Custom Reports Using Data Collectors

NetBackup Virtual Appliance (VMware vSphere 5.5 - x86-64) was last updated in the release.

Installation and Upgrade Checklist Report for NetBackup Virtual Appliance 3.1.2, VMware vSphere 5.5, x86-64

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Install Information

NetBackup Virtual Appliance (VMware vSphere 5.5 - x86-64) was last updated in the release.

Procedure Overview:

Install the NetBackup Virtual Appliance 3.1.2 release.
For details of new features and changes, please refer to: NetBackup Virtual Appliance Documentation.
For download and installation instructions, please go to: Veritas Download Center.

Compatibility between NetBackup versions   **Back to top**

For compatibility between major versions, the latest available release of NetBackup is compatible with media servers and clients that run a release of NetBackup that is up to one major version behind. However, this compatibility ceases to be supported in any configuration once the previous major version has reached its End of Support Life.
For information on Veritas End of Life Policy, refer to https://www.veritas.com/support/en_US/article.000116439

NetBackup does not support any scenario where a media server or client runs a software release update version that is higher than that of their Master server.
For more information, refer to the NetBackup Release Notes and the NetBackup Upgrade Guide: https://www.veritas.com/support/en_US/article.000116412

NetBackup Master Server	NetBackup Media Server	NetBackup Client
8.0	7.0	7.0
8.0	7.0.1	7.0, 7.0.1
8.0	7.1, 7.1.0.x	7.0, 7.0.1, 7.1, 7.1.0.x
8.0	7.5, 7.5.0.x	7.0, 7.0.1, 7.1, 7.1.0.x, 7.5, 7.5.0.x
8.0	7.6, 7.6.0.x	7.0, 7.0.1, 7.1, 7.1.0.x, 7.5, 7.5.0.x, 7.6, 7.6.0.x
8.0	7.6.1, 7.6.1.x	7.0, 7.0.1, 7.1, 7.1.0.x, 7.5, 7.5.0.x, 7.6, 7.6.0.x,7.6.1,7.6.1.x
8.0	7.7	7.0, 7.0.1, 7.1, 7.1.0.x, 7.5, 7.5.0.x, 7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7

8.0	7.7.1	7.0, 7.0.1, 7.1, 7.1.0.x, 7.5, 7.5.0.x, 7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1
8.0	7.7.2	7.0, 7.0.1, 7.1, 7.1.0.x, 7.5, 7.5.0.x, 7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2
8.0	7.7.3	7.0, 7.0.1, 7.1, 7.1.0.x, 7.5, 7.5.0.x, 7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3
8.0	8.0	7.0, 7.0.1, 7.1, 7.1.0.x, 7.5, 7.5.0.x, 7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0
8.1	7.7	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7
8.1	7.7.1	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1
8.1	7.7.2	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2
8.1	7.7.3	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3
8.1	8.0	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0
8.1	8.1	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0, 8.1
8.1.1	7.7	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7
8.1.1	7.7.1	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1
8.1.1	7.7.2	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2
8.1.1	7.7.3	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3
8.1.1	8.0	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0
8.1.1	8.1	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0, 8.1
8.1.1	8.1.1	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0, 8.1, 8.1.1
8.1.2	7.7	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7
8.1.2	7.7.1	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1
8.1.2	7.7.2	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2

8.1.2	7.7.3	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3
8.1.2	8.0	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0
8.1.2	8.1	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0, 8.1
8.1.2	8.1.1	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0, 8.1, 8.1.1
8.1.2	8.1.2	7.6, 7.6.0.x,7.6.1,7.6.1.x, 7.7, 7.7.1, 7.7.2, 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2
8.2	8.0	7.7.3, 8.0
8.2	8.1	7.7.3, 8.0, 8.1
8.2	8.1.1	7.7.3, 8.0, 8.1, 8.1.1
8.2	8.1.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2
8.2	8.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2
8.3	8.0	7.7.3, 8.0
8.3	8.1	7.7.3, 8.0, 8.1
8.3	8.1.1	7.7.3, 8.0, 8.1, 8.1.1
8.3	8.1.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2
8.3	8.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2
8.3	8.3	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3
8.3	8.3.0.1	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1
8.3	8.3.0.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1, 8.3.0.2
8.3.0.1	8.1	7.7.3, 8.0, 8.1
8.3.0.1	8.1.1	7.7.3, 8.0, 8.1, 8.1.1
8.3.0.1	8.1.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2
8.3.0.1	8.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2
8.3.0.1	8.3	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3

