Custom Reports Using Data Collectors

NetBackup Virtual Appliance (VMware vSphere 6.7 - x86-64) was last updated in the 5.0 release.

Get ready for a newer version of NetBackup Virtual Appliance (5.0)

Installation and Upgrade Checklist Report for NetBackup Virtual Appliance 3.2, VMware vSphere 6.7, x86-64

Index

NEW! = New content since the last release of SORT

Install Information   **Back to top**

NetBackup Virtual Appliance (VMware vSphere 6.7 - x86-64) was last updated in the 5.0 release.

Get ready for a newer version of NetBackup Virtual Appliance (5.0)

Procedure Overview:

Install the NetBackup Virtual Appliance 3.2 release.
For details of new features and changes, please refer to: Veritas 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 3.2 on Support site.

Hot Fix	Description	Install Location
UPD868820	NetBackup 8.2 and NetBackup Appliance 3.2 EEB Package (Etrack 3998268)	Appliance
UPD289095	NetBackup Appliance Veritas VxVM and SystemD integration	Appliance
UPD754616	NetBackup 8.2 / 3.2 HotFix - EEB Bundle containing multiple nbsl and nbsl.exe fixes (Etrack 4002172)	Cross-Platform
UPD891447	Appliance Management Server 1.4.1	Appliance
UPD829026	NetBackup 8.2 / 3.2 Hotfix - Backups fail with status 50 and 150 under load after upgrade to 8.2 (Etrack 3983739)	Cross-Platform
UPD813520	Cloud Catalyst sync_to_cloud tool	Linux
UPD773233	NetBackup Appliance Upgrade Readiness Analyzer	Appliance
UPD499936	Apache Log4j Vulnerabilities Mitigation Hot Fixes for NetBackup Appliance versions 3.x/4.x	Appliance
UPD621711	VTS22-011 & VTS22-010 - Hotfix for Security Advisory impacting NetBackup 8.2 and Appliance 3.2 Master and Media Server (Etrack 4069659)	Cross-platform
UPD245887	Appliance Management Server 2.1	Cross-platform

NetBackup Documentation References:

Late Breaking News and Important Updates about NetBackup Appliances

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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 (Primary/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 Primary 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
3.3.0.1	5340, 5330	8.3.0.1
3.2	5340, 5330	8.2
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

NetBackup 5200 Series - Supported Versions

NetBackup 5200 Series Appliance Release	Supported NetBackup Appliance Models	Based on NetBackup Release
3.3.0.1	5250, CloudCatalyst 5240, 5240, 5230	8.3.0.1
3.2	5250 , CloudCatalyst 5240, 5240, 5230[1]	8.2
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

Footnotes

1. The Veritas 5250 Appliance requires a revised version of 3.2.

NetBackup Virtual Appliance - Supported Versions

NetBackup Virtual Appliance Release	Based on NetBackup Release	Supported Platforms
3.3.0.1	8.3.0.1	vSphere 6.0, 6.5, 6.7, 7.0
3.2	8.2	vSphere 6.0, 6.5, 6.7
3.1.2	8.1.2	vSphere 5.5, 6.0, 6.5
3.1.1	8.1.1	vSphere 5.5, 6.0, 6.5
3.1	8.1	vSphere 5.5, 6.0, 6.5
3.0	8.0	vSphere 5.5, 6.0

NetBackup Flex Appliance - Supported Versions

NetBackup Flex Appliance Release	Supported NetBackup Appliance Models	Supported NetBackup Primary Server Versions	Supported NetBackup Media Server Versions	WORM (OST Target)
2.1.2	5350 (Configuration A, B, C), 5340 (Configuration A, B, C, D, E, F, G, H, J),	10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1	10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1	17.0, 16.0.1, 16.0, 15.0.2, 15.0, 14.0.1,

