

Custom Reports Using Data Collectors

Get ready for a newer version of NetBackup (10.4)

Installation and Upgrade Checklist Report for NetBackup Enterprise Server 9.0, NeoKylin Linux Advanced Server 6.0, x86-64

This platform is supported only as a client.

Important Notes

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No new versions for NetBackup OpsCenter after 10.0.0.1

NetBackup 10.0 (including maintenance release 10.0.0.1) is the last NetBackup version to include NetBackup OpsCenter and OpsCenter Analytics.
Please refer to NetBackup OpsCenter last release and transition to NetBackup IT Analytics FAQ for more information.

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Install Information

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Get ready for a newer version of NetBackup (10.4)

Procedure Overview:

Install the NetBackup Enterprise Server 9.0 release.

To obtain the 9.0 release, please go to [Veritas Download Center](#)

In order to install NetBackup Enterprise Server 9.0, follow the installation instructions found in the [NetBackup Installation Guide](#). Be sure to review the [Updates, Patches and Late Breaking News for NetBackup 9.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

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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 Primary 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 Primary Server | NetBackup Media Server | NetBackup Client |
|--------------------------|------------------------|---|
| 9.0 | 8.0 | 7.7.3, 8.0 |
| 9.0 | 8.1 | 7.7.3, 8.0, 8.1 |
| 9.0 | 8.1.1 | 7.7.3, 8.0, 8.1, 8.1.1 |
| 9.0 | 8.1.2 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2 |
| 9.0 | 8.2 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2 |
| 9.0 | 8.3 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1, 8.3.0.2 |
| 9.0 | 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 |
| 9.0 | 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 |

Veritas Services and Operations Readiness Tools (SORT)

| | | |
|---------|---------|---|
| 9.0 | 9.0 | 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, 9.0, 9.0.0.1 |
| 9.0 | 9.0.0.1 | 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, 9.0, 9.0.0.1 |
| 9.0.0.1 | 8.0 | 7.7.3, 8.0 |
| 9.0.0.1 | 8.1 | 7.7.3, 8.0, 8.1 |
| 9.0.0.1 | 8.1.1 | 7.7.3, 8.0, 8.1, 8.1.1 |
| 9.0.0.1 | 8.1.2 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2 |
| 9.0.0.1 | 8.2 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2 |
| 9.0.0.1 | 8.3 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1, 8.3.0.2 |
| 9.0.0.1 | 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, 8.3.0.2 |
| 9.0.0.1 | 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 |
| 9.0.0.1 | 9.0 | 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, 9.0, 9.0.0.1 |
| 9.0.0.1 | 9.0.0.1 | 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, 9.0, 9.0.0.1 |
| 9.1 | 8.0 | 7.7.3, 8.0 |
| 9.1 | 8.1 | 7.7.3, 8.0, 8.1 |
| 9.1 | 8.1.1 | 7.7.3, 8.0, 8.1, 8.1.1 |
| 9.1 | 8.1.2 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2 |
| 9.1 | 8.2 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2 |
| 9.1 | 8.3 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1, 8.3.0.2 |
| 9.1 | 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, 8.3.0.2 |
| 9.1 | 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 |
| 9.1 | 9.0 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 9.0, 9.0.0.1 |

Veritas Services and Operations Readiness Tools (SORT)

| | | |
|---------|---------|---|
| 9.1 | 9.0.0.1 | 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, 9.0, 9.0.0.1 |
| 9.1 | 9.1 | 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, 9.0, 9.0.0.1, 9.1 |
| 9.1 | 9.1.0.1 | 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, 9.0, 9.0.0.1, 9.1, 9.1.0.1 |
| 9.1.0.1 | 8.0 | 7.7.3, 8.0 |
| 9.1.0.1 | 8.1 | 7.7.3, 8.0, 8.1 |
| 9.1.0.1 | 8.1.1 | 7.7.3, 8.0, 8.1, 8.1.1 |
| 9.1.0.1 | 8.1.2 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2 |
| 9.1.0.1 | 8.2 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2 |
| 9.1.0.1 | 8.3 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 8.3.0.1, 8.3.0.2 |
| 9.1.0.1 | 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, 8.3.0.2 |
| 9.1.0.1 | 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 |
| 9.1.0.1 | 9.0 | 7.7.3, 8.0, 8.1, 8.1.1, 8.1.2, 8.2, 8.3, 9.0, 9.0.0.1 |
| 9.1.0.1 | 9.0.0.1 | 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, 9.0, 9.0.0.1 |
| 9.1.0.1 | 9.1 | 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, 9.0, 9.0.0.1, 9.1, 9.1.0.1 |
| 9.1.0.1 | 9.1.0.1 | 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, 9.0, 9.0.0.1, 9.1, 9.1.0.1 |