8.3.0.1	8.3.0.1	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1
8.3.0.1	8.3.0.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1, 8.3.0.2
8.3.0.2	8.1	7.7.3, 8.0, 8.1
8.3.0.2	8.1.1	7.7.3, 8.0, 8.1, 8.1.1
8.3.0.2	8.1.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2
8.3.0.2	8.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2
8.3.0.2	8.3	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3
8.3.0.2	8.3.0.1	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1
8.3.0.2	8.3.0.2	7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1, 8.3.0.2

Other general rules for compatibility:
• OpsCenter/OpsCenter Analytics must always be running the same or higher Dot-Zero or Single-Dot or Double-Dot release as the master servers in the environment.
• All components (master, media, client, console, and agent) on an individual system must be at the same version.
• Backup images created under an older version of NetBackup will always be recoverable with a newer version of NetBackup
• A new feature may not be functional until the master, media and client are updated.
• Administration Consoles cannot be at an earlier version than the NetBackup server version they connect to via the "change server" functionality in the console

NetBackup Software Compatibility Documentation:
NetBackup 8.0 - 8.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
8.0 - 8.x.x OS Software Compatibility List Updates
NetBackup 5xxx Appliance Compatibility
Appliance Compatibility List

Late Breaking News - Available Hot Fixes   **Back to top**

Available hot fixes - for details and download information, consult the Update link in the table.

For more information about installation instructions, please review NetBackup Virtual Appliance 3.1.2 on Support site.

Hot Fix	Description	Install Location
UPD257682	NetBackup 8.1.2 / 3.1.2 Hotfix - MSDP post-upgrade performance issues (Etrack 3956103)	Cross-Platform
UPD469902	NetBackup 8.1.2 / 3.1.2 HotFix - Replicated VMWare images have incorrect target expiration (Etrack 3981646)	Cross-Platform
UPD634314	NetBackup 8.1.2 / 3.1.2 Hotfix - SQL/ Oracle IP launch every minute after DST change (Etrack 3963053)	Cross-Platform
UPD277463	NetBackup Appliance 3.1.2 HotFix - Split Brain and Megasr driver update (article 100044815)	Appliance
UPD813520	Cloud Catalyst sync_to_cloud tool	Linux
UPD773233	NetBackup Appliance Upgrade Readiness Analyzer	Appliance
UPD289903	VTS22-004 - Hotfix for Security Advisory impacting NetBackup 8.1.2 and Appliance 3.1.2 Master and Media Server (Etrack 4072309)	Cross-platform
UPD499936	Apache Log4j Vulnerabilities Mitigation Hot Fixes for NetBackup Appliance versions 3.x/4.x	Appliance
UPD427269	NetBackup Appliance 3.1.2+ HotFix - Passwords appear in console (article 100045024)	Appliance
UPD419630	NetBackup Appliance 3.1.2 HotFix - Resolving JRE security vulnerabilities (article 100045949)	Appliance

UPD476514	NetBackup 8.1.2 / 3.1.2 HotFix - Virtual Machine will not boot after restore (Etrack 3976070)	Cross-Platform
UPD615838	PCI Plugin load issue on NetBackup Appliances (article 100044974)	Appliance
UPD575957	NetBackup 8.1.2 . 3.1.2 Hotfix - Tomcat and nbwebsvc certs not auto renewed on Japanese OS (Etrack 3967638)	Cross-Platform

NetBackup Documentation References:

Late Breaking News and Important Updates about NetBackup Appliances

Appliances Supported Versions and Functionality   **Back to top**

NetBackup Appliances are Veritas-branded devices offering backup and deduplication solutions for enterprise environments in an appliance form factor. For more information, see the "NetBackup Appliances" page.

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. Late breaking news related to NetBackup Appliances is available here.

