Custom Reports Using Data Collectors

Get ready for a newer version of NetBackup (10.4)

Installation and Upgrade Checklist Report for NetBackup Enterprise Server 10.3, Windows Semi-Annual Channel Server version 1809, x86-64
This platform is supported only as a client.

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NetBackup Self Service

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NEW! = New content since the last release of SORT

Install Information   **[Back to top](#)**

Get ready for a newer version of NetBackup (10.4)

Procedure Overview:

Install the NetBackup Enterprise Server 10.3 release.

To obtain the 10.3 release, please go to [Veritas Download Center](#)

In order to install NetBackup Enterprise Server 10.3, follow the installation instructions found in the [NetBackup Installation Guide](#)

Be sure to review the [Updates, Patches and Late Breaking News for NetBackup 10.x](#).

For NetBackup clients, Veritas has developed [deployment templates for Chef & SCCM](#), so that customers can deploy them at scale. The templates will help you to perform installation, upgrade and uninstall NetBackup clients.

Compatibility between NetBackup versions for Client   **Back to top**

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 Primary server except for single-dot or double-dot releases.
For more information, refer to the NetBackup Release Notes and the NetBackup Upgrade Guide: NetBackup guides for Windows and UNIX, documents, download

NetBackup Primary Server	NetBackup Media Server	NetBackup Client
10.3.0.1	10.3.0.1	10.3.0.1, 10.3, 10.2, 10.1.1, 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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	10.3	10.3.0.1, 10.3, 10.2, 10.1.1, 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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	10.2	10.2, 10.1.1, 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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	10.1.1	10.1.1, 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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0,7.7.3
10.3.0.1	10.1	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	10.0.0.1	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3

10.3.0.1	10.0	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	9.1.0.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	9.1	9.1.0.1, 9.1, 9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.3.0.1	8.1	8.1, 8.0, 7.7.3
10.3.0.1	8.0	8.0, 7.7.3
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10.3	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.3	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.3	8.1	8.1, 8.0, 7.7.3
10.3	8.0	8.0, 7.7.3
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10.2	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.2	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.2	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.2	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.2	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.2	8.1	8.1, 8.0, 7.7.3
10.2	8.0	8.0, 7.7.3

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10.1.1	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
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10.1.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.1.1	8.1	8.1, 8.0, 7.7.3
10.1.1	8.0	8.0, 7.7.3

10.1	10.1	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	10.0.0.1	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	10.0	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
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10.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.1	8.1	8.1, 8.0, 7.7.3
10.1	8.0	8.0, 7.7.3
10.0.0.1	10.0.0.1	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3

10.0.0.1	10.0	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
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10.0.0.1	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0.0.1	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0.0.1	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0.0.1	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0.0.1	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0.0.1	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0.0.1	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.0.0.1	8.1	8.1, 8.0, 7.7.3
10.0.0.1	8.0	8.0, 7.7.3
10.0	10.0.0.1	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0	10.0	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, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
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10.0	9.0.0.1	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0	9.0	9.0.0.1, 9.0, 8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0	8.3.0.2	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0	8.3.0.1	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0	8.3	8.3.0.2, 8.3.0.1, 8.3, 8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0	8.2	8.2, 8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0	8.1.2	8.1.2, 8.1.1, 8.1, 8.0, 7.7.3
10.0	8.1.1	8.1.1, 8.1, 8.0, 7.7.3
10.0	8.1	8.1, 8.0, 7.7.3
10.0	8.0	8.0, 7.7.3

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 primary servers in the environment.
• All components (primary, 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 primary, 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 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates
Appliance Compatibility List

Late Breaking News - Available Hot Fixes for Client

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Available hot fixes - for details and download information, consult the Update link in the table.
For more information about installation instructions, please review NetBackup 10.3 on Support site.

Hot Fix	Description	Install Location
UPD853406	VTS23-013 - Hotfix for Security Advisory impacting NetBackup 10.3 Primary Server, Media Server and Clients	Primary(Master) Server, Media Server, Client
UPD344759	NetBackup Java Administration Console Language Pack (article 100033052)	Java Administration Console
UPD959325	NetBackup 10.3 Powered by Cloud Scale Technology - Latest Update	Primary(Master) Server, Media Server, Client
UPD730944	VTS23-017- Hotfix for Security Advisory impacting NetBackup 10.3 Primary and Media Servers	Primary(Master) Server, Media Server, Client
UPD238422	Bare Metal Restore Third-Party Products CD (3PPCD)	Primary(Master) Server, Media Server, Client
UPD652254	NetBackup 10.3 Application for Flex - Latest Update	Primary(Master) Server, Media Server, Client
UPD242817	NetBackup 19.0 WORM storage server (NetBackup 10.3) for Flex Application - Latest Update	Primary(Master) Server, Media Server, Client
UPD431803	HotFix - NetBackup IT Analytics Data Collector Upgrade Script	Primary(Master) Server, Media Server, Client
UPD209195	NetBackup 10.3 Hotfix - NetBackup 10.3 Security Package impacting NetBackup 10.3 Primary and Media Servers	Primary(Master) Server, Media Server, Client
UPD162444	NetBackup Primary Server Migration Tool 2.4	Primary(Master) Server, Media Server, Client
UPD714038	NetBackup 8.1.2 - 10.1.1 - nbdb_unload performance impact when upgrading to NetBackup 10.2 or above	Primary(Master) Server, Media Server, Client

UPD815396	NetBackup 10.3 / 5.3 - MSDP Preferred EEB Bundle (Etrack 4136538)	Primary(Master) Server, Media Server, Client

NetBackup Documentation References:

Updates, Patches and Late Breaking News for NetBackup 10.x

Patches for Operating System for Client   **Back to top**

Required Patches
There is no information found for this section.

NetBackup Documentation References:
NetBackup Release Notes
NetBackup Self Service Release Notes

NetBackup Appliances   **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), 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.

NetBackup 5300 Series - Supported Versions

NetBackup 5300 Series Appliance Release	Supported NetBackup Appliance Models	Based on NetBackup Release
5.3	5350, 5340	10.3
5.1.1	5350, 5340	10.1.1
5.0	5350, 5340, 5330	10.0
4.1	5350, 5340, 5330	9.1
4.0	5350, 5340, 5330	9.0
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
5.3	5250, 5240	10.3
5.1.1	5250, 5240	10.1.1
5.0	5250, 5240	10.0
4.1	5250, 5240	9.1
4.0	5250, 5240	9.0
3.3.0.1	5250, 5240	8.3.0.1
3.2	5250 , 5240[1]	8.2
3.1.2	5240	8.1.2
3.1.1	5240	8.1.1
3.1	5240	8.1

3.0	5240	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
5.1.1	10.1.1	vSphere 7.0
5.0	10.0	vSphere 6.7, 7.0, 7U1, 7U2
4.1	9.1	vSphere 6.5, 6.7, 7.0, 7U1
4.0	9.0	vSphere 6.0, 6.5, 6.7, 7.0
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)
4.0	5362 (Configuration A), 5360 (Configuration A, B, C), 5350 (Configuration A, B, C), 5340 (Configuration A, B, C, D, E, F, G, H, J), 5260 (Configuration A, B, C, D), 5250 (Configuration A, B, C, D, E, F), 5150	10.3.0.1, 10.3, 10.2.0.1, 10.2, 10.1.1, 10.1, 10.0.0.1, 10.0	10.3.0.1, 10.3, 10.2.0.1, 10.2, 10.1.1, 10.1, 10.0.0.1, 10.0	19.0.1, 19.0, 18.0.1, 18.0, 17.1, 17.0, 16.0.1, 16.0[1][2][3][4][5][6][7][8]