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 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.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 9.0 on Support site](#).

| Hot Fix | Description | Install Location |
|---------------------------|--|--|
| UPD344759 | NetBackup Java Administration Console Language Pack (article 100033052) | Java Administration Console |
| UPD519863 | NetBackup 9.0 / 4.0 Hotfix - VMware virtual machine entered into emergency mode at first boot after successful restore. (Etrack 4044423) | Primary(Master) Server, Media Server, Client |
| UPD162444 | NetBackup Primary Server Migration Tool 2.3.1 | 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 |
| UPD238422 | Bare Metal Restore Third-Party Products CD (3PPCD) | Primary(Master) Server, Media Server, Client |
| UPD629981 | NetBackup 9.0 / 4.0 Hotfix - MSDP EEB Bundle (Etrack 4021634) | Primary(Master) Server, Media Server, Client |

NetBackup Documentation References:

Updates, Patches and Late Breaking News for NetBackup 9.x

Patches for Operating System for Client

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| |
|--|
| Required Patches There is no information found for this section. |
|--|

- NetBackup Documentation References:
- [NetBackup Release Notes](#)
 - [NetBackup Self Service Release Notes](#)

NetBackup Appliances

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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.

Note: The NetBackup 5230 Appliance and the NetBackup 5240 CloudCatalyst Appliance are not supported with version 4.0 and later.

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 5230 and CloudCatalyst 5240 Appliance models have been removed from this document since these models are not supported with version 4.0 and later.

NetBackup 5300 Series - Supported Versions

| NetBackup 5300 Series Appliance Release | Supported NetBackup Appliance Models | Based on NetBackup Release |
|---|--------------------------------------|----------------------------|
| 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 |
|---|--------------------------------------|----------------------------|
| 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 |
|-------------------------------------|----------------------------|----------------------------|
| 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) |
|----------------------------------|---|--|--|--|
| 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 | 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1 | 10.1.1, 10.1, 10.0.0.1, 10.0, 9.1.0.1, 9.1 | 17.1, 17.0, 16.0.1, 16.0, 15.0.2, 15.0 ^{[1][2][3][4][5][6]} |
| 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 ^{[7][8]} [9][1][2][3][4][5] |
| 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 ^{[7][8]} [9][1][2][3][4][5] |

| | | | | |
|-------|---|--|--|---|
| 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 ^{[7][8][9][1][2][3][4]} |
| 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 ^{[7][8][9][1][2]} |
| 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 ^{[7][8][9]} |
| 1.3.1 | 5340 (Configuration A), 5150 | 8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1 ^[10] | 8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1 ^[10] | Not supported |
| 1.3 | 5340 (Configuration A), 5150 | 8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1 ^[10] | 8.3.0.1, 8.2, 8.1.2, 8.1.1, 8.1 ^[10] | Not supported |

Footnotes

1. WORM storage server version 15.0 requires NetBackup primary and media server version 9.1 or later.
2. WORM storage server version 15.0.2 requires NetBackup primary and media server version 9.1.0.1 or later.
3. WORM storage server version 16.0 requires NetBackup primary and media server version 10.0 or later.
4. WORM storage server version 16.0.1 requires NetBackup primary and media server version 10.0.0.1 or later.
5. WORM storage server version 17.0 requires NetBackup primary and media server version 10.1 or later.
6. WORM storage server version 17.1 requires NetBackup primary and media server version 10.1.1 or later.
7. WORM storage server version 13.0.2 requires NetBackup primary and media server version 8.3.0.2 or later.
8. WORM storage server version 14.0 requires NetBackup primary and media server version 9.0 or later.
9. WORM storage server version 14.0.1 requires NetBackup primary and media server version 9.0.0.1 or later.
10. 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 4.0 | NetBackup Appliances running 4.1 |
|---|----------------------------------|----------------------------------|
| 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 Glacier Instant Retrieval (IR) (S3) | Not supported | Not supported |
| Amazon GovCloud Glacier (S3) | Included in release | Included in release |
| Amazon GovCloud Glacier Deep Archive (S3) | Included in release | Included in release |
| Amazon GovCloud Glacier Instant Retrieval (IR) (S3) | Not supported | Not supported |
| 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 |

