131571482> .
SUSE Linux Enterprise Server 11 on x86-64	SP3	8.0 GA	
SUSE Linux Enterprise Server 11 on x86-64	SP4	8.1 GA	
SUSE Linux Enterprise Server 12 on x86-64	GA	8.0 GA	
SUSE Linux Enterprise Server 12 on x86-64	SP1	8.1 GA	

Fibre Transport Media Server - Vendor Compatibility

Contents

Dell EMC	Hewlett Packard Enterprise	Hitachi
IBM	Oracle	QLogic
Sun		

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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	PCIe	5, 6, 7	11, 12
H144C [1]	PCIe	5, 6, 7	11, 12
QLE2560-E	PCIe	5, 6, 7	11, 12
QLE2562-E [1]	PCIe	5, 6, 7	11, 12
QME2472	PCIe	5	No

1. Please see Knowledge Base Article <https://www.veritas.com/docs/100005932.>

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	11, 12
AK344A	PCIe	5, 6, 7	11, 12
FC1142SR	PCIe	5	No
FC1143	PCI-X	5	No
FC1242SR DC	PCIe	5	No
FC1243	PCI-X	5	No
FCA2214	PCI-X	5	No
FCA2214DC	PCI-X	5	No
QMH2462-HP-BK	PCIe	5	No
QMH2562-HP-BK	PCIe	5, 6	11, 12
QMH2572-HP-SP	PCIe	5, 6	11, 12

1. Please see Knowledge Base Article <https://www.veritas.com/docs/100005932.>

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

1. Please see Knowledge Base Article <https://www.veritas.com/docs/100005932.>

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

1. Please see Knowledge Base Article <https://www.veritas.com/docs/100005932.>

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	PCIe	5, 6, 7	11, 12
SG-XPCiE2FC-QF8-N [1]	PCIe	5, 6, 7	11, 12

1. Please see Knowledge Base Article <https://www.veritas.com/docs/100005932.>

Oracle - Support with UNIX

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

1. Please see Knowledge Base Article <https://www.veritas.com/docs/100005932.>

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	No
QLE2500 series [1]	PCIe	5, 6, 7	11, 12
SANblade 23xx series [2]	PCI, PCI-X, SBUS, cPCI	5	No
SANblade 24xx series	PCI-X, PCIe	5	No

1. Please see Knowledge Base Article <https://www.veritas.com/docs/100005932.>

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 Knowledge Base Article <https://www.veritas.com/docs/100005932.>

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
SG-XPCI1FC-QF4	PCI	5
SG-XPCI1FC-QL2	PCI-X	5
SG-XPCI2FC-QF2 (X6768A)	PCI-X	5
SG-XPCI2FC-QF4	PCI-X	5
SG-XPCIE1FC-QF4	PCIe	5
SG-XPCIE2FC-QF4	PCIe	5

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	PCIe	10
SG-XPCIE2FC-QF4	PCIe	10

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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.

Contents

Infrastructure - Considerations	CNAs	HBAs
Bridges/Routers	Switches	

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	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> . 1. 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. 2. 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. 3. Where support is shown for "Windows Server 2016 Datacenter" it also means that the other editions of Windows Server 2016 and Windows Storage Server 2016 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.
Vendor support considerations	1. Consult the hardware vendor's web site for current firmware and driver updates (where applicable).
Configuration considerations	1. All like CNAs within a SAN should use the same firmware, BIOS and driver revision as recommended by CNA vendors.
Operating system support dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

Infrastructure - CNAs Used In Testing

Contents

Emulex	Hewlett Packard Enterprise	QLogic

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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)