3.3	5360 (Configuration A, B, C), 5350 (Configuration A, B, C), 5340 (Configuration A, B, C, D, E, F, G, H, J), 5260 (Configuration A, B, C, D), 5250 (Configuration A, B, C, D, E, F), 5150	10.2.0.1, 10.2, 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1	10.2.0.1, 10.2, 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1	18.0.1, 18.0, 17.1, 17.0, 16.0.1, 16.0, 15.0.2, 15.0[9][10][1][2][3][4][5][6]
3.2	5360 (Configuration A, B, C), 5350 (Configuration A, B, C), 5340 (Configuration A, B, C, D, E, F, G, H, J), 5260 (Configuration A, B, C, D) , 5250 (Configuration A, B, C, D, E, F), 5150	10.2.0.1, 10.2, 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1	10.2.0.1, 10.2, 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1	18.0.1, 18.0, 17.1, 17.0, 16.0.1, 16.0, 15.0.2, 15.0[9][10][1][2][3][4][5][6]
3.1	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	10.2.0.1, 10.2, 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1	10.2.0.1, 10.2, 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1	18.0.1, 18.0, 17.1, 17.0, 16.0.1, 16.0, 15.0.2, 15.0[9][10][1][2][3][4][5][6]
3.0	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	10.2, 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1	10.2, 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1	18.0, 17.1, 17.0, 16.0.1, 16.0, 15.0.2, 15.0[9][10][1][2][3][4][5]
2.1.2	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[11][12][13][9][10][1][2][3]
2.1.1	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[11][12][13][9][10][1][2][3]
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[11][12][13][9][10][1][2]
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[11][12][13][9][10]
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[11][12][13]
1.3.1	5340 (Configuration A), 5150	8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1[14]	8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1[14]	Not supported
1.3	5340 (Configuration A), 5150	8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1[14]	8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1[14]	Not supported

Footnotes

1. WORM storage server version 16.0 requires NetBackup primary and media server version 10.0 or later.
2. WORM storage server version 16.0.1 requires NetBackup primary and media server version 10.0.0.1 or later.
3. WORM storage server version 17.0 requires NetBackup primary and media server version 10.1 or later.
4. WORM storage server version 17.1 requires NetBackup primary and media server version 10.1.1 or later.
5. WORM storage server version 18.0 requires NetBackup primary and media server version 10.2 or later.
6. WORM storage server version 18.0.1 requires NetBackup primary and media server version 10.2.0.1 or later.
7. WORM storage server version 19.0 requires NetBackup primary and media server version 10.3 or later.
8. WORM storage server version 19.0.1 requires NetBackup primary and media server version 10.3.0.1 or later.
9. WORM storage server version 15.0 requires NetBackup primary and media server version 9.1 or later.
10. WORM storage server version 15.0.2 requires NetBackup primary and media server version 9.1.0.1 or later.
11. WORM storage server version 13.0.2 requires NetBackup primary and media server version 8.3.0.2 or later.
12. WORM storage server version 14.0 requires NetBackup primary and media server version 9.0 or later.

13. WORM storage server version 14.0.1 requires NetBackup primary and media server version 9.0.0.1 or later.
14. Veritas strongly recommends running NetBackup 8.2 or later with Flex Appliance.

Configuring Cloud Solutions with NetBackup Appliances

The table below shows when a NetBackup cloud configuration and device mappings RPM package is required for configuring cloud providers with NetBackup 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 Appliance

Cloud solution	NetBackup Appliances running 5.0
ACP CS3 (S3)	Included in release
Alibaba Cloud Object Storage Service (OSS) (S3)	Included in release
Amazon Glacier (S3)	Included in release
Amazon Glacier Deep Archive (S3)	Included in release
Amazon Glacier Instant Retrieval (IR) (S3)	Included in release
Amazon GovCloud Glacier (S3)	Included in release
Amazon GovCloud Glacier Deep Archive (S3)	Included in release
Amazon GovCloud Glacier Instant Retrieval (IR) (S3)	Included in release
Amazon GovCloud Simple Storage Service (S3)	Included in release
Amazon GovCloud Simple Storage Service - Infrequent Access (S3)	Included in release
Amazon Simple Storage Service (S3)	Included in release
Amazon Simple Storage Service - Infrequent Access (S3)	Included in release
Amazon Simple Storage Service - OneZone-Infrequent Access (S3)	Included in release
AT&T Cloud Storage (S3)	Included in release
China Mobile CMCC Cloud Storage (S3)	Included in release

China Telecom OOS (S3)	Included in release
Chunghwa Telecom Hicloud S3 (S3)	Included in release
Cloudian HyperStore Object Storage (S3)	Included in release
Dell EMC Elastic Cloud Storage (S3)	Included in release
Dell EMC Isilon PowerScale series (S3)	Included in release
Deutsche Telekom Open Telekom Cloud (S3)	Included in release
Fujitsu ETERNUS CD10000 (S3)	Included in release
Google Cloud Storage - Multi-Regional (S3)	Included in release
Google Cloud Storage - Regional (S3)	Included in release
Google Cloud Storage Archive (S3)	Included in release
Google Cloud Storage Coldline (S3)	Included in release
Google Cloud Storage Nearline (S3)	Included in release
Hewlett Packard Enterprise Cloud Volumes (S3)	Included in release
Hitachi Vantara Content Platform (HCP) (S3)	Included in release
Hitachi Vantara HCP for Cloud Scale (S3)	Included in release
IBM Cloud Object Storage - Cold Vault (S3)	Included in release
IBM Cloud Object Storage - Private (S3)	Included in release
IBM Cloud Object Storage - Smart Tier (S3)	Included in release
IBM Cloud Object Storage - Standard (S3)	Included in release
IBM Cloud Object Storage - Vault (S3)	Included in release
Infoniqa SWISS3CLOUD (S3)	Included in release
Microsoft Azure (Azure)	Included in release
Microsoft Azure Germany (Azure)	Included in release
Microsoft Azure Government (Azure)	Included in release
NEC Cloud IaaS (S3)	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
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
NetApp StorageGRID Webscale Object Storage (S3)	Included in release

NooBaa (S3)	Included in release
Nutanix Objects (S3)	Included in release
Oracle Cloud Infrastructure (S3)	Included in release
Orange Business Services Flexible Engine OBS (S3)	Included in release
Quantum Active Archive and ActiveScale Systems - Glacier (S3)	Included in release
Quantum Active Archive and ActiveScale Systems - Standard (S3)	Included in release
Red Hat Ceph Storage (S3)	Included in release
Scality RING Storage (S3)	Included in release
Seagate Lyve Cloud (S3)	Included in release
SUSE Enterprise Storage (S3)	Included in release
SwiftStack Object Storage (S3)	Included in release
Telefonica Open Cloud (S3)	Included in release
Tencent Cloud Object Storage (COS) - ARCHIVE (S3)	Included in release
Tencent Cloud Object Storage (COS) - DEEP ARCHIVE (S3)	Included in release
Tencent Cloud Object Storage (COS) - Archive (S3)	Included in release
Tencent Cloud Object Storage (COS) - Standard IA (S3)	Included in release
Veritas Alta Recovery Vault Amazon S3	Included in release. WORM support requires the Emergency Engineering Binaries in this bundle: Veritas Alta Recovery Vault for NetBackup 10.0
Veritas Alta Recovery Vault Amazon GovCloud	Included in release. WORM support requires the Emergency Engineering Binaries in this bundle: Veritas Alta Recovery Vault for NetBackup 10.0
Veritas Alta Recovery Vault Azure	Included in release
Veritas Alta Recovery Vault Azure Government	Included in release
Veritas Access (S3)	Included in release
Veritas Access 3340/3350 Appliance (S3)	Included in release
Wasabi Hot Cloud Storage (S3)	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 (4.0 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 10.0 - 10.x.x Operating System Software Compatibility List", application and database agents "NetBackup 10.0 - 10.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 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List.

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

Functionality	Minimum 5.0 or later Appliance Release	Supported Appliance Models	Notes
NetBackup Primary/Media Server	5.0	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	5.0	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			This role is not supported with version 4.0 and later.
Accelerator (for files and folders)	5.0	5200 Series, 5300 Series, Virtual	
Accelerator with NDMP	5.0	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	5.0	5200 Series, 5300 Series, Virtual	
Auto Image Replication to MSDP/5200 Series or 5300 Series over Ethernet	5.0	5200 Series, 5300 Series, Virtual	
Auto Image Replication to MSDP/5200 Series or 5300 Series over Fibre Channel (FC)	5.0	5200 Series, 5300 Series	
Client Deduplication / Client Direct over Ethernet	5.0	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 10.0 - 10.x.x Operating System Software Compatibility List" . Data Immutability/WORM is supported with Client Direct with NetBackup Appliances running version 4.1 and later.
Copilot for Oracle	5.0	5200 Series, 5300 Series, Virtual	For more information on this feature, see the "NetBackup Copilot for Oracle Configuration Guide" .
Fibre Transport Media Server	5.0	5200 Series, 5300 Series	Supported with 8 Gb HBAs in NetBackup 5240, 5250, 5330, and 5340 Appliances. Supported with 16 Gb HBAs in NetBackup 5240, 5250, 5340, and 5350 Appliances.
FIPS-compliant encryption	5.0	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)	5.0	5200 Series, 5300 Series, Virtual	
Granular Recovery Technology (GRT) with VMware-type policies	5.0	5200 Series, 5300 Series, Virtual	Support for VMware-type backup policies with Application Protection options enabled for Exchange or SharePoint.