NetBackup Appliance packages and hotfixes are available on Downloads Center.

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

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] |

Footnotes

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
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
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

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"), application and database agents (see the "NetBackup 8.0 - 8.x.x Database and Application Agent Compatibility List"), 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" . For more information on this feature, see the "About NetBackup Accelerator for NDMP" .

Accelerator with VMware-type policies	2.7.1	5200 Series, 5300 Series, Virtual	
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" .
Copilot for Oracle	2.7.1	5230, 5240, 5330, 5340	For more information on this feature, see the "NetBackup Copilot for Oracle Configuration Guide" .
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" .
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" .

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" . For details on supported platforms for instant recovery restore hosts, see "Support for NetBackup 7.7.x, 8.x, and 9.x in virtual environments" .
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" and the "NetBackup for VMware Administrator's Guide" .
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" .

OpsCenter	2.7.1	5200 Series, 5300 Series, Virtual	
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
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.

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Browser Requirements for NetBackup Web UI   **Back to top**

The NetBackup Web UI is compatible with the latest vendor-supported versions of web browsers.
For the best experience with the NetBackup Web UI, Veritas recommends that you use Google Chrome or Mozilla Firefox, without any plug-ins.

Web Browser	Versions	Notes
Mozilla Firefox	60 or later.	The latest browser edition is recommended. Download from https://www.mozilla.org/en-US/firefox/
Google Chrome	65 or later.	The latest browser edition is recommended. Download from https://www.google.com/chrome/

NetBackup Software Compatibility Documentation:
NetBackup 8.0 - 8.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
8.0 - 8.x.x OS Software Compatibility List Updates

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This feature is not supported on this platform.

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Cloud Configuration Files   **Back to top**

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".

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.UPD971796.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)
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)
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)
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)
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
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
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)

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

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This feature is not supported on this platform.

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Cloud Storage Solutions   **Back to top**

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.

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" . 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" . 2. NetBackup-provided Cloud connectors are not supported with IPv6, unless noted otherwise. Configuring these plug-ins with IPv6 may result in unpredictable behavior.

Cloud Storage - Supported Cloud Technology Methods

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

Contents (for details click on the checkbox)

S3 Storage	Swift Storage	Microsoft Azure Storage
Atmos Cloud Storage	Rackspace Cloud Storage	OST
Advanced Disk Targets	VTL	

Cloud Storage - Vendor Compatibility

Contents (for details click on the checkbox)

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

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This feature is not supported on this platform.

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NDMP Devices Compatibility List   **Back to top**

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".

For NetBackup for NDMP vendor-specific configuration information, refer to "NetBackup for NDMP: NAS appliance information".

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".

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 (for details click on the checkbox)

Dell EMC	Dell EMC Data Domain	Dell EMC Isilon
Hewlett Packard Enterprise	Hitachi Vantara	Huawei
IBM	Imation	Mirapoint
NEC	NetApp	Nexenta
Oracle	Stratus Technologies	

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Encryption and Security Solutions   **Back to top**

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".

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

NetBackup Key Management Service (KMS)

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

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

NetBackup KMS - Supported Devices

Manufacturer	Model	Notes
Dell EMC	PowerVault LTO4-120	
Dell EMC	PowerVault LTO5-140	
Dell EMC	PowerVault LTO-6	
Dell EMC	PowerVault LTO-6 HH	
Dell EMC	PowerVault LTO-7	
Dell EMC	PowerVault LTO-7 HH	
Hewlett Packard Enterprise	Ultrium 1760 LTO4	
Hewlett Packard Enterprise	Ultrium 1840 LTO4	
Hewlett Packard Enterprise	Ultrium 3000 LTO5	
Hewlett Packard Enterprise	Ultrium 3280 LTO5	
Hewlett Packard Enterprise	Ultrium 6250 LTO6	
Hewlett Packard Enterprise	Ultrium 6650 LTO6	
Hewlett Packard Enterprise	Ultrium 15000 LTO7	