	5250 (Configuration A, B, C, D, E, F), 5150			14.0, 13.0.2, 13.0.1.1[1][2] [3][4][5][6][7][8]
2.1.1	5350 (Configuration A, B, C), 5340 (Configuration A, B, C, D, E, F, G, H, J), 5250 (Configuration A, B, C, D, E, F), 5150	10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1	10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1	17.0, 16.0.1, 16.0, 15.0.2, 15.0, 14.0.1, 14.0, 13.0.2, 13.0.1.1[1][2] [3][4][5][6][7][8]
2.1	5350 (Configuration A, B, C), 5340 (Configuration A, B, C, D, E, F, G, H, J), 5250 (Configuration A, B, C, D, E, F), 5150	10.0.0.1, 10.0, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1	10.0.0.1, 10.0, 9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1	16.0.1, 16.0, 15.0.2, 15.0, 14.0.1, 14.0, 13.0.2, 13.0.1.1[1][2][3][4] [5][6][7]
2.0.1	5350 (Configuration A, B, C), 5340 (Configuration A, B, C, D, E, F, G, H, J), 5250 (Configuration A, B, C, D, E, F), 5150	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1	15.0.2, 15.0, 14.0.1, 14.0, 13.0.2, 13.0.1.1[1][2] [3][4][5]
2.0	5340 (Configuration A, B, C, D, E, F, G, H, J), 5150	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.2	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.2	14.0.1, 14.0, 13.0.2, 13.0.1.1[1][2][3]
1.3.1	5340 (Configuration A), 5150	8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1[9]	8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1[9]	Not supported
1.3	5340 (Configuration A), 5150	8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1[9]	8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1[9]	Not supported

Footnotes

1. WORM storage server version 13.0.2 requires NetBackup primary and media server version 8.3.0.2 or later.
2. WORM storage server version 14.0 requires NetBackup primary and media server version 9.0 or later.
3. WORM storage server version 14.0.1 requires NetBackup primary and media server version 9.0.0.1 or later.
4. WORM storage server version 15.0 requires NetBackup primary and media server version 9.1 or later.
5. WORM storage server version 15.0.2 requires NetBackup primary and media server version 9.1.0.1 or later.
6. WORM storage server version 16.0 requires NetBackup primary and media server version 10.0 or later.
7. WORM storage server version 16.0.1 requires NetBackup primary and media server version 10.0.0.1 or later.

8. WORM storage server version 17.0 requires NetBackup primary and media server version 10.1 or later.
9. 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.

Configuration for the cloud storage provider must be done using the Cloud Storage Configuration wizard in the NetBackup Administration Console. After this configuration is completed, you must manually create a backup policy for the deduplication (MSDP) pool catalog. For details, see the "NetBackup 52xx Appliance Initial Configuration Guide".

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

Cloud solution	NetBackup Appliances running 3.2	NetBackup Appliances running 3.3.0.1
ACP CS3 (S3)	Included in release	Included in release
Alibaba Cloud Object Storage Service (OSS) (S3)	Included in release	Included in release
Amazon Glacier (S3)	Included in release	Included in release
Amazon Glacier Deep Archive (S3)	Included in release	Included in release
Amazon GovCloud Glacier (S3)	Included in release	Included in release
Amazon GovCloud Glacier Deep Archive (S3)	Included in release	Included in release
Amazon GovCloud Simple Storage Service (S3)	Included in release	Included in release
Amazon GovCloud Simple Storage Service - Infrequent Access (S3)	Included in release	Included in release
Amazon Simple Storage Service (S3)	Included in release	Included in release
Amazon Simple Storage Service - Infrequent Access (S3)	Included in release	Included in release
Amazon Simple Storage Service - OneZone-Infrequent Access (S3)	Included in release	Included in release

AT&T Cloud Storage (S3)	Included in release	Included in release
China Mobile CMCC Cloud Storage (S3)	Included in release	Included in release
China Telecom OOS (S3)	Included in release	Included in release
Chunghwa Telecom Hicloud S3 (S3)	Included in release	Included in release
Cloudian HyperStore Object Storage (S3)	Included in release	Included in release
Dell EMC Elastic Cloud Storage (S3)	Included in release	Included in release
Deutsche Telekom Open Telekom Cloud (S3)	Included in release	Included in release
Fujitsu ETERNUS CD10000 (S3)	Included in release	Included in release
Google Cloud Storage - Multi-Regional (S3)	Included in release	Included in release
Google Cloud Storage - Regional (S3)	Included in release	Included in release
Google Cloud Storage Coldline (S3)	Included in release	Included in release
Google Cloud Storage Nearline (S3)	Included in release	Included in release
Hitachi Vantara Content Platform (HCP) (S3)	Included in release	Included in release
Hitachi Vantara Cloud Scale (S3)	Not Supported	Included in release
IBM Cloud Object Storage - Cold Vault (S3)	Included in release	Included in release
IBM Cloud Object Storage - Flex (S3)	Included in release	Included in release
IBM Cloud Object Storage - Private (S3)	Included in release	Included in release
IBM Cloud Object Storage - Standard (S3)	Included in release	Included in release
IBM Cloud Object Storage - Vault (S3)	Included in release	Included in release
Infoniqa SWISS3CLOUD (S3)	Included in release	Included in release
Kingsoft Standard Storage Service (KS3) - Standard (S3)	Included in release	Included in release
Kingsoft Standard Storage Service (KS3) - Standard IA (S3)	Included in release	Included in release
Microsoft Azure (Azure)	Included in release	Included in release
Microsoft Azure Germany (Azure)	Included in release	Included in release
Microsoft Azure Government (Azure)	Included in release	Included in release