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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
650FLB	PCIe	No	Datacenter	7	No
CN1000Q	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	For details on supported operating systems, please refer to the "NetBackup 8.0 - 8.x.x Operating System Software Compatibility List" <https://www.veritas.com/content/support/en_US/doc/NB_80_OSSCL> . 1. 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. 2. 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. 3. Where support is shown for "Windows Server 2016 Datacenter" it also means that the other editions of Windows Server 2016 and Windows Storage Server 2016 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.
Vendor support considerations	1. All like HBAs within a SAN should use the same firmware, BIOS and driver revision as recommended by HBA vendors. 2. Consult the hardware vendor's web site for current firmware and driver updates (where applicable).
Operating system support dropped	**1. CentOS 5 is not supported as a media server with NetBackup 8.1 and later.** **2. CentOS 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **3. CentOS 6 is not supported as a media server with NetBackup 9.0 and later.** **4. Hewlett Packard Enterprise HP-UX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating HP-UX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **5. IBM AIX (all versions) is not supported as a media server with NetBackup 8.1.2 and later.** For information on migrating AIX master and media servers to other platforms, see the "NetBackup Master Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MasterServerMigration> and the "NetBackup Media Server Migration Guide" <https://www.veritas.com/content/support/en_US/doc/MediaServerMigration> . **6. Red Hat Enterprise Linux 5 is not supported as a media server with NetBackup 8.1 and later.** **7. Red Hat Enterprise Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **8. Red Hat Enterprise Linux 6 is not supported as a media server with NetBackup 9.0 and later.** **9. Oracle Linux 6 GA through Update 7 are not supported as a media server with NetBackup 8.1.2 and later.** **10. SUSE Linux Enterprise Server 11 is not supported as a media server with NetBackup 8.3 and later.** **11. SUSE Linux Enterprise Server 12 GA through SP2 is not supported as a media server with NetBackup 8.3 and later.** **12. Windows 2008 and 2008 R2 are not supported by Microsoft as of January 14, 2020.**

Infrastructure - HBAs Used In Testing

Contents

ATTO

ATTO - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
FC-21PS	PCI	No	No	5	No
FC-22XH	PCI-X	No	No	5	No
FC 16Gb/s Gen 6	PCIe	Datacenter	No	6	12
FC 32Gb/s Gen 6	PCIe	No	Datacenter	No	No

ATTO - Family Membership

Device Family	Members
FC 16Gb/s Gen 6	CTFC-161P, CTFC-162P, CTFC-164P
FC 32Gb/s Gen 6	CTFC-321E, CTFC-322E, CTFC-324E

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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	11
1860 (FC)	PCIe	No	No	7	12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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	Windows Server 2016 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	No	5	11
LP90xx / 94xx / 95x series (Centaur ASIC)	PCI, PCI-X, SBUS, cPCI	Enterprise Edition	No	No	5, 6	No
LP98xx / 98x series (Pegasus ASIC)	PCI, PCI-X	Enterprise Edition	Datacenter	No	5, 6, 7	11
LP1100x / 1150 series (Helios ASIC)	PCI-X	Enterprise Edition	No	No	5, 6	No
LPe11xxx / 115x series (Zephyr ASIC)	PCIe	Enterprise Edition	No	No	5, 6	No
LPe12xxx / 125x series (Saturn ASIC)	PCIe	Enterprise Edition	Datacenter	No	5	12
LPe16xxx / 15xxx series (Lancer ASIC)	PCIe	Enterprise Edition	Datacenter	No	6, 7	12
LPe31000 / LPe32000 series (Gen 6)	PCIe	No	Datacenter	Datacenter	No	No
SN1000E	PCIe	No	No	No	7	No
SN1100E2P	PCIe	No	Datacenter	No	7	12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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
LPe11xxx / 115x series (Zephyr ASIC)	PCIe	No	No	10, 11	10
LPe12xxx / 125x series (Saturn ASIC)	PCIe	No	No	10	10
LPe16xxx / 15xxx series (Lancer ASIC)	PCIe	No	No	No	10, 11
SN1100E2P	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)
LPe31000 / LPe32000 series (Gen 6)	LPe31000-M6, LPe31002-M6, LPe31004-M6, LPe31004-M6-SIO, LPe32000-M2, LPe32002-M2, LPe32004-M2-SIO