Instant Data Access	5.0	5200 Series, 5300 Series	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	5.0	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	5.0	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)	5.0	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)	5.0	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	5.0	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	5.0	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" .
NFSv4	5.0	5200 Series, 5300 Series, Virtual	All shares exported by the appliance can be mounted using NFSv4, including system shares and backup shares such as Universal shares and Copilot shares.
OpsCenter	5.0	5200 Series, 5300 Series, Virtual	
OpsCenter Managed Server	5.0	5200 Series, 5300 Series, Virtual	
Optimized Duplication (Opt_Dup) over Ethernet	5.0	5200 Series, 5300 Series, Virtual	Supported from 5200/5300 Series/Virtual to 5200/5300 Series/Virtual (MSDP to MSDP).
Optimized Duplication (Opt_Dup) over Fibre Channel (FC)	5.0	5200 Series, 5300 Series	Supported from 5200/5300 Series to 5200/5300 Series (MSDP to MSDP)
Optimized Synthetics (Opt_Synth)	5.0	5200 Series, 5300 Series, Virtual	
Tape Drive Support	5.0	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	5.0	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	5.0	5200 Series, 5300 Series	For more information on configuring Universal Shares, see Manage > Storage > Universal Shares
Virtual Tape Library (VTL) Support	5.0	5200 Series, 5300 Series	Supported VTLs are listed in the "Support with NetBackup Appliance" tables shown in the Virtual Tape Libraries Vendor Compatibility section. Use the NetBackup Device Configuration Wizard within the NetBackup Adminstration Console to configure VTLs and emulated tape drives on the NetBackup Appliance.

NetBackup Hardware Compatibility Documentation:
NetBackup 10.0 - 10.x.x Hardware and Cloud Storage Compatibility List (last updated on March 08, 2024)
NetBackup Hardware Compatibility Documentation: Introduction
Appliance Compatibility List

NetBackup Self Service   **Back to top**

Veritas NetBackup Self Service offers large enterprises and service providers a single store front for all backup and recovery service offerings. Customers and business users can perform self-service backup and restore operations using intuitive, custom-designed interface themes. A single instance supports the registration of multiple tenants or business units to allow secure separation between clients. Codeless, visually-designed forms and process workflows cater to most self-service needs. Service Level Agreement (SLA) measurement, notification, chargeback, and reporting make it easy to manage the service.

NetBackup Self Service Documentation
•Veritas NetBackup™ Self Service Installation Guide: NetBackup™ Self Service Installation Guide
•Veritas NetBackup™ Self Service Release Notes: NetBackup™ Self Service Release Notes
•Veritas NetBackup™ Self Service Configuration Guide: NetBackup™ Self Service Configuration Guide

NetBackup Self Service OS Platform Compatibility

NetBackup Self Service Versions	Supported Platforms	Supported Databases
NetBackup Self Service 10.3	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS
NetBackup Self Service 10.2	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS
NetBackup Self Service 10.1.1	Windows Server 2022	Microsoft SQL Server 2019

	Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS
NetBackup Self Service 10.1	Windows Server 2022 Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS
NetBackup Self Service 10.0	Windows Server 2019 Windows Server 2016 Windows Server 2012 R2	Microsoft SQL Server 2019 Microsoft SQL Server 2017 Microsoft SQL Server 2016 Microsoft SQL Server 2014 Azure SQL database Microsoft SQL Server on Amazon RDS

NetBackup Primary Server Compatibility
• NetBackup Self Service does not require the NetBackup client software to be installed on the Web server or SQL server,
However it is recommended to have the NetBackup Client software Installed.
• The primary server version remains restricted to the NetBackup client version or later versions incase the NetBackup Client
software is installed on the Web Server or SQL server.
• NetBackup 9.1 does not support protection of cloud assets.

NetBackup Self Service Versions	NetBackup Versions	Appliance Versions
NetBackup Self Service 10.3	NetBackup 10.3 NetBackup 10.2 NetBackup 10.1.1 NetBackup 10.1 NetBackup 10.0 NetBackup 9.1 NetBackup 9.0.0.1	NetBackup Appliance 4.0 NetBackup Appliance 3.3.0.1 NetBackup Appliance 3.2 NetBackup Appliance 3.1.2 NetBackup Appliance 3.1.1 NetBackup Appliance 3.1 NetBackup Appliance 3.0

	NetBackup 9.0 NetBackup 8.3.0.1 NetBackup 8.3 NetBackup 8.2 NetBackup 8.1.2 NetBackup 8.1.1 NetBackup 8.1 NetBackup 8.0	NetBackup Virtual Appliance 3.0 FlexScale 3.1 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1
NetBackup Self Service 10.2	NetBackup 10.2 NetBackup 10.1.1 NetBackup 10.1 NetBackup 10.0 NetBackup 9.1 NetBackup 9.0.0.1 NetBackup 9.0 NetBackup 8.3.0.1 NetBackup 8.3 NetBackup 8.2 NetBackup 8.1.2 NetBackup 8.1.1 NetBackup 8.1 NetBackup 8.0	NetBackup Appliance 4.0 NetBackup Appliance 3.3.0.1 NetBackup Appliance 3.2 NetBackup Appliance 3.1.2 NetBackup Appliance 3.1.1 NetBackup Appliance 3.1 NetBackup Appliance 3.0 NetBackup Virtual Appliance 3.0 FlexScale 3.1 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1
NetBackup Self Service 10.1.1	NetBackup 10.1.1 NetBackup 10.1 NetBackup 10.0 NetBackup 9.1 NetBackup 9.0.0.1 NetBackup 9.0 NetBackup 8.3.0.1 NetBackup 8.3 NetBackup 8.2 NetBackup 8.1.2 NetBackup 8.1.1 NetBackup 8.1	NetBackup Appliance 4.0 NetBackup Appliance 3.3.0.1 NetBackup Appliance 3.2 NetBackup Appliance 3.1.2 NetBackup Appliance 3.1.1 NetBackup Appliance 3.1 NetBackup Appliance 3.0 NetBackup Virtual Appliance 3.0 FlexScale 3.1 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1

	NetBackup 8.0	
NetBackup Self Service 10.1	NetBackup 10.1 NetBackup 10.0 NetBackup 9.1 NetBackup 9.0.0.1 NetBackup 9.0 NetBackup 8.3.0.1 NetBackup 8.3 NetBackup 8.2 NetBackup 8.1.2 NetBackup 8.1.1 NetBackup 8.1 NetBackup 8.0	NetBackup Appliance 4.0 NetBackup Appliance 3.3.0.1 NetBackup Appliance 3.2 NetBackup Appliance 3.1.2 NetBackup Appliance 3.1.1 NetBackup Appliance 3.1 NetBackup Appliance 3.0 NetBackup Virtual Appliance 3.0 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1
NetBackup Self Service 10.0	NetBackup 10.0 NetBackup 9.1 NetBackup 9.0.0.1 NetBackup 9.0 NetBackup 8.3.0.1 NetBackup 8.3 NetBackup 8.2 NetBackup 8.1.2 NetBackup 8.1.1 NetBackup 8.1 NetBackup 8.0	NetBackup Appliance 4.0 NetBackup Appliance 3.3.0.1 NetBackup Appliance 3.2 NetBackup Appliance 3.1.2 NetBackup Appliance 3.1.1 NetBackup Appliance 3.1 NetBackup Appliance 3.0 NetBackup Virtual Appliance 3.0 FlexScale 3.0 FlexScale 2.1 FlexScale 1.3.1

VMware vCloud Director Compatibility

• The NetBackup primary server must also support the vCloud Director version

Self Service Versions	vCloud Director Versions
NetBackup Self Service 10.2, 10.1.1, 10.1, 10.0	5.5, 5.6, 8.0, 8.10, 8.20, 9.0, 9.1, 9.5, , 9.7 , 10.0 , 10.1 , 10.2 , 10.3 , 10.4 [1][1][1][1][1][1][1]
NetBackup Self Service 10.3	10.4

	[1]
NetBackup Self Service 10.3.0.1	10.5 [1]

Footnotes

1. VMware vCloud Director 9.5 and later requires VMware vCenter servers versions 6.5 and later .

<u>NetBackup Self Service Supported Web Browsers</u>
• Microsoft Edge
• Microsoft Internet Explorer 11
• Mozilla Firefox
• Google Chrome
• Apple Safari [not recommended]

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates

Software Compatibility List (SCL) for Client   **Back to top**

NetBackup Client is supported on Microsoft Windows Semi-Annual Channel.
• Only file system backup is supported.
• BMR is not supported on this platform.
This platform is supported as per Microsoft Lifecycle Policy.