NEC Cloud IaaS (S3)	Included in release	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)	Included in release	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)	Included in release	Included in release
NetApp StorageGRID Webscale Object Storage (S3)	Included in release	Included in release
NooBaa (S3)	Included in release	Included in release
Nutanix Objects (S3)	Not supported	Included in release
Oracle Cloud Infrastructure (S3)	Included in release	Included in release
Orange Business Services Flexible Engine OBS (S3)	Not supported	Included in release
Quantum Active Archive and ActiveScale Systems (S3) (formerly HGST)	Included in release	Included in release
Quantum Lattus Object Storage (S3)	Included in release	Included in release
Red Hat Ceph Storage (S3)	Included in release	Included in release
SandStone MOS (S3)	Not supportedr	Included in release
Scality RING Storage (S3)	Included in release	Included in release
SUSE Enterprise Storage (S3)	Included in release	Included in release
SwiftStack Object Storage (S3)	Included in release	Included in release
Telefonica Open Cloud (S3)	Included in release	Included in release
Veritas Access (S3)	Included in release	Included in release
Veritas Access 3340 Appliance (S3)	Included in release	Included in release

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 (3.2 or later) 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 "NetBackup 8.0 - 8.x.x Database and Application Agent Compatibility List", and Snapshot client configurations.

For information on functionality supported with earlier versions of NetBackup Appliances, see the NetBackup Appliances section of the NetBackup Enterprise Server and Server 8.0 - 8.1.x Hardware and Cloud Storage Compatibility List.

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

Functionality	Minimum Appliance Release	Supported Appliance Models	Notes
NetBackup Primary/Media Server	3.2	5200 Series, Virtual	The Primary 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 Primary Server.
NetBackup Media Server	3.2	5200 Series, 5300 Series, Virtual	The Primary 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.
NetBackup CloudCatalyst Appliance	3.2	5240 (Configuration G with 192 GB of memory), Virtual	
Accelerator (for files and folders)	3.2	5200 Series, 5300 Series, Virtual	
Accelerator with NDMP	3.2	5200 Series, 5300 Series, Virtual	Supported with Dell EMC Isilon Scale-Out NAS filers, 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	3.2	5200 Series, 5300 Series, Virtual	
Auto Image Replication to MSDP/5200 Series or 5300 Series over Ethernet	3.2	5200 Series, 5300 Series, Virtual	
Auto Image Replication to MSDP/5200 Series or 5300 Series over Fibre Channel (FC)	3.2	5200 Series, 5300 Series	
Auto Image Replication to PDDO/5000 Series	3.2	5200 Series, 5300 Series, Virtual	
Client Deduplication / Client Direct over Ethernet	3.2	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	3.2	5230, 5240, 5250, 5330, 5340, Virtual	For more information on this feature, see the "NetBackup Copilot for Oracle Configuration Guide" .
Fibre Transport Media Server	3.2	5230, 5240, 5250, 5330, 5340	Supported with 8 Gb HBAs in NetBackup 5230, 5240, 5250, 5330, and 5340 Appliances. Supported with 16 Gb HBAs in NetBackup 5240 and 5340 Appliances.
FIPS-compliant encryption	3.2	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)	3.2	5200 Series, 5300 Series, Virtual	
Granular Recovery Technology (GRT) with VMware-type policies	3.2	5200 Series, 5300 Series, Virtual	Support for VMware-type backup policies with Application Protection options enabled for Exchange or SharePoint.
Instant Data Access	3.2	5230, 5240, 5250, 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	3.2	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	3.2	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)	3.2	5200 Series, 5300 Series	KMS is supported with Appliances configured as either a Primary or a Media Server. With a NetBackupCLI administrator account in the NetBackup Appliance Shell Menu, an Appliance Primary 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 Primary Server.
NetBackup Access Control (NBAC)	3.2	5200 Series, 5300 Series	Supported when the Appliance is configured as a Media Server only. Not supported when the Appliance is configured as a Primary Server.
NDMP	3.2	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	3.2	5200 Series, 5300 Series, Virtual	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	3.2	5200 Series, 5300 Series, Virtual	
OpsCenter Managed Server	3.2	5200 Series, 5300 Series, Virtual	