Veritas Services and Operations Readiness Tools (SORT)

| | | |
|--|---------------------|---------------------|
| 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 |
| Dell EMC Isilon PowerScale series (S3) | Not supported | 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 Archive (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 |
| Hewlett Packard Enterprise Cloud Volumes (S3) | Included in release | Included in release |
| Hitachi Vantara Content Platform (HCP) (S3) | Included in release | Included in release |
| Hitachi Vantara HCP for Cloud Scale (S3) | Included in release | Included in release |
| IBM Cloud Object Storage - Cold Vault (S3) | Included in release | Included in release |
| IBM Cloud Object Storage - Private (S3) | Included in release | Included in release |
| IBM Cloud Object Storage - Smart Tier (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 |
| Infonika 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 |

Veritas Services and Operations Readiness Tools (SORT)

| | | |
|---|---------------------|---------------------|
| 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 HYDRAsor 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 HYDRAsor 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) | Included in release | Included in release |
| Oracle Cloud Infrastructure (S3) | Included in release | Included in release |
| Orange Business Services Flexible Engine OBS (S3) | Included in release | 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) | Included in release | Included in release |
| Scality RING Storage (S3) | Included in release | Included in release |
| Seagate Lyve Cloud (S3) | Not supported | 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 |
| Tencent Cloud Object Storage (COS) - ARCHIVE (S3) | Not supported | Included in release |
| Tencent Cloud Object Storage (COS) - DEEP ARCHIVE (S3) | Not supported | Included in release |

| | | |
|---|---|---|
| Tencent Cloud Object Storage (COS) - Archive (S3) | Not supported | Included in release |
| Tencent Cloud Object Storage (COS) - Standard IA (S3) | Not supported | Included in release |
| Veritas Recovery Vault Amazon S3 | Requires 4.0.0.1 and the Emergency Engineering Binaries in this bundle: https://www.veritas.com/content/support/en_US/downloads/update.UPD217820 | Requires 4.1.0.1 and the Emergency Engineering Binaries in this bundle: https://www.veritas.com/content/support/en_US/downloads/update.UPD251988 |
| Veritas Recovery Vault Amazon GovCloud | Requires 4.0.0.1 and the Emergency Engineering Binaries in this bundle: https://www.veritas.com/content/support/en_US/downloads/update.UPD217820 | Requires 4.1.0.1 and the Emergency Engineering Binaries in this bundle: https://www.veritas.com/content/support/en_US/downloads/update.UPD251988 |
| Veritas Recovery Vault Azure | Requires 4.0.0.1 and the Emergency Engineering Binaries in this bundle: https://www.veritas.com/content/support/en_US/downloads/update.UPD217820 | Requires 4.1.0.1 and the Emergency Engineering Binaries in this bundle: https://www.veritas.com/content/support/en_US/downloads/update.UPD251988 |
| Veritas Recovery Vault Azure Government | Requires 4.0.0.1 and the Emergency Engineering Binaries in this bundle: https://www.veritas.com/content/support/en_US/downloads/update.UPD217820 | Requires 4.1.0.1 and the Emergency Engineering Binaries in this bundle: https://www.veritas.com/content/support/en_US/downloads/update.UPD251988 |
| Veritas Access (S3) | Included in release | Included in release |
| Veritas Access 3340 Appliance (S3) | Included in release | Included in release |
| XSKY Enterprise Object Storage (S3) | Not supported | 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 9.0 - 9.x.x Operating System Software Compatibility List](#)", application and database agents "[NetBackup 9.0 - 9.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 8.2 - 8.x.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 | 4.0 | 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 | 4.0 | 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) | 4.0 | 5200 Series, 5300 Series, Virtual | |
| Accelerator with NDMP | 4.0 | 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 | 4.0 | 5200 Series, 5300 Series, Virtual | |
| Auto Image Replication to MSDP/5200 Series or 5300 Series over Ethernet | 4.0 | 5200 Series, 5300 Series, Virtual | |
| Auto Image Replication to MSDP/5200 Series or 5300 Series over Fibre Channel (FC) | 4.0 | 5200 Series, 5300 Series | |
| Client Deduplication / Client Direct over Ethernet | 4.0 | 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 8.0 - 8.x.x Operating System Software Compatibility List" . Data Immutability/WORM is supported with Client Direct with NetBackup Appliances running version 4.1 and later. |