Microsoft Windows Server Semi-Annual Channel - NetBackup Client

OS	CPU Architecture	OS Bits	NetBackup Client	NetBackup Bits	NBAC	SAN Client	Minimum NetBackup Level

Windows Server 1809	x86-64	64	Y	64	Y	Y	10.0

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates
Operating Systems Compatibility List General Information

SAN Media Server/SAN Client/FT Media Server for Client   **Back to top**

• Unless otherwise noted the minimum NetBackup level for SAN Client support is NetBackup 6.5 GA.

SAN style backups via SAN Media Server

SAN media servers are NetBackup media servers that back up their own data. SAN media servers cannot back up data that resides on other clients. SAN media servers are useful for certain situations. For example, a SAN media server is useful if the data volume consumes so much network bandwidth that it affects your network negatively.
• Enables LAN-free data protection with high performance access to shared resources.
• Can share tape resources with NetBackup Primary and Media Servers.
• Can only back itself up, not other clients.
• Software is installed stand-alone on each cluster node and linked to the virtual host via an application cluster.
• When you define a backup policy for a SAN media server, add only the SAN media server as the client.
• The NetBackup Shared Storage Option is able to use NetBackup SAN media servers.
• There is no platform restriction regarding SAN Media Servers - any Media Server can be a SAN Media Server. The only difference is in the license authentication mechanism. Application and DB Agents are supported with the SAN Media Server.

SAN style backups via SAN Client

A NetBackup SAN client is a NetBackup client on which the Fiber Transport service is activated. The SAN client is similar to the SAN media server that is used for the Shared Storage Option; it backs up its own data. However, the SAN client is based on the smaller NetBackup client installation package, so it has fewer administration requirements and uses fewer system resources.
• It connects to a NetBackup media server over Fiber Channel.

• The NetBackup SAN Client Fiber Transport Service manages the connectivity and the data transfers for the FT pipe on the SAN clients. The SAN client FT service also discovers FT target mode devices on the NetBackup media servers and notifies the FT Service Manager about them.
• Requires SAN connectivity with a Media Server running Fiber Transport Services (reference additional information below in regards to the FT Media Server).
SAN client does not support the following types of backup:
• SharePoint
• Enterprise Vault
• Exchange DAG or CCR backups through a passive node of an Exchange cluster
• All other application and database agents are supported with the SAN Client.
Note: SAN client does support the use of FlashBackup but all restores from FlashBackup backups will use the LAN connection, not the SAN connection.

SAN client and NetBackup Deduplication

• SAN Client is a NetBackup optional feature that provides high speed backups and restores of NetBackup clients. Fiber Transport is the name of the NetBackup high-speed data transport method that is part of the SAN Client feature. The backup and restore traffic occur over a SAN.
• SAN clients can be used with the deduplication option; however, the deduplication must occur on the media server, not the client. Configure the media server to be both a deduplication storage server (or load balancing server) and an FT media server. The SAN client backups are then sent over the SAN to the deduplication server/FT media server host. At that media server, the backup stream is deduplicated.
• Do not enable client deduplication on SAN Clients. The data processing for deduplication is incompatible with the high-speed transport method of Fiber Transport. Client-side deduplication relies on two-way communication over the LAN with the media server. A SAN client streams the data to the FT media server at a high rate over the SAN.

FT Media Server

A NetBackup FT media server is a NetBackup media server on which the Fiber Transport services are activated. NetBackup FT media servers accept connections from SAN clients and send data to the storage units. The host bus adapters (HBAs) that accept connections from the SAN clients use a special NetBackup target mode driver to process FT traffic. The media server FT service controls data flow, processes SCSI commands, and manages data buffers for the server side of the FT pipe. It also manages the target mode driver for the host bus adaptors.

Reference the HCL document Fiber Transport Media Server HBAs section for supported Operating Systems and HBAs:
NetBackup Compatibility List for all Versions

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates

System Requirements for Client Back to top

Valid Characters in Host Names Requirement
NetBackup requires host names to comply with RFC-1123, meaning only ASCII characters "a" thru "z", case insensitive, and digits "0" thru "9" and the hyphen character.

NetBackup Documentation References:
NetBackup Release Notes
NetBackup Self Service Release Notes

Replication Director for Client Back to top
This feature is not supported on this platform.

NetBackup Hardware Compatibility Documentation:
NetBackup 10.0 - 10.x.x Hardware and Cloud Storage Compatibility List (last updated on March 08, 2024)
NetBackup Hardware Compatibility Documentation: Introduction

Bare Metal Restore File System/Volume Manager Support for Client Back to top

This feature is not supported on this platform.

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates

Virtual Systems Compatibility for Client   **Back to top**

This Statement of Support for NetBackup in a Virtual Environment document describes the extent of support for NetBackup within a virtual environment. Ideally, every NetBackup configuration supported in a traditional physical environment would also be supported in any virtual environment without qualification. While that is our mission, it is not always possible.
Therefore, the purpose of this document is to:
• Clarify differences between NetBackup support in physical vs. virtual environments
• Describe general guidelines for support in virtual environments.
• Describe impact upon specific NetBackup components: clients, servers, options, etc.
• Provide references to related information.

VMware Compatibility

• NetBackup supports all minor patch releases (like: EP, U1x) unless otherwise noted.
• Software Defined Data-Center(SDDC) environments which includes NSX, NSX-T or other networking technologies are transparent to NetBackup and are supported.
• VMware Cloud on AWS (VMC), Oracle Cloud VMware Solution (OCVS) and VMware Cloud Foundation on Dell EMC VxRail is supported with vSphere versions listed in below table.
• NetBackup 10.0 and later versions support VMware Virtual Volumes (VVols)
• NetBackup supports all triple-dot versions of VMware vCloud Director, unless otherwise noted.
• VMware HyperScale Partner- Azure VMware solution is supported.
• Single File Recovery (agent-based and agentless) is supported for Windows guest virtual machines with Veritas Volume Manager (VxVM) and NTFS file system.

NetBackup Versions	VDDK Versions	vSphere Versions	vCloud Director Versions	Backup/Restore Host Versions
10.3	8.0	vSphere 8.0 U2, 8.0 U1, 8.0 vSphere 7.0 U3, 7.0 U2, 7.0 U1, 7.0 vSphere 6.7 U3, 6.7 U2, 6.7 U1, 6.7 VMware vSAN 8.0 U2, 8.0 U1, 8.0, 7.0 U3, 7.0 U2, 7.0 U1, 7.0 Refer VMware VDDK release notes URL below for additional information on supported vCenter and ESXi versions.	Service Provider Versions: 10.4, 10.3, 10.2	All 64 bit only: Windows Server 2022, 2019, 2016 Red Hat Enterprise Linux (RHEL) 9.0, 8.6, 8.3, 8.2, 8.1, 7.9 SUSE Linux Enterprise Server (SLES) 15SP1, 12SP5 CentOS 7.9, Ubuntu 18.04

• NetBackup does not support the vCloud Director 10 feature called "Automatic discovery and import of vCenter VMs."

Note the following:
• The EEB required for Instant Access with VMware vSphere 8.0, 8.0 U1, 8.0 U2 on NetBackup 10.1 and VMware vSphere 7.0 U1, 7.0 U2, 7.0 U3 on NetBackup 10.0 can be obtained from Veritas Technical Support.
• Support for vSphere 8.0 U2 with Hardware version 20 and below starts from NetBackup 10.1.
• VMware version information can also be obtained from the VMware Product Interoperability Matrix and is subject to change by VMware. For the latest information, see the following: Product Interoperability Matrix.
• NetBackup supports installation of the backup host in a virtual machine (VMware "hotadd"). The guest operating systems that NetBackup supports for hotadd are the same as the above.
• For the Linux VMware backup host or restore host, locales other than UTF-8 are not supported.