Optimized Duplication (Opt_Dup) over Ethernet	3.2	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)	3.2	5200 Series, 5300 Series	Supported from 5200/5300 Series to 5000 Series (MSDP to PDDO), and from 5200/5300 Series to 5200/5300 Series (MSDP to MSDP)
Optimized Synthetics (Opt_Synth)	3.2	5200 Series, 5300 Series, Virtual	
Tape Drive Support	3.2	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	3.2	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	3.2	5240, 5250, 5330, 5340	For more information on configuring Universal Shares, see Manage > Storage > Universal Shares
Virtual Tape Library (VTL) Support	3.2	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:
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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 Primary 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
2.10.7	Media Server: 8.0 or later	Media Server: https://www.veritas.com/content/support/en_US/downloads/update.UPD971796.html	Added support: - VAST data (S3) Added earlier support not included in NetBackup 10.2 release: - Amazon Glacier Instant Retrieval (IR) - Backblaze B2 Cloud Storage (S3) - DataCore Swarm (S3) - iTernity iCAS FS (S3) - Quantum ActiveScale Glacier Storage Class - Spectra Vail (S3) - STACKIT Object Storage (S3) - NEC Cloud IaaS Object Storage N2 (S3) - Amazon (S3) - Asia Pacific (Jakarta) region - Amazon (S3) – ME (UAE) region - Google (S3) - Asia South2 (Delhi) region - Google (S3) - Australia-Southeast2 (Melbourne) region - Google (S3) - EU West8 (Milan) region - Google (S3) - EU West9 (Paris) region - Google (S3) - EU Southwest1 (Madrid) region

			- Google (S3) - North America Northeast2 (Toronto) region - Google (S3) - US East5 (Columbus) region - Google (S3) - US South1 (Dallas) region - Wasabi (S3) - AP Southeast 1 (Singapore) region - Wasabi (S3) - AP Southeast 2 (Sydney) region - Wasabi (S3) - EU Central 2 (Frankfurt) region - Wasabi (S3) - CA Central 1 (Toronto) region - Wasabi (S3) - EU West 2 (Paris) region
2.10.6	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - STACKIT Object Storage (S3) - Backblaze B2 Cloud Storage (S3) - NEC Cloud IaaS Object Storage (N2) (S3)
2.10.5	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Spectra Logic Vail (S3) - DataCore Swarm (S3) - Google (S3) - Middle East West1 (Tel Aviv) region Added earlier support not included in NetBackup 10.1.1 release: - Amazon Glacier Instant Retrieval (IR) - iTernity iCAS FS (S3)

			- Amazon (S3) - Asia Pacific (Jakarta) region - Amazon (S3) - Middle East (UAE) region - Google (S3) - Asia South2 (Delhi) region - Google (S3) - Australia-Southeast2 (Melbourne) region - Google (S3) - EU West8 (Milan) region - Google (S3) - EU West9 (Paris) region - Google (S3) - EU Southwest1 (Madrid) region - Google (S3) - US East5 (Columbus) region - Google (S3) - US South1 (Dallas) region - Google (S3) - North America Northeast2 (Toronto) region - Wasabi (S3) - EU West 2 (Paris) region - Wasabi (S3) - AP Southeast 1 (Singapore) region - Wasabi (S3) - AP Southeast 2 (Sydney) region - Wasabi (S3) - EU Central 2 (Frankfurt) region - Wasabi (S3) - CA Central 1 (Toronto) region
2.10.4	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Google (S3) - EU West8 (Milan) region