Veritas Services and Operations Readiness Tools (SORT)

| | | | |
|--|-----|-----------------------------------|--|
| Copilot for Oracle | 4.0 | 5200 Series, 5300 Series, Virtual | For more information on this feature, see the "NetBackup Copilot for Oracle Configuration Guide" . |
| Fibre Transport Media Server | 4.0 | 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 | 4.0 | 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) | 4.0 | 5200 Series, 5300 Series, Virtual | |
| Granular Recovery Technology (GRT) with VMware-type policies | 4.0 | 5200 Series, 5300 Series, Virtual | Support for VMware-type backup policies with Application Protection options enabled for Exchange or SharePoint. |
| Instant Data Access | 4.0 | 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 | 4.0 | 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 Initiator - Hardware-assisted with TCP Offload Engine (TOE) card | 4.0 | 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) | 4.0 | 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) | 4.0 | 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 | 4.0 | 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 | 4.0 | 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 | 4.0 | 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. |

Veritas Services and Operations Readiness Tools (SORT)

| | | | |
|---|-----|-----------------------------------|---|
| OpsCenter | 4.0 | 5200 Series, 5300 Series, Virtual | |
| OpsCenter Managed Server | 4.0 | 5200 Series, 5300 Series, Virtual | |
| Optimized Duplication (Opt_Dup) over Ethernet | 4.0 | 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) | 4.0 | 5200 Series, 5300 Series | Supported from 5200/5300 Series to 5200/5300 Series (MSDP to MSDP) |
| Optimized Synthetics (Opt_Synth) | 4.0 | 5200 Series, 5300 Series, Virtual | |
| Tape Drive Support | 4.0 | 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 | 4.0 | 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 Administration Console to configure robots and |

| | | | |
|------------------------------------|-----|--------------------------|---|
| | | | tape drives on the NetBackup Appliance. |
| Universal Shares | 4.0 | 5200 Series, 5300 Series | For more information on configuring Universal Shares, see Manage > Storage > Universal Shares |
| Virtual Tape Library (VTL) Support | 4.0 | 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 Administration Console to configure VTLs and emulated tape drives on the NetBackup Appliance. |

NetBackup Hardware Compatibility Documentation:
[NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List](#) (last updated on March 04, 2024)
[NetBackup Hardware Compatibility Documentation: Introduction](#)
[Appliance Compatibility List](#)

NetBackup Self Service

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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: https://www.veritas.com/support/en_US/doc/109481741-127663622-0/index
- Veritas NetBackup™ Self Service Release Notes: https://www.veritas.com/support/en_US/doc/109473637-127663620-0/index
- Veritas NetBackup™ Self Service Configuration Guide: https://www.veritas.com/support/en_US/doc/109536476-127663621-0/index

NetBackup Self Service OS Platform Compatibility

| NetBackup Self Service Versions | Supported Platforms | Supported Databases |
|---------------------------------|--|--|
| NetBackup Self Service 9.0 ,9.1 | Windows Server 2012 R2 Windows Server 2016 Windows Server 2019 | Microsoft SQL Server 2014 Microsoft SQL Server 2016 Microsoft SQL Server 2017 Microsoft SQL Server 2019 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 Self Service Versions | NetBackup Versions | Appliance Versions |
|---------------------------------|--|--|
| NetBackup Self Service 9.0, 9.1 | NetBackup 8.0 NetBackup 8.1 NetBackup 8.1.1 NetBackup 8.1.2 NetBackup 8.2 NetBackup 8.3 NetBackup 8.3.0.1 NetBackup 9.0 NetBackup 9.0.0.1 NetBackup 9.1 | NetBackup Appliance 3.0 NetBackup Appliance 3.1 NetBackup Appliance 3.1.1 NetBackup Appliance 3.1.2 NetBackup Appliance 3.2 NetBackup Appliance 3.3.0.1 NetBackup Appliance 4.0 NetBackup Appliance 4.1 NetBackup Virtual Appliance 3.0 FlexScale 1.3.1 |

| | | |
|--|-----------------------------|----------------------|
| | NetBackup 9.1.0.1 [1][2] | FlexScale 2.1 [2] |
|--|-----------------------------|----------------------|