VMware VDDK Release Notes:
• VDDK 7.0.3 Release Notes
• VDDK 7.0.3.2 Release Notes
• VDDK 8.0 Release Notes

Hyper-V Servers Compatibility

Hyper-V is supported on Microsoft Windows Server Editions which are compatible with NetBackup Client. Refer to Operating System Compatibility table for details.

Hyper-V Servers Compatibility - Reference Article: TECH127089 Statement of Support for NetBackup in a Virtual Environment: Support for NetBackup 7.7.x, 8.x, 9.x, and 10.x in virtual environments

Note:
• NetBackup Client must be installed on the Hyper-V server
• Primary and Media Server platform support as supported by the appropriate NBU release

NetBackup Versions	Hyper-V Server Versions	System Center Virtual Machine Manager Versions	Comments
10.3	Hyper-V Server 2022 Hyper-V Server 2019 Hyper-V Server 2016 Hyper-V Server 2012 R2 Hyper-V Server 2012 R2 U1 Hyper-V Server 2012 R2 U2 Hyper-V Server 2012 R2 U3 Hyper-V Server 2012	NetBackup Add-In and Hyper-V Intelligent Policy for • SCVMM 2022 • SCVMM 2019 • SCVMM 2016	• Hyper-V Intelligent Policy supported only for Hyper-V Server 2019, Hyper-V Server 2016, Hyper-V Server 2012 R2 (and associated updates) • VHD and VHDX support

File-level recovery from a Hyper-V backup is not supported in case of following scenarios.
 • Any guest OS volume that resides on a 4Kn virtual disk (VHDX file).
 • Files in guest OS that reside on REFS or NTFS deduplicated volume.

WMI backup features and limitations:
 • WMI method is supported for Windows Server 2016 and above.
 • Requires a VM configuration version later than 5.
 • VMs can be hosted on either the NTFS, ReFS, Windows Storage Spaces, Storage Spaces Direct or SMB 3.0 file shares.
 • WMI backup method does not support backup or restore of user-created checkpoints of the VM.
 • Faster Hyper-V backup and recovery feature requires block-level incremental to be enabled and can only be saved to deduplication storage unit.

VSS backup limitations:
 • VMs must reside on the NTFS file system (ReFS or NTFS Deduplication is not supported).
 • Block-level incremental backup is not supported.
 • Backing up VM's residing on SMB 3.0 file shares is not supported.

Hyper-V Limitations

- Backup of a Hyper-V guest OS that use VHD Sets or shared VHDX file is not supported.
- Hyper-V Server on windows Server Semi-Annual Channel builds are supported with partial functionality.
  Refer technote for additional details NetBackup support for Windows Server Semi-Annual Channel

Nutanix AOS versions and backup host

Supported Nutanix AOS versions and backup host operating systems
NetBackup for Nutanix AHV protects Nutanix AHV virtual machines by integrating with Nutanix APIs for Data Protection.
All minor versions of Nutanix AOS are supported unless specifically noted in the table below.

NetBackup Versions	Nutanix AOS Versions	Backup/Restore Host Versions	Notes
10.3	6.6 6.5 5.20	NetBackup 10.0 and later versions supported x86-64 platforms of Red Hat Enterprise Linux, SUSE Linux Enterprise Server and Windows Server will work as backup hosts.	"Hypervisor" policy type to be used for protecting Nutanix AHV on supported AOS versions

Note the following:
- With NetBackup 10.0, BigData policy cannot be used to protect Nutanix AHV VMs. Refer: Veritas NetBackup™ for Nutanix Acropolis Hypervisor (AHV) Administrator's Guide
- To backup other hypervisors like VMware ESX or a Hyper-V on a Nutanix Acropolis cluster, please see VMware ESX or a Hyper-V SCL for support matrix. To backup VMware ESX or a Hyper-V on a Nutanix Acropolis cluster, use a VMware policy or a Hyper-V, respectively.
- NetBackup supports installation of the backup host in a virtual machine.
- English only AHV is supported.
- Backups are Crash And Application Consistent.
- AHV Community Edition is not supported.
- Backup of VMs having volume groups is not supported.
- Backup and recovery of the entire virtual machine for all guest operating systems is supported.
- NetBackup 9.1 and later versions support file and folder recovery.

Oracle Linux Virtualization Manager Compatibility

Supported Oracle Linux Virtualization Manager Version
• NetBackup currently supports only x86-64 editions of Oracle Linux KVM servers.
• Configuration for Oracle Linux Virtualization is the same as Red Hat Virtualization as both use the oVirt framework. To back up and restore virtual machines that run on OLVM, configure a hypervisor for Red Hat Virtualization by referring "NetBackup™ Web UI Red Hat Virtualization Administrator's Guide".

NetBackup Versions	Oracle Linux Virtualization Manager Version
10.3	4.4, 4.5

Note:
• VMs in suspended state cannot be protected.
• NetBackup 10.0 supported x86-64 platforms of Microsoft Windows Server, Red Hat Enterprise Linux and SUSE Linux Enterprise Server will work as backup hosts.
• Cinder storage is currently not supported.
• Pass through disk cannot be backed up by RHV agent. Please install NetBackup client inside the VM to protect data on such disks.
• NetBackup Accelerator is not supported.
• Only crash consistent backup are supported.
• Only Full VM backups are supported. File Level Recovery is not supported.
• For KVM 4.4 unable to remove the older snapshots from the Oracle manager when the disk is in a locked state and error "A NetBackup snapshot of the virtual machine exist" is seen in job detailed status. Please contact Oracle support, if this error occurs.

Kubernetes Compatibility

Veritas supports wide range of Kubernetes distributions which are Certified by CNCF: Certified Kubernetes Software Conformance | Cloud Native Computing Foundation
Kubernetes Releases: Releases | Kubernetes
Supported CSI storage drivers for Kubernetes protection are listed here:
Veritas NetBackup ™ Enterprise Server and Server 10.0 - 10.x.x Hardware and Cloud Storage Compatibility List (HCL)
NetBackup supports all vendor updates, Major or Minor service packs and patch releases unless stated otherwise in the tables below.
To get secrets of service accounts for Kubernetes Refer: Get secrets of service accounts for Kubernetes.

NetBackup Versions	Supported Kubernetes API Versions
10.3	1.29, 1.28, 1.27, 1.26, 1.25, 1.24, 1.23, 1.22

Continuous Data Protection for VMware

NetBackup Versions	ESXi Version	Veritas IO-filter version	Notes
10.3	6.7 or later	Download link for ESXi 8.x : https://sort.veritas.com/public/vrp/1020/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.2.0.00.02-00.zip Download link for ESXi 7.x : https://sort.veritas.com/public/vrp/1020/vsphere7/VMW-esx-7.0.0-VTS-vtstap-10.2.0.00.02-00.zip Download link for ESXi 6.x : https://sort.veritas.com/public/vrp/1020/vtstap-offline-bundle.zip	• Datastores supported: VMFS, NFS, vVol, vSAN • File-system supported for CDP gateway: XFS, EXT3, EXT4, NFS, VxFS • RedHat Linux supported version: 7.7 or later versions • Support for CDP Gateway on NetBackup Appliance 5.3 is only available for the 5250 and 5350 models.

VMware vRealize Compatibility

Veritas NetBackup plug-in for VMWare vRealize Version	VMWare vRealize Orchestrator Versions	NetBackup Versions
2.3	8.13 8.11	NetBackup 10.3

Note:
• NetBackup 10.0 and later versions support Backup Now for VMWare VM, AWS VM and AWS Volumes
• NetBackup 10.0 and later versions support API Key Authentication in addition to standard Authentication.

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates

Client Selections for Backup Policies for Client

There is no information found for this section.

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates

Deduplication Supported Operating Systems for Client

This feature is not supported on this platform.

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates

Database and Application Agent Compatibility for Client

This Software Compatibility List (SCL) document describes the supported database and application agents for Veritas NetBackup 10.0 through 10.x

Refer all otherNetBackup compatibility lists

IPV6 and Dual Stack environments are supported from NetBackup 10.0 onwards with few limitations, refer technote for additional informationIPv6 support limitations in NetBackup

Database and application patch support: Major versions of database software have been qualified in Veritas Labs and are listed in the tables below. NetBackup supports minor versions, service packs, and patches of database software unless otherwise noted.