2.10.3	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Veritas NetBackup Recovery Vault AWS Glacier Deep Archive
2.10.2	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Amazon (S3) - Middle East (UAE) region
2.10.1	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: Added earlier support not included in NetBackup 10.1 release: - Amazon Glacier Instant Retrieval (IR) - iTernity iCAS FS (S3) - Amazon (S3) - Asia Pacific (Jakarta) region - Google (S3) - Asia South2 (Delhi) region - Google (S3) - Australia-Southeast2 (Melbourne) region - Google (S3) - EU West9 (Paris) region - Google (S3) - EU Southwest1 (Madrid) region - Google (S3) - US East5 (Columbus) region - Google (S3) - US South1 (Dallas) region - Google (S3) - North America Northeast2 (Toronto) region - Wasabi (S3) - EU-West-2 (Paris) region - Wasabi (S3) - AP Southeast 1 (Singapore) region

			- Wasabi (S3) - AP Southeast 2 (Sydney) region - Wasabi (S3) - EU Central 2 (Frankfurt) region - Wasabi (S3) - CA Central 1 (Toronto) region
2.9.4	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Google (S3) - US East5 (Columbus) region - Google (S3) - US South1 (Dallas) region
2.9.3	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Google (S3) - EU Southwest1 (Madrid) region - Google (S3) - EU West9 (Paris) region - Wasabi (S3) - AP Southeast 1 (Singapore) region
2.9.2	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Wasabi (S3) - AP Southeast 2 (Sydney) region - Wasabi (S3) - EU Central 2 (Frankfurt) region - Wasabi (S3) - CA Central 1 (Toronto) region
2.8.8	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Amazon (S3) - Asia Pacific (Jakarta) region - Google (S3) - Asia South2 (Delhi) region - Google (S3) - Australia-Southeast2 (Melbourne) region - Google (S3) - NorthAmerica Northeast2 (Toronto) region

			- Quantum Active Archive and ActiveScale Systems - Standard (S3) - Quantum Active Archive and ActiveScale Systems - Glacier (S3) - Wasabi (S3) - EU-West-2 (Paris) region
2.8.7	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Amazon Glacier Instant Retrieval (IR) - Amazon GovCloud - Glacier Instant Retrieval (IR)
2.8.6	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Veritas NetBackup Recovery Vault Azure - Veritas NetBackup Recovery Vault Azure Government
2.8.5	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Wasabi Hot Cloud Storage (S3)
2.8.4	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - Google (S3) - Asia-Northeast3 (Seoul) region - Google (S3) - Asia-Southeast2 (Jakarta) region - Google (S3) - EU-Central2 (Warsaw) region - IBM (S3) - Amsterdam, Netherlands region - IBM (S3) - Chennai, India region - IBM (S3) - EU Germany region

			- IBM (S3) - Hong Kong S.A.R. of the PRC region - IBM (S3) - Mexico City, Mexico region - IBM (S3) - Milan, Italy region - IBM (S3) - Montreal, Canada region - IBM (S3) - Oslo, Norway region - IBM (S3) - Paris, France region - IBM (S3) - San Jose, US region - IBM (S3) - Sao Paulo, Brazil region - IBM (S3) - Seoul, South Korea region - IBM (S3) - Singapore region - Nutanix Objects (S3) - updated provider portal URL Added in NetBackup 9.1 release: - Amazon (S3) - US East (N. Virginia FIPS 140-2) region - Amazon (S3) - US East (Ohio FIPS 140-2) region - Amazon (S3) - US West (Northern California FIPS 140-2) region - Amazon (S3) - US West (Oregon FIPS 140-2) region
2.8.3	Media Server: 8.0 or later	Media Server: Use the most recent version above.	Added support: - IBM (S3) - AP Osaka region - Seagate Lyve Cloud (S3)

2.8.2	Media Server: 8.0 or later	Media Server: Use the most recent version above.	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-East2 region - Google (S3) - Asia-Northeast2 region - Google (S3) - Asia-South1 region - Google (S3) - EU-North1 region - Google (S3) - EU-West4 region - Google (S3) - EU-West6 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
Added earlier support not included in NetBackup 8.2 release:
- Nutanix Buckets (S3) |

Cloud Configuration File Versions released with NetBackup and NetBackup Appliances

NetBackup / NetBackup Appliance version	Cloud Configuration File version
8.3.0.2	2.7.1
8.3.0.1/3.3.0.1	2.7.1
8.3	2.7.0
8.2 / 3.2	2.6.0

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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OST Secondary Storage Solutions - General Information   **Back to top**

This feature is not supported on this platform.