Hewlett Packard Enterprise

Hewlett Packard Enterprise - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
42B	PCIe	Enterprise Edition	No	No	5	No
82B	PCIe	Enterprise Edition	No	No	No	11
82E	PCIe	Enterprise Edition	No	No	6	11
451871-B21	PCIe	No	No	No	5	No
A7388A	PCI-X	Enterprise Edition	No	No	No	No
AB379A	PCI-X	No	No	No	5	No
AH403A	PCIe	No	No	No	No	12
AJ763A	PCIe	No	Datacenter	Datacenter	No	No
AJ764A	PCIe	Enterprise Edition	No	No	5	No
FC1243	PCI-X	Enterprise Edition	No	No	No	No
FC2243 DC	PCI-X	Enterprise Edition	No	No	No	No
FCA2214DC	PCI-X	No	No	No	5	No
SN1000E	PCIe	No	Datacenter	No	No	No
SN1000Q / SN1100Q series	PCIe	Enterprise Edition	No	No	6	12

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

Hewlett Packard Enterprise - Support with UNIX

Device Family	Bus Type	HP-UX on IA64	Solaris on SPARC	Solaris on x86-64
82E	PCIe	No	No	11
A6795A	PCI	11.31	No	No
A9784-60002	PCI-X	11.31	No	No
AB379B	PCI-X	11.31	No	No
AD355-60001	PCIe	11.31	No	No
AD355A	PCI, PCI-X, PCIe	11.31	No	No
AH400A		No	10, 11	No
AH401	PCIe	No	10	No
AH402A		No	10	No
AH403A	PCIe	11.31	No	No
AJ763A	PCIe	11.31	No	No
FC1242SR DC	PCIe	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
HFC040x series	PCI-X, PCIe	Enterprise Edition	5
HFCE080x series	PCIe	Enterprise Edition	5

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	PCIe	7.1
1977	PCI-X	6.1
5716	PCI-X	6.1, 7.1
5735	PCIe	7.1, 7.2
5759	PCI-X	6.1, 7.1
5774	PCIe	6.1
6227	PCI	6.1
6228	PCI	6.1
6239	PCI-X	6.1
FC 5273	PCIe	7.1

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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
LSI7102XP-LC	PCI-X	Enterprise Edition	No
LSI7202XP-LC	PCI-X	Enterprise Edition	No
LSI7402XP-LC	PCI-X	Enterprise Edition	No
LSI40919	PCI	No	5

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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

QLogic

QLogic - Support with Windows / Linux

Device Family	Bus Type	Windows Server 2008 x64	Windows Server 2012 x64	Windows Server 2016 x64	Red Hat Enterprise Linux on x86-64	SUSE Linux Enterprise Server on x86-64
QLA2x0 series	PCI-X	No	No	No	5	No
QLA235x series	PCI-X	No	No	No	5	No
QLE236x series	PCIe	Enterprise Edition	No	No	5, 6	No
QLE2400 series	PCIe	Enterprise Edition	Datacenter	No	5	11
QLE2500 series	PCIe	Enterprise Edition	Datacenter	Datacenter	5, 6, 7	11
QLE2600 series	PCIe	Enterprise Edition	Datacenter	No	7	No
QLE2670 series	PCIe	Enterprise Edition	Datacenter	Datacenter	6, 7	11
QLE2700 series	PCIe	No	No	No	No	12
QLE8300 series (FC)	PCIe	No	No	No	6	No
QLE10000 series	PCIe	No	No	No	6	No
SANblade 23xx series	PCI, PCI-X, SBUS, cPCI	Enterprise Edition	No	No	5, 6	No
SANblade 24xx series	PCI-X, PCIe	Enterprise Edition	Datacenter	No	5, 7	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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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	PCIe	10	No
SG-XPCIE1FC-QF4	PCIe	10	No
SG-XPCIE2FC-EM4	PCIe	10	No
SG-XPCIE2FC-QF4	PCIe	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

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

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)