Footnotes

1. NetBackup Self Service 9.0 with NetBackup 9.1 does not support protection of cloud asset
2. All NetBackup Triple dot releases are supported unless specified otherwise

VMware vCloud Director Compatibility

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

| Self Service Versions | vCloud Director Versions |
|---------------------------------|--|
| NetBackup Self Service 9.0, 9.1 | 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 [1][1][1][1][1][1] |

Footnotes

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

NetBackup Self Service Supported Web Browsers

- Microsoft Edge
- Microsoft Internet Explorer 11
- Mozilla Firefox
- Google Chrome
- Apple Safari [not recommended]

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

Software Compatibility List (SCL) for Client

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KylinSoft Corporation Kylin Linux Advanced Server - NetBackup Client

| OS | CPU Architecture | OS Bits | NetBackup Client | NetBackup Bits | NBAC | SAN Client | Minimum NetBackup Level |
|------------------------------------|------------------|---------|------------------|----------------|------|------------|-------------------------|
| NeoKylin Linux Advanced Server 6.0 | x86-64 | 64 | Y | 64 | | | 9.0 |

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

[Operating Systems Compatibility List General Information](#)

SAN Media Server/SAN Client/FT Media Server for Client

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- 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 Fibre 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 Fibre Channel.
- The NetBackup SAN Client Fibre 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 Fibre 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. Fibre 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 occurs 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 Fibre 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 Fibre 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 Fibre Transport Media Server HBAs section for supported Operating Systems and HBAs. https://www.veritas.com/content/support/en_US/article.100040093

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

System Requirements for Client

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Temporary Disk Space Requirement for Install or Upgrade

After downloading the software, temporary disk space is required for the installation process on almost all platforms. For local installs or remote (push) installs using the rsh or ssh method, you may designate where this temporary space is located via use of environment variables, NB_TMPDIR or TMPDIR on the client. NB_TMPDIR is used if set, TMPDIR next if set, otherwise /tmp. For ftp or sftp remote installs, the client software is moved to /tmp on the client and during the install environment variables NB_TMPDIR or TMPDIR are used as mentioned previously. For details, consult the Installation Guide.

Local installs on this platform do not require any temporary disk space.

For remote installs, you will need approximately 916 MBs for placement of the client software and, then, for the install.

If using Live Update, you will need 4.5 GBs of temporary disk space. The location of the temporary disk space is designated in the 'workdir' setting in the /usr/opensv/netbackup/nblu.conf file with /tmp being the default.

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

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This feature is not supported on this platform.

NetBackup Hardware Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List](#) (last updated on March 04, 2024)

[NetBackup Hardware Compatibility Documentation: Introduction](#)

Bare Metal Restore File System/Volume Manager Support for Client

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This feature is not supported on this platform.

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List](#) (last updated on July 12, 2023)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

Virtual Systems Compatibility for Client

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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

Virtual Systems Compatibility - Refer: Support for NetBackup in a Virtual Environment - https://www.veritas.com/content/support/en_US/article.100040093

- For supported vSAN configurations, refer article <https://kb.vmware.com/s/article/55071>
- 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) and VMware Cloud Foundation on Dell EMC VxRail is supported on NetBackup 9.0 and later versions.
- VMware HyperScale Partner- Azure VMware solution is supported on NetBackup 9.0 and later versions.
- Google Cloud VMWare Engine(GCVE) is supported on NetBackup 9.1 and later versions.
- 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 |
|--------------------|---------------|---|--|--|
| 9.0 | 7.0 | vSphere 7.0, 7.0 U1, 7.0 U2, 7.0 U3 vSphere 6.7, 6.7 U1, 6.7 U2, 6.7 U3 vSphere 6.5, 6.5 U1, 6.5 U2, 6.5 U3 VMware vSAN 6.5, 6.6, 6.6.1, 6.7, 6.7 U1, 6.7 U2, 6.7 U3 VMware vSAN 7.0 , 7.0 U1, 7.0 U2, 7.0 U3 Refer VMware VDDK release notes URL below for additional information | Service Provider Versions: 9.0, 9.1, 9.5, 9.7, 10, 10.1 | All 64 bit only: Windows Server 2019, 2016, 2012 R2, 2012 Red Hat Enterprise Linux (RHEL) 7.7, 8.0 SUSE Linux Enterprise Server (SLES) 12SP5, 15SP1 CentOS 7.7 |

| | | | | |
|--|--|---|--|--|
| | | on supported vCenter and ESXi versions. | | |
|--|--|---|--|--|

- NetBackup does not support the vCloud Director 8.20, 9.0 and 10 feature called "Automatic discovery and import of vCenter VMs."