Hewlett Packard Enterprise	Ultrium 15750 LTO7	
Hewlett Packard Enterprise	Ultrium 30750 LTO8	
IBM	System Storage TS1040 Ultrium 4	Requires firmware version 7BG2 or later.
IBM	System Storage TS1050 Ultrium 5	
IBM	System Storage TS1060 Ultrium 6	
IBM	System Storage TS1070 Ultrium 7	
IBM	System Storage TS1120 (3592 Model E05)	Requires firmware version 1C15 or later.
IBM	System Storage TS1130 (3592 Model E06)	Requires firmware version 2480 or later.
IBM	System Storage TS1140 (3592 Model E07)	
IBM	System Storage TS1150 (3592 Model E08)	
IBM	System Storage TS1155 (3592 Model 55F)	
IBM	System Storage TS2240 Ultrium 4 Half Height	
IBM	System Storage TS2250 Ultrium 5 Half Height	
IBM	System Storage TS2260 Ultrium 6 Half Height	
IBM	System Storage TS2270 Ultrium 7 Half Height	
IBM	System Storage TS2280 Ultrium 8 Half Height	
IBM	System Storage TS2340 Ultrium 4	Requires firmware version 7BG2 or later.
IBM	System Storage TS2350 Ultrium 5	
IBM	System Storage TS2360 Ultrium 6	
IBM	System Storage TS2370 Ultrium 7	
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 Hardware Compatibility Documentation:
NetBackup 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List (last updated on May 22, 2023)
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Veritas is committed to providing the best possible data protection experience for NetBackup customers on the widest variety of platforms, operating systems, databases, applications, and hardware. Veritas is continuously reviewing NetBackup's support of these items to ensure the proper balance of supporting their General Availability release, the very latest versions of new software, hardware and introducing new features and functionality and maintaining support for existing and older versions of these products and NetBackup functionality. While Veritas is continually adding support for new features, platforms, operating systems, and applications, it may be also necessary to improve, replace, or remove support in NetBackup for lesser used, older features, functionality, software, OS, databases, applications, integration with other products, and hardware that are no longer supported or nearing their end of support life from the manufacturer from NetBackup Compatibility Lists.

To better help its customers to plan for these upcoming changes to the support status of these items in NetBackup, Veritas will provide advanced notification as soon as possible as listed below. Veritas intends to list the older product functionality, features, hardware, OS, and 3rd party software products that will no longer be supported in the next release of NetBackup. If possible, these items are listed at least six months before that release.

The information below lists certain features, functionality, 3rd-party and Veritas products, applications, databases, and OS/ Platforms for which Veritas intends to replace with newer and improved functionality, or in some cases, discontinue without replacement. The last release of NetBackup to proliferate support of the item is provided. Technotes in the Notes column contain additional details about available replacement options. Where a major, minor or release update version is specified, the feature or platform is supported through the last Maintenance Update (patch) of that release. Where 'All' is specified, it is supported for all versions or variations of the family of the relevant or supported platforms.

Check this site frequently for updated information for NetBackup. If an item listed below will cause significant business impacts, contact your Veritas Sales Account Team. Please note that the official NetBackup Support Lifecycle for your existing NetBackup product version won't be affected or altered in any way. For the official Veritas Support Lifecycle Policy of all NetBackup versions, see https://www.veritas.com/content/support/en_US/terms/support-fundamentals.html.

Information in the following table contains plans starting with NetBackup 7.5. For information concerning no longer supported platforms, consult the following section of the report.

Information in the following table was last updated on **2023-10-23**.

Date Added/ Modified	Feature/ Functionality/ OS/Platform	NetBackup Area	OS/Platform	OS/Platform Version	CPU Architecture	Last Supported Release	Notes
2022-04-19	All	OpsCenter	All	All	All	10.0.0.1	

2021-06-03	VMware Cloud Director 9.0, 9.1, 9.5	All	All	All	All	9.0.0.1	VMware Cloud Director 9.0, 9.1, 9.5 to be not supported from NetBackup 9.1 onwards.
2017-05-25	Pre-7.7 backlevel administration with the Java GUI	Master Server, Media Server, Client	All	All	All	8.0	Pre-7.7 versions were EOSL Febuary 1, 2017. The 8.0 Windows remote administration console can be installed if needing to administer pre-7.7 NetBackup servers or perform backups/ restores of pre-7.7 clients.
2017-05-19	Remote (push) installations of UNIX/Linux clients using ftp	Master Server, Client	All UNIX and Linux	All	All	8.0	Use the sftp method as the alternative. Push install from the administration console is being changed to use ssh.