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

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, SAN Switch SN6000B 16GB 48/48
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 8.0 - 8.x.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	CDL300 Series
Fujitsu	ETERNUS CS800 S2, ETERNUS CS800 S3
Hewlett Packard Enterprise	D2D4000 Series Backup System, D2D4100 G2 Series Backup System, D2D4100 Series Backup System, D2D4112fc Backup System, D2D4300 G2 Series Backup System, D2D4312 G2 Backup System, VLS 12000 EVA Gateway, VLS 12200 EVA Gateway, VLS 9200 Series
SEPATON	S2100

Tape Libraries

Manufacturer	Device
Dell EMC	PowerVault 160T, PowerVault ML6000 Series, PowerVault TL2000, PowerVault TL4000
Fujitsu	ETERNUS LT120, ETERNUS LT130, ETERNUS LT160, ETERNUS LT20, ETERNUS LT210 (T16A), ETERNUS LT210 (T16A2), ETERNUS LT220 (T16A), ETERNUS LT220 (T16A2), ETERNUS LT230 (T40A), ETERNUS LT230 (T40A2), ETERNUS LT250, ETERNUS LT270, ETERNUS LT40, ETERNUS LT60, FibreCAT TX08, FibreCAT TX24, FibreCAT TX48, FibreCAT TX48 S2
Hewlett Packard Enterprise	1/8 G2 Tape Autoloader, EML E-Series, EML E-Series 103e, EML E-Series 245e, EML E-Series 348e, EML E-Series 375e, EML E-Series 442e, EML E-Series 469e, EML E-Series 505e, EML E-Series 71e, ESL E-Series, ESL E-Series 322e, ESL E-Series 712e, MSL2024, MSL4048, MSL8048, MSL8096
Hitachi	L18/500
IBM	33614LX, 33622LX, 3607 1x16, StorageSmart SL7, StorageSmart SL72, StorageSmart SL7500, System Storage TS3200 (Machine Type 3573), System Storage TS3310 (Machine Type 3576)
NEC	iStorage T180, iStorage T40, iStorage T700, iStorage T80, LL0101H, SL0101H, T100A, T100A2, T16A, T16A2, T40A, T40A2, T700A, T700A2
Oracle	StorageTek SL24, StorageTek SL48, StorageTek SL500, Sun STK SL3000
Overland Storage	ARCvault series, NEO 100s 2nd Generation, NEO 2000e, NEO 200s, NEO 200s 2nd Generation, NEO 4000e, NEO 400s, NEO 400s 2nd Generation, NEO 8000, NEO series

Tape Libraries

Manufacturer	Device
Qualstar	RLS-6000 (S)DLT series, RLS-8000 LTO series, RLS-8000D LTO series, RLS-85120, TLS-6000 DLT series, TLS-6220, TLS-8000 LTO series, XLS-8000
Quantum	PX720, Scalar 50 (SCALAR50), Scalar i2000, Scalar i500, SuperLoader 3
Spectra Logic	Spectra T120
Tandberg	StorageLibrary T24, StorageLibrary T40, StorageLibrary T48, StorageLoader 2U LTO, SuperLoader DLT 1280L, SuperLoader SDLT 3520L, SuperLoader SDLT 5120L

Tape Drives

Manufacturer	Device
Dell EMC	PowerVault 110T LTO2 (Gen2 IBM), PowerVault 110T SDLT320, PowerVault 110T VS160, PowerVault 160T LTO2
Hewlett Packard Enterprise	Ultrium 1760 LTO4, Ultrium 1840 LTO4, Ultrium 920 LTO3, Ultrium 960 LTO3
IBM	System Storage TS1030 (3588 Model F3B) Ultrium 3, System Storage TS2230 Ultrium 3 Half Height, System Storage TS2340 Ultrium 4, TotalStorage 3580 Ultrium 3, Ultrium 3, Ultrium 3 Half Height, Ultrium 4 (U160)
Quantum	DLT-S4, LTO-3, LTO-3 HH, SDLT 320, SDLT 600
Tandberg	HH LTO 3, SDLT 320

Veritas NetBackup ™ Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (HCL)