Note the following:

- NetBackup Instant Access is not supported with VMware vSphere 7.0 U1, 7.0 U2 and 7.0 U3 on NetBackup 9.0, 9.0.0.1, 9.1.
- The EEB required for Instant Access with VMware vSphere 7.0 U1, 7.0 U2, and 7.0 U3 on 9.1.0.1 can be obtained from Veritas Technical Support.
- 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: http://www.vmware.com/resources/compatibility/sim/interop_matrix.php
- 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.
- NetBackup 9.0 and later versions support VMware Virtual Volumes (VVols)
- NetBackup supports all triple-dot versions of VMware vCloud Director, unless otherwise noted.
- Install "VMware ESXi 6.0, Patch Release ESXi600-201511001 (2137545)" for consistent backups. This ESX patch is mandatory, according to VMware, to fix the data loss situation reported in VMware KB article 2136854. For more information about the cause and the resolution of this issue, see: http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2136854

VMware VDDK Release Notes:

- VDDK 7.0 Release Notes: <https://code.vmware.com/docs/11697/virtual-disk-development-kit-7-0-release-notes>.
- VDDK 7.0.2 Release Notes: <https://vdc-download.vmware.com/vmwb-repository/dcr-public/357c1280-36b1-4713-8587-8e3b0858b2a6/6e6dd894-bd49-48bb-86ea-f8bffece8542/VDDK-702-ReleaseNotes.html>

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: <http://www.veritas.com/docs/000006177>

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 |
|--------------------|--|--|--|
| 9.0, 9.0.0.1 | Hyper-V Server 2019 Hyper-V Server 2016 Hyper-V Server 2012 R2 | NetBackup Add-In and Hyper-V Intelligent Policy for • SCVMM 2012 R2 • SCVMM 2016 • SCVMM 2019 | • Hyper-V Intelligent Policy supported only for Hyper-V Server 2012 R2 (and associated updates), Hyper-V Server 2016, Hyper-V Server 2019. • 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 <https://www.veritas.com/docs/100041472>

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 |
|--------------------|---|---|--|
| 9.0 9.0.0.1 | 5.10 5.11 5.15 5.17 5.18 5.19 5.20 6.0 6.1 6.5 | NetBackup 9.0 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:

- Starting NetBackup 9.0, BigData policy cannot be used to protect Nutanix AHV VMs. Refer: https://www.veritas.com/content/support/en_US/doc/127664414-145604802-0/index
- 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.
- Veritas recommends having NetBackup Media server as Backup-Host. For Nutanix Backup Hosts earlier than NetBackup version 9.0, please refer: https://download.veritas.com/resources/content/live/OSVC/100046000/100046611/en_US/nbu_80_scl.html?__gda__=1609411610_3ee50aa4e31e9ef3fb902c7b37a12612
- 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.

Red Hat Virtualization Compatibility

Supported RedHat Virtualization (RHV) Versions

- NetBackup currently supports only x86-64 editions of RHV servers.

| NetBackup Versions | RHV Versions |
|--------------------|---------------|
| 9.0 | 4.2, 4.3, 4.4 |

Note:

- Support of Red Hat Virtualization Manager and Hypervisor starts from version 4.2.7
- NetBackup 9.0 supported x86-64 platforms of Microsoft Windows Server, Red Hat Enterprise Linux and SUSE Linux Enterprise Server will work as backup hosts.
- Application consistent backup needs RHV Guest Agent.
- Pass through disk cannot be backed up by RHV agent. Please install NetBackup client inside the VM to protect data on such disks.
- RHV 4.3.3 has issue in restoring thick provision disk. Till fix is available from RedHat, please restore disk as thin provision.
- VMs in suspended state cannot be protected.
- Cinder storage is currently not supported.
- Backup of VMs based on a template (thin clone) may fail to delete snapshots created by the backup job. If such a condition is encountered, then subsequent backups would fail.