Linux support: For Linux distributions shown in the tables below, NetBackup is supported on all "editions" and on all vendor GA updates (n.1, n.2, etc.) or service packs (SP1, SP2, etc.) unless otherwise noted in this document or in the NetBackup OS Compatibility List,NetBackup compatibility lists

Database Appliances: 3rd party database hardware appliances are supported if the appliance OS/architecture and database software are listed in the Veritas NetBackup OS compatibility listNetBackup compatibility listsand in the Database and Application Agent compatibility list (this document). For example, some Oracle Exadata and Exalogic models are supported based upon this support statement. Please consult the vendor documentation to identify the embedded software versions.

End of life information: More information is available about certain NetBackup features, functionality, 3rd-party product integration, Veritas product integration, applications, databases, and OS platforms that Veritas intends to replace with newer and improved functionality, or in some cases, discontinue without replacement. Please see the SORT widget titled "NetBackup Future Platform and Feature Plans" atSORT for NetBackup Users

Database Agents

The sections below contain information that is related to specific database agents and OS platforms.

SAP
The NetBackup SAP Agent protects SAP Oracle environments by integrating with SAP BR*Tools. SAP BR*Tools may have a separate version from the SAP Kernel. Reference Technical Solution 51094 for detailsHow to determine what version of BRTools for SAP is installed
SAP environments based on Microsoft SQL or DB2 databases are supported via the NetBackup Microsoft SQL and DB2 agents respectively.
SAP supports Oracle and MAX-DB base environments.

 Contents **(for details click on the checkbox)**
 XBSA Extensible Client

NetBackup Database and Application Agent Documentation:
NetBackup 10.0 - 10.x.x Database and Application Agent Compatibility List (last updated on February 22, 2024)

Snapshot Client - General Information for Client   **Back to top**

This section contains Snapshot Client compatibility information for Veritas NetBackup 10.0 - 10.x.x. It covers NetBackup Server (which includes Enterprise Server and Server), Client, and Snapshot Client.

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

Veritas InfoScale / Storage Foundation Compatibility

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

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

Third-Party Products

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

Oracle Agent Support

Oracle ASM Environment is not supported.

Snapshot Client - Considerations

Subject	Notes
Support assumptions	For details on supported operating systems, please refer to the "NetBackup 10.0 - 10.x.x Operating System Software Compatibility List" . 1. Where support is shown for "Windows Server 2012 Datacenter" it also means that the other editions of Windows Server 2012, Windows Storage Server 2012, Windows Server 2012 R2, and Windows Storage Server 2012 R2 are supported. 2. Where support is shown for "Windows Server 2016 Datacenter" it also means that the other editions of Windows Server 2016 and Windows Storage Server 2016 are supported. 3. Where support is shown for "Windows Server 2019 Datacenter" it also means that the other editions of Windows Server 2019 are supported. **4. SUSE Linux Enterprise Server 12 support requires SP3 or later.**

NetBackup Hardware Compatibility Documentation:
NetBackup 10.0 - 10.x.x Hardware and Cloud Storage Compatibility List (last updated on March 08, 2024)
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Snapshot Client - Array-based Snapshot Methods for Client   **Back to top**

This feature is not supported on this platform.

NetBackup Hardware Compatibility Documentation:
NetBackup 10.0 - 10.x.x Hardware and Cloud Storage Compatibility List (last updated on March 08, 2024)

Snapshot Client - Software-based Snapshot Methods for Client

This feature is not supported on this platform.

NetBackup Hardware Compatibility Documentation:

Snapshot Client - VSS Snapshot Providers Support for Microsoft Windows Considerations for Client

Subject	Notes
Support assumptions	- Array vendor tables have been removed from this section as Veritas NetBackup has an open support policy for Microsoft Volume Shadow Copy Service (VSS) snapshots. - Support is implied if an array vendor supplies and actively supports a VSS provider, or when using a Veritas InfoScale/ Storage Foundation VxVM provider, or when using the Microsoft Default System provider. - Support includes Local, Alternate Client, FlashBackup-Windows Local, and FlashBackup-Windows Alternate Client snapshot methods. - Support extends to NetBackup application agents, Windows virtual machines using VMware RDM disks or Hyper-V Pass-Thru disks, and NetBackup for Hyper-V backups of VM snapshots.

	- Snapshot roll back (Snapshot Client Instant Recovery) is not supported, use the copy back method instead. - Consult with your array vendor on VSS provider availability.

NetBackup Hardware Compatibility Documentation:
NetBackup 10.0 - 10.x.x Hardware and Cloud Storage Compatibility List (last updated on March 08, 2024)
NetBackup Hardware Compatibility Documentation: Introduction

Encryption and Security Solutions for Client **Back to top**

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

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

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

Symantec Security Information Manager

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

For more information on SSIM, see Symantec Security Information Manager (SSIM)

NetBackup Hardware Compatibility Documentation:
NetBackup 10.0 - 10.x.x Hardware and Cloud Storage Compatibility List (last updated on March 08, 2024)
NetBackup Hardware Compatibility Documentation: Introduction

Active Directory Support for Client

This feature is not supported on this platform.

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
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File System Compatibility for Client

There is no information found for this section.

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates

NetBackup OpsCenter Web Browser Requirements

New versions of NetBackup OpsCenter will no longer be delivered after 10.0.0.1.

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
10.0 - 10.x.x OS Software Compatibility List Updates

NetBackup OpsCenter Backup Product Support

New versions of NetBackup OpsCenter will no longer be delivered after 10.0.0.1.

NetBackup Software Compatibility Documentation:
NetBackup 10.0 - 10.x.x Operating System Software Compatibility List (last updated on March 11, 2024)
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NetBackup OpsCenter Operating System Requirements   **Back to top**

New versions of NetBackup OpsCenter will no longer be delivered after 10.0.0.1.

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NetBackup Administration Consoles   **Back to top**

This feature is not supported on this platform.

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NetBackup Ransomware Protection â## Malware Scanning   **Back to top**

This feature is not supported on this platform.

NetBackup Software Compatibility Documentation:
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NetBackup in the Cloud   **Back to top**

Core NetBackup Deployments in the Cloud

NetBackup supports cloud-based Primary Servers and Media Servers as part of extending data protection into workloads in the cloud. For more information, see the "360 Data Management" page.

Core NetBackup Deployments in the Cloud - Considerations

Subject	Notes
Support assumptions	1. NetBackup is supported on any cloud infrastructure environment that meets NetBackup's minimum resource requirements. For details on operating systems supported by NetBackup, please refer to the "NetBackup 10.0 - 10.x.x Operating System Software Compatibility List" . For details on NetBackup minimum resource requirements, please refer to "Installation and upgrade requirements for UNIX and Linux" or "Installation and upgrade requirements for Windows and Windows clusters" in the NetBackup Installation Guide. 2. Veritas does not certify the cloud compute layer or the cloud block storage layer. They are assumed to work as similar physical resources do. 3. NetBackup-certified cloud object storage support is listed in the vendor tables in the Cloud Storage Solutions section of this HCL. 4. NetBackup deployment templates are available for some operating systems and cloud infrastructure solutions. Supported templates are listed in the vendor tables below. For a quicker and easier NetBackup deployment, Veritas strongly recommends using these templates for deploying

	NetBackup instead of doing a manual NetBackup installation. For examples, see Setting up NetBackup CloudCatalyst in AWS and NetBackup in the Cloud - Guidelines for AWS Deployments .

Core NetBackup Deployments in the Cloud - Links to Solution Information

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

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

Core NetBackup Deployments in the Cloud - Deployment Templates

Contents (for details click on the checkbox)

Amazon   Google   Microsoft

NetBackup Snapshot Manager In-Cloud Data Protection

NetBackup Snapshot Manager In-Cloud Data Protection - System Requirements

NetBackup Snapshot Manager In-Cloud Data Protection - Considerations

Subject	Notes
Support considerations	With NetBackup 10.0, below supports have been added. 1. Azure Gen2 Linux on Ubuntu 18.04 and 20.04, RHEL 8.4, and RHEL 7.8. 2. Azure Gen2 Windows on Windows 2019. From NetBackup 10.3.0.1 onwards, Amazon Linux 2 is supported as Asset Operating system for all Snapshot Manager Host Operating systems with Granular Recovery Support included.

General considerations	With NetBackup 10.1 onwards, NetBackup CloudPoint is renamed as NetBackup Snapshot Manager.