| 2017-05-19 | Remote (push) installations of UNIX/Linux clients using rsh | Master Server, Client | All UNIX and Linux | All | All | 8.0 | Use the ssh method as the alternative. Push install from the administration console is being changed to use ssh as well. |
| 2017-04-19 | NetBackup High Availability (HA) Media Server | Media Server | All | All | All | 8.0 | HA Media Server was End of Life for new installs with NetBackup 7.7 and only upgrades from 6.5 were supported. This will now continue the EOL for HA Media Server with regards to upgraded HA Media Server moving forward with the Jasper release. NetBackup Media Server App_Clusters will not be impacted. |

							NetBackup HA Appliances are not impacted.
2017-04-19	DB2 versions 9.1, 9.5, 9.7 & 10.1	NetBackup for DB2	All	All	All	8.0	
2017-03-14	Replication Director for EMC VNX	Replication Director	All	All	All	8.0	
2016-04-13	Backup Exec Tape Reader	Master Server, Media Server	All	All	All	7.6.1	Statement of direction for Backup Exec Tape Reader - http://www.veritas.com/docs/000005737
2016-01-11	BMR - XenServer support	Client	All	All	All	7.7.3	
2014-12-12	Backup Exec Reporting	OpsCenter	All	All	All	7.6.1	Backup Exec reporting will be handled by the Backup Exec Enterprise Server Option that includes the Central Admin Server Option.
2014-12-12	OpsCenter NetBackup 6.x Support	OpsCenter Agent	All	All	All	7.6	

2014-12-12	OS/2 Policy Type	Master Server, Client	All master server and OS/2 clients	All	All	7.6.1	
2014-12-12	NetWare Policy Type	Master Server, Client	All master server and NetWare clients	All	All	7.6.1	
2014-12-12	AFS Policy Type	Master Server, Client	All master server and UNIX/Linux clients	All	All	7.6.1	
2014-12-12	NetBackup Search	NetBackup Search	All	All	All	7.6.1	
2014-12-12	Support for Nirvanix as a cloud storage platform.	Media Server	All	All	All	7.6.1	
2014-12-12	Oracle 8i, 9i and 10g support	NetBackup for Oracle	All	All	All	7.6.1	
2014-12-12	Sybase 12	NetBackup for Sybase	All	All	All	7.6.1	
2014-12-12	Sybase 12.5	NetBackup for Sybase	All	All	All	7.6.1	
2014-12-12	Menu interfaces (bpadm and vmadm)	Master Server, Media Server	All master and media server	All	All	7.6.1	
2014-02-11	NetBackup for VMware support of ESX 3.x, vCenter2.x	NetBackup for VMware	VMware	All	All	7.5.0.6	Vmware no longer supports these pre-vSphere 4.0 platforms

2013-06-20	IBM Tivoli Storage Manager Reporting	OpsCenter Analytics	All	All	All	7.5	
2013-06-20	VMware Agent VCB Backup and Restore	NetBackup for VMware	All	All	All	7.5	Replaced with VMware API's for Data Protection (VADP) integrated support as a direct replacement.
2013-06-20	OpsCenter ThreatCon Security Integration	OpsCenter	All	All	All	7.5	Feature discontinued with no replacement planned.
2013-06-20	Remote-EMM and Shared-EMM server configurations	Master Server, Media Server	All	All	All	7.5	Stop supporting the use of shared EMM/NBDB across multiple NetBackup domains/ master servers
2013-06-20	Enterprise Vault Reporting	OpsCenter	All	All	All	7.5	Enterprise Vault reporting will now be handled directly by Enterprise Vault in future

							versions of that product.
2013-06-20	EMC Legato NetWorker Reporting	OpsCenter Analytics	All	All	All	7.5	

NetBackup Software Compatibility Documentation:
NetBackup 8.0 - 8.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
8.0 - 8.x.x OS Software Compatibility List Updates

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Product End of Life Information

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