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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 version (8.2 or later) at which that cloud storage solution was first supported. 2. Cloud support on Windows platforms requires Windows 2008 R2 or later. 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. 4. NetBackup supports AWS Outposts. For more information, please refer https://www.veritas.com/news-releases/2019-12-03-veritas-tested-and-validated-for-aws-outposts.
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
OST	Advanced Disk Targets	VTL

Support for Workloads with Image Sharing in Cloud

Image Sharing in Cloud is supported with either MSDP Direct Cloud Tiering or CloudCatalyst. Workload support is listed in the tables below.

Support for Image Sharing using MSDP Direct Cloud Tiering

Image sharing using MSDP Direct Cloud Tiering is supported with any of the S3 cloud providers listed in the Vendor Compatibility tables below, and with Microsoft Azure Blob storage.

MSDP Direct Cloud Tiering is supported with NetBackup 8.3 and later.

For more information on image sharing using MSDP Direct Cloud Tiering, see "About Image Sharing using MSDP cloud".

Support for Image Sharing using CloudCatalyst

Image sharing using CloudCatalyst is supported with any of the S3 cloud providers listed in the Vendor Compatibility tables below, and with Microsoft Azure Blob storage.

For more information on image sharing using CloudCatalyst, see "About automated disaster recovery in cloud using CloudCatalyst".

Image Sharing in Cloud - Supported Workloads

Workload	NetBackup Start of Support	Notes
Basic backups of files and folders	8.2	
Bare Metal Restore (BMR)	Not supported	Duplication of images is supported. Restores can be done from another NetBackup media server.
DB2	8.2	
Enterprise Vault	8.2	
Hadoop	8.2	
Hbase	8.2	
Hyper-V	8.2	
Informix	8.2	
Lotus Notes	8.2	

MariaDB	8.2	
Microsoft Exchange Server	8.2	
Microsoft SharePoint	8.2	
Microsoft SQL Server	8.2	
MySQL	8.2	
NDMP	8.2	
Nutanix	Not supported	Duplication of images is supported. Restores can be done from another NetBackup media server.
OpenStack	Not supported	Duplication of images is supported. Restores can be done from another NetBackup media server.
Oracle	8.2	
Postgres	8.2	
RHV	8.2	
SAP	Not supported	Duplication of images is supported. Restores can be done from another NetBackup media server.
Sybase	8.2	
VMware	8.2	

Cloud Storage - Vendor Compatibility

Contents (for details click on the checkbox)

ACP	Alibaba	Amazon
AT&T	Beijing XSKY	China Mobile
China Telecom	Chunghwa Telecom	Cloudian
Datish Systems (OpenDedup)	Dell EMC	Dell EMC Isilon
Deutsche Telekom	Fujitsu	Google
Hewlett Packard Enterprise	Hitachi Vantara	IBM
Infoniqa	Kingsoft	Microsoft
NEC	NetApp	NooBaa
Nutanix	Oracle	Orange Business Services

Quantum	Red Hat	Scality
Seagate	StorReduce	SUSE
SwiftStack	Telefonica	Tencent
Veritas	Wasabi	

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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.

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
Fujitsu	Hewlett Packard Enterprise	Hitachi Vantara
Huawei	IBM	Imation

Lenovo	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".

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

External Key Management Services using KMIP

External Key Management Services (EKMS) servers using KMIP are supported with NetBackup 8.3 and later.

External KMS - Considerations

Subject	Notes
Configuration considerations	1. EKMS is supported with AdvancedDisk, Cloud, MSDP, MSDP Direct Cloud Tiering, and Tape storage solutions supported by NetBackup. 2. The EKMS server must be KMIP-based. Supported KMIP versions are 1.0, 1.1, 1.2, 1.3, 1.4 and 2.0. 3. NetBackup uses Symmetric Key objects stored on the EKMS server for data encryption. 4. The EKMS server must use PEM formatted certificate-based authentication. 5. The NetBackup primary server should be able to establish an outbound connection to the KMIP port on the EKMS server.