NetBackup Snapshot Manager In-Cloud Data Protection - Supported File Systems

NetBackup Snapshot Manager In-Cloud Data Protection is supported with the following operating systems and file systems:

NetBackup Snapshot Manager In-Cloud Data Protection - File system support

Operating System	Supported File Systems
Linux	ext3, ext4, xfs[1]
Windows	NTFS

Footnotes

1. ext2 snapshots are not application-consistent due to underlying OS limitations.

NetBackup Snapshot Manager In-Cloud Data Protection - Supported Azure Kubernetes Service Versions

NetBackup Snapshot Manager In-Cloud Data Protection is supported with the following versions of Azure Kubernetes Service: 1.21.x and later

NetBackup Snapshot Manager In-Cloud Data Protection - High Level Feature Support

NetBackup Snapshot Manager In-Cloud Data Protection high level feature support information is listed in the tables below, organized by vendor.

Contents (for details click on the checkbox)

NetBackup Snapshot Manager In-Cloud Data Protection High Level Feature Support - Amazon Web Services

NetBackup Snapshot Manager In-Cloud Data Protection High Level Feature Support - Google Cloud Platform

NetBackup Snapshot Manager In-Cloud Data Protection High Level Feature Support - Microsoft Azure

NetBackup Snapshot Manager In-Cloud Data Protection High Level Feature Support - Microsoft Azure Stack Hub

NetBackup Snapshot Manager In-Cloud Data Protection - Restore Options from Snapshots

NetBackup Snapshot Manager In-Cloud Data Protection support for snapshot restore options is listed in the tables below, organized by vendor.

Contents (for details click on the checkbox)

NetBackup Snapshot Manager In-Cloud Data Protection Restore Options - Amazon Web Services

NetBackup Snapshot Manager In-Cloud Data Protection Restore Options - Google Cloud Platform

NetBackup Snapshot Manager In-Cloud Data Protection Restore Options - Microsoft Azure

NetBackup Snapshot Manager In-Cloud Data Protection Restore Options - Microsoft Azure Stack Hub

NetBackup Snapshot Manager In-Cloud Data Protection Replication Support Across Regions

NetBackup Snapshot Manager In-Cloud Data Protection support for replication across regions is listed in the tables below, organized by cloud vendor.

Contents (for details click on the checkbox)

NetBackup Snapshot Manager In-Cloud Data Protection Replication Support - Amazon Web Services

NetBackup Snapshot Manager In-Cloud Data Protection Replication Support Across Accounts

NetBackup Snapshot Manager In-Cloud Data Protection support for replication across accounts is listed in the tables below, organized by vendor.

Contents (for details click on the checkbox)

NetBackup Snapshot Manager In-Cloud Data Protection Replication Support - Amazon Web Services

NetBackup Snapshot Manager In-Cloud Data Protection Restore Options for Snapshots Replicated Across Regions

NetBackup Snapshot Manager In-Cloud Data Protection support for restore options for snapshots replicated across regions is listed in the tables below, organized by vendor.

Contents (for details click on the checkbox)

NetBackup Snapshot Manager In-Cloud
Data Protection Replicated Snapshot
Restore Support - Amazon Web Services

NetBackup Snapshot Manager In-Cloud Data Protection Restore Options for Snapshots Replicated Across Accounts

NetBackup Snapshot Manager In-Cloud Data Protection support for restore options for snapshots replicated across accounts is listed in the tables below, organized by vendor.

Contents (for details click on the checkbox)

NetBackup Snapshot Manager In-Cloud
Data Protection Replicated Snapshot
Restore Support - Amazon Web Services

NetBackup Snapshot Manager In-Cloud Data Protection Supported Regions

Region support for cloud providers is listed in the tables below, organized by provider.

NetBackup Snapshot Manager In-Cloud Data Protection - Supported Regions

Cloud Provider	Supported Regions
Amazon Web Services	Africa (Cape Town), Asia Pacific (Hong Kong), Asia Pacific (Mumbai), Asia Pacific (Seoul), Asia Pacific (Singapore), Asia Pacific (Sydney), Asia Pacific (Tokyo), AWS GovCloud (US-East), AWS GovCloud (US-West), Canada (Central), China (Beijing), China (Ningxia), Europe (Frankfurt), Europe (Ireland), Europe (London), Europe (Milan), Europe (Paris), Middle East (Bahrain), South America (Sao Paulo), US East (N. Virginia), US East (Ohio), US West (N. California), US West (Oregon), *Asia Pacific (Jakarta), Middle East (UAE)* , *Asia Pacific (Hyderabad), Asia Pacific (Osaka), Europe (Zurich), Europe (Stockholm), Europe (Spain)*[1][2]
Google Cloud Platform	Asia-East1 (zones a, b, c), Asia-East2 (zones a, b, c), Asia-Northeast1 (zones a, b, c), Asia-Northeast2 (zones a, b, c), Asia-

	Northeast3 (zones a, b, c), Asia-South1 (zones a, b, c), Asia-Southeast1 (zones a, b, c), Asia-Southeast2 (zones a, b, c), Australia-Southeast1 (zones a, b, c), Europe-North1 (zones a, b, c), Europe-West1 (zones b, c, d), Europe-West2 (zones a, b, c), Europe-West3 (zones a, b, c), Europe-West4 (zones a, b, c), Europe-West6 (zones a, b, c), NorthAmerica-Northeast1 (zones a, b, c), SouthAmerica-East1 (zones a, b, c), US-Central1 (zones a, b, c, f), US-East1 (zones b, c, d), US-East4 (zones a, b, c), US-West1 (zones a, b, c), US-West2 (zones a, b, c), US-West3 (zones a, b, c), US-West4 (zones a,b,c), *Asia-South2 (zones a, b, c), Australia-Southeast2 (zones a, b, c), Europe-Central2 (zones a, b, c), Europe-Southwest1 (zones a, b, c), Europe-West8 (zones a, b, c), Europe-West9 (zones a, b, c), NorthAmerica-Northeast2 (zones a, b, c), SouthAmerica-West1 (zones a, b, c) , US-East5 (zones a, b, c), US-South1 (zones a, b, c), ME-West1 (zones a, b, c)*[3][4]
Microsoft Azure	Central US, East US, East US 2, North Central US, South Central US, West US, West US 2, West Central US, Canada Central, Canada East, Brazil South, South Africa North, South Africa West, UAE Central, UAE North, Norway East, Norway West, North Europe, West Europe, France Central, France South, UK South, UK West, Switzerland North, Switzerland West, East Asia, Southeast Asia, Australia Central, Australia Central 2, Australia East, Australia Southeast, Central India, South India, West India, Japan West, Korea Central, Korea South, Germany North, Germany West Central, US Gov Arizona, US Gov Texas, US Gov Virginia, *Central US EUAP, East US 2 EUAP, West US 3, Brazil Southeast, Sweden Central, Jio India West, Jio India Central, Japan East, US DoD Central, US DoD East, US Gov Iowa*[5]
Microsoft Azure Stack Hub	Customer-deployed private regions

Footnotes

1. Support for Asia Pacific (Jakarta) and Middle East (UAE) regions requires NetBackup 10.1 or later.
2. Support for Asia Pacific (Hyderabad), Asia Pacific (Osaka), Europe (Zurich), Europe (Stockholm) and Europe (Spain) regions requires NetBackup 10.1.1 or later.
3. Support for Asia-South2, Australia-Southeast2, Europe-Central2, Europe-Southwest1, Europe-West8, Europe-West9, NorthAmerica-Northeast2 and SouthAmerica-West1 regions requires NetBackup 10.1 or later.
4. Support for US-East5, US-South1 and ME-West1 regions requires NetBackup 10.1.1 or later.
5. Support for Central US EUAP, East US 2 EUAP, West US 3, Brazil Southeast, Sweden Central, Jio India West, Jio India Central, Japan East, US DoD Central, US DoD East and US Gov Iowa regions requires NetBackup 10.1 or later.

NetBackup Snapshot Manager In-Cloud Data Protection - Database Applications

NetBackup Snapshot Manager In-Cloud Data Protection support for database applications is listed in the tables below, organized by vendor.

Contents (for details click on the checkbox)

Microsoft SQL   Oracle

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NetBackup Snapshot Manager   **Back to top**

For more information about configuring NetBackup snapshot manager for storage array snapshots, refer to the "NetBackup™ Snapshot Manager for Data Center Administrator's guide".
For information on hardware and cloud applications that are compatible with earlier versions of NetBackup Snapshot Manager (CloudPoint), see the CloudPoint compatibility lists at NetBackup Compatibility

NetBackup Snapshot Manager - Considerations

Subject	Notes

Vendor support considerations	1. All storage configurations shown in the tables below were tested with drivers and firmware supported by the storage array vendors. Check with these vendors for minimum driver and firmware levels, specific driver and firmware support, support for the stated Veritas products, and other functional options. 2. Veritas supports hardware products listed below that include virtualization capability, but Veritas does not support compatibility issues that can be attributed to the virtualization feature. Veritas requires any compatibility issue to be reproduced in a non-virtualization environment. If the issue is confirmed to be related to Veritas products, Veritas will support its software at the same level as when that software is not running with hardware virtualization products. Veritas will cooperate with virtualization vendors, and attempt to assist in the diagnosis of problems found between the virtualization and Veritas products. 3. Minor ("double-dot") versions of the software listed in the tables below are also supported. (Example: "v5.0" means versions v5.0.1, v5.0.2, etc. are also supported.)
General considerations	With NetBackup 10.1 onwards, NetBackup CloudPoint is renamed as NetBackup Snapshot Manager.
Consistency Group Snapshots	NetBackup Snapshot Manager support consistency group (CG) snapshots for SAN storage arrays wherever CG level snapshot is optimal and applicable. The supported hardware table below mentions whether NetBackup Snapshot Manager performs CG level snapshot for a particular storage array vendor or not.
Storage Array Replication	With NetBackup 10.1 onwards, NetBackup Snapshot Manager can replicate the NAS storage array snapshots that are taken by NetBackup. You must upgrade the NetBackup primary server, media server, and clients to version 10.1 and above to use the replication capabilities. Refer to the "NetBackup™ Snapshot Manager for Data Center Administrator's guide" for more details about replication.

NetBackup Snapshot Manager - Vendor Compatibility

  Contents (for details click on the checkbox)

Dell EMC	Fujitsu	Hewlett Packard Enterprise
Hitachi Vantara	IBM	Infinidat
Lenovo	NetApp	Nutanix
Pure Storage	Qumulo	

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NetBackup Snapshot Manager in Cloud

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Refer to Meeting system requirements.
Refer to Installing container platform (Docker, Podman) for cloud setting.
Refer to Verifying that specific ports are open on the instance or physical host for Port.

NetBackup Documentation References:
NetBackup Snapshot Manager Install and Upgrade Guide

Support for Workloads with Image Sharing in Cloud

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Image Sharing in Cloud is supported with MSDP Direct Cloud Tiering. 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".

Image Sharing in Cloud - Supported Workloads

Workload	NetBackup 10.0 (or later) Start of Support	Notes
Basic backups of files and folders	10.0	
Bare Metal Restore (BMR)	Not supported	Duplication of images is supported. Restores can be done from another NetBackup media server.
DB2	10.0	
Enterprise Vault	10.0	
Hadoop	10.0	
Hbase	10.0	
Hyper-V	10.0	
Informix	10.0	
Lotus Notes	10.0	
MariaDB	10.0	
Microsoft Exchange Server	10.0	
Microsoft SharePoint	10.0	
Microsoft SQL Server	10.0	
MySQL	10.0	
NDMP	10.0	
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	10.0	
Postgres	10.0	
RHV	10.0	
SAP	Not supported	Duplication of images is supported. Restores can be done from another NetBackup media server.
Sybase	10.0	
VMware	10.0	

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Cloud Object Store Protection   **Back to top**

With NetBackup 10.1 onwards, NetBackup can protect Azure Blob Storage and a wide variety of S3 API-compatible object stores like AWS S3, and Google Cloud Platform's object store. You can deploy the NetBackup environment in the same cloud network as the object store, or outside of it.
For more information about Cloud Object store protection, refer to the "NetBackup™ Web UI Cloud Object Store Administrator's Guide".
Note: Cloud vendors may levy substantial charges for data egress for moving data out of their network. Check your cloud provider pricing for data-out before configuring a backup policy that transfers data out of one cloud to another cloud region or an on-premises data center.

Cloud Object Store Protection - Considerations

Subject	Notes

Support assumptions	1. For details on supported operating systems, please refer to the "NetBackup 10.0 - 10.x.x Operating System Software Compatibility List" . 2. NetBackup-certified cloud regions support is listed in the vendor tables in the Cloud Storage Solutions section of this HCL. 3. NetBackup-certified cloud object storage support is listed in the vendor tables in the Cloud Storage Solutions section of this HCL.
Storage tier considerations	NetBackup does not allow configuring all storage tiers to be protected for Cloud Object store because reading data from some of these tiers is very costly. For example, archival tiers from public cloud providers are meant for write once usage and reading data for backup from these tiers incurs a very high cost. If you still need to protect any of these tiers, please contact Veritas support to enable backup of such storage tiers.
Configuration considerations	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" .

Cloud Object Store Protection - Vendor Compatibility

Cloud Object Store	Supported Storage Tiers	Minimum NetBackup version supported
Amazon Simple Storage Service (S3)	STANDARD INTELLIGENT_TIERING STANDARD_IA ONEZONE_IA	10.1
Amazon GovCloud	STANDARD INTELLIGENT_TIERING STANDARD_IA ONEZONE_IA	10.1

Cloudian HyperStore Object Storage	All storage tiers	10.1
Google Cloud Storage	STANDARD NEARLINE COLDLINE	10.1
Microsoft Azure Storage Service	Hot Cool	10.1
Hitachi Vantara Content Platform (HCP) - WAN	All storage tiers	10.1
Hitachi Vantara Content Platform (HCP) - LAN	All storage tiers	10.1
Scality RING Storage - WAN	All storage tiers	10.1
Scality RING Storage - LAN	All storage tiers	10.1
StorageGRID Webscale Object Storage	All storage tiers	10.1.1
Red Hat CEPH Storage	All storage tiers	10.1.1
Dell EMC Elastic Cloud Storage[1]	All storage tiers	10.1
STACKIT Object Storage[2]	All storage tiers	10.1
Alibaba Cloud Object Storage Service (OSS)	All storage tiers	10.3
NetApp ONTAP S3	All storage tiers	10.3
Quantum ActiveScale Systems[3]	Standard	10.3
Microsoft Azure Data Lake Storage Gen2 Service	Hot Cool	10.3

Footnotes

1. Requires Cloud Configuration Package version 2.10.5 or later.
2. Requires Cloud Configuration Package version 2.10.11 or later.
3. Requires Cloud Configuration Package version 2.11.1 or later.

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There is no information found for this section.

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End of Life (EOL) announcement and platforms no longer supported by   **Back to top**
NetBackup

The following Operating System and Application Versions/Architectures in the 10.x.x versions of NetBackup will be End of Life.

Platform and Application Versions	CPU Architecture	OS Bits	NetBackup	Last NetBackup Release Supported
HP-UX	ALL	64	Client	10.0.0.1
Red Hat Enterprise Linux 7.4, 7.5, 7.6, 7.7, 7.8	ALL	64	ALL	10.2.0.1

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Documentation

Product Documentation

- NetBackup Documentation Landing Page (Including links for all PDFs individually, and PDFs in a single .zip file)
NetBackup 10.3 Administrator's Guide, Volume I
NetBackup 10.3 Administrator's Guide, Volume II
NetBackup Bare Metal Restore Administrator's Guide
NetBackup Cloud Administrator's Guide
NetBackup Clustered Primary Server Administrator's Guide
NetBackup Commands Reference Guide
NetBackup Deduplication Guide
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NetBackup Installation Guide
NetBackup Logging Reference Guide
NetBackup Marketplace Deployment Guide on AWS
NetBackup Marketplace Deployment Guide on Azure Kubernetes Services
NetBackup Marketplace Deployment Guide on Microsoft Azure
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NetBackup Oracle Administrator's Guide
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Late Breaking News

Updates, Patches and Late Breaking News for NetBackup 10.x

Veritas Services and Operations Readiness Tools (SORT)

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Support for NetBackup in virtual environments
NetBackup is not supported on hosts with Backup Exec installed

Performance and Tuning Guidelines

How to estimate the number of master servers needed
How to estimate the number of media servers needed
NetBackup Backup Planning and Performance Tuning Guide

Product End of Life Information

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

Other Related Documentation

Veritas Entitlement Management System Guide