External KMS - Supported Devices

Manufacturer	Model	EKMS server software version	KMIP version supported
Fortanix	Data Security Manager (DSM)	4.2	1.0, 1.1, 1.2, 1.3, 1.4
IBM	Security Key Lifecycle Manager (SKLM)	2.6	1.0, 1.1, 1.2
IBM	Security Key Lifecycle Manager (SKLM)	3.0	1.0, 1.1, 1.2, 1.3, 1.4, 2.0
Oracle	Key Vault	12.1, 18.1, 18.2	1.0, 1.1

Thales	CipherTrust Manager K170, K170v, K470, K570	1.8	1.0, 1.1, 1.2, 1.3, 1.4
Thales	CipherTrust Manager K170, K170v, K470, K570	2.5	1.0, 1.1, 1.2, 1.3, 1.4
Thales	CipherTrust Manager K170, K170v, K470, K570	2.7	1.0, 1.1, 1.2, 1.3, 1.4
Thales	CipherTrust Manager K170, K170v, K470, K570	2.8	1.0, 1.1, 1.2, 1.3, 1.4
Thales	CipherTrust Manager K170, K170v, K470, K570	2.9	1.0, 1.1, 1.2, 1.3, 1.4
Thales	Gemalto-SafeNet KeySecure K150, K150v	8.11	1.0, 1.1, 1.2, 1.3
Thales	Vormetric Data Security Manager (DSM)	6.4	1.0, 1.1, 1.2, 1.3, 1.4, 2.0
Utimaco	Enterprise Secure Key Manager	5.2	1.0, 1.1, 1.2, 1.3, 1.4, 2.0

Single Sign-On using SAML

NetBackup 8.3 and later supports authentication via Single Sign-On with SAML. For more information, see Configure NetBackup for Single Sign-On (SSO) in the NetBackup Web UI Administrator's Guide.

Single Sign-On using SAML - Considerations

Subject	Notes
Configuration considerations	1. To use SSO, you must have a SAML 2.0 compliant identity provider configured in your environment. 2. Only one Active Directory (AD) or LDAP domain is supported for each primary server domain. This feature is not available for local domain users. 3. Configuration of the Identity Provider (IDP) requires the NetBackup APIs or the NetBackup command nbidpcmd. 4. SAML users cannot use the APIs. API keys are used to authenticate a user and therefore cannot be used with a SAML-authenticated user.

| | 5. Global logout is not supported. |

Single Sign-On with SAML - Supported Solutions

Identity Provider	Link to configuration information
ADFS	https://www.veritas.com/support/en_US/article.100047744
Microsoft Azure	https://www.veritas.com/support/en_US/article.100047748
Okta	https://www.veritas.com/support/en_US/article.100047745
PingFederate	https://www.veritas.com/support/en_US/article.100047746
Shibboleth	https://www.veritas.com/support/en_US/article.100047747

NetBackup Hardware Compatibility Documentation:
NetBackup 8.2 - 8.x.x Hardware and Cloud Storage Compatibility List (last updated on October 05, 2023)
NetBackup Hardware Compatibility Documentation: Introduction

NetBackup Future Platform and Feature Plans   Back to top

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	Media Server	All	All	All	7.6.1	

	cloud storage platform.						
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	OpsCenter	All	All	All	7.5	Feature discontinued

	Security Integration						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

Documentation

Product Documentation

Veritas Services and Operations Readiness Tools (SORT)

    - NetBackup Appliance Documentation
    - NetBackup Appliance Documentation Sets

Virtual Netbackup Appliance

NetBackup Virtual Appliance Third-party Legal Notices
Veritas NetBackup Virtual Appliance Documentation
Veritas NetBackup Virtual Appliance Getting Started Guide

Installation/Upgrade Documentation

NetBackup Appliance Upgrade Readiness Analyzer
What's new in NetBackup Appliance releases
Veritas Download Center

Late Breaking News

Late Breaking News and Important Updates about NetBackup Appliances

Compatibility Lists

NetBackup 8.2 - 8.x.x Hardware and Cloud Storage Compatibility List
NetBackup 8.0 - 8.x.x Operating System Software Compatibility List

Product End of Life Information

SORT End of Support Life matrix for NetBackup Virtual Appliances
Veritas End of Life Policy