This issue is related to a race condition in RHV Manager versions 4.2.x, 4.3.0 to 4.3.3. Red Hat recommends upgrading RHV Manager to 4.3.4 before protecting such VMs.

Refer: <https://access.redhat.com/support/policy/updates/rhev>

OpenStack Virtualization Compatibility

Supported OpenStack Versions

Distributions which include the following OpenStack versions are supported.

Supported Hypervisor: KVM

| NetBackup Versions | OpenStack Revisions | Backup/Restore Host Versions |
|--------------------|--|--|
| 9.0 | Mitaka, Newton, Ocata, Pike, Queens, Rocky, Stein, Train, Victoria, Ussuri | NetBackup 9.0 supported x86-64 platforms of Red Hat Enterprise Linux and SUSE Linux Enterprise Server will work as backup hosts. |

VMware vRealize Compatibility

| Veritas NetBackup plug-in for VMWare vRealize Version | VMWare vRealize Orchestrator Versions | NetBackup Versions |
|---|---------------------------------------|------------------------------------|
| 1.1 | 7.5 7.6 | NetBackup 9.0 |
| 2.0 | 8.3 8.4 | NetBackup 9.0 NetBackup 9.0.0.1 |

Note:

- NetBackup 9.0 and later versions support Backup Now for VMWare VM, AWS VM and AWS Volumes
- NetBackup 9.0 and later versions support API Key Authentication in addition to standard Authentication. This is recommended

Azure Stack HUB

Supported Azure Stack versions and backup host operating systems

NetBackup protects Azure Stack virtual machines by integrating with Azure Stack APIs for Data Protection. All minor versions of Azure Stack are supported unless specifically noted in the table below.

| NetBackup Versions | Azure Stack HUB Versions |
|--------------------|--------------------------|
| 9.0 | 2002 |

Note the following:

- NetBackup 9.0 and later versions supports Managed disk
- NetBackup 9.0 and later versions supports restore unmanaged disk VMs in Managed Disk VM format
- NetBackup 9.0 and later versions supports restore unmanaged disk in Managed Disk format
- Backups are Crash Consistent.

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

Client Selections for Backup Policies for Client

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The information in the Client Selection column of the table below is the client type that should be selected when installing NetBackup as a client on the Operating System/Version and Architecture listed in this table.

Where support is shown for "Windows Server 2008" or "Windows Server 2008 R2" it is implied that Standard Edition, Enterprise Edition, Datacenter Edition, and Web Edition are supported.

Where support is shown for "Windows Server 2012" or "Windows Server 2012 R2" it is implied that Standard Edition, Datacenter Edition, Essentials Edition, and Foundation Edition are supported.

NetBackup 8.1.2 and later will require Linux Kernel version 2.6.32 or higher

| OS | CPU Architecture | NetBackup 9.0 Client Selection |
|--|------------------|--------------------------------|
| NeoKylin Linux Advanced Server 6.0 Update7 | x86-64 | Linux, Debian 2.6.18 |

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

Deduplication Supported Operating Systems for Client

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This feature is not supported on this platform.

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

Database and Application Agent Compatibility for Client

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This feature is not supported on this platform.

NetBackup Database and Application Agent Documentation:

[NetBackup 9.0 - 9.x.x Database and Application Agent Compatibility List \(last updated on September 14, 2023\)](#)

[9.0 - 9.x.x Database and Application Agent Software Compatibility List Updates](#)

Snapshot Client - General Information for Client

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This section contains Snapshot Client compatibility information for Veritas NetBackup 9.0 - 9.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 | <p>For details on supported operating systems, please refer to the "NetBackup 9.0 - 9.x.x Operating System Software Compatibility List" .</p> <p>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.</p> <p>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.</p> <p>3. Where support is shown for "Windows Server 2019 Datacenter" it also means that the other editions of Windows Server 2019 are supported.</p> <p>4. SUSE Linux Enterprise Server 12 support requires SP3 or later.</p> |

NetBackup Hardware Compatibility Documentation:
[NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List](#) (last updated on March 04, 2024)
[NetBackup Hardware Compatibility Documentation: Introduction](#)

This feature is not supported on this platform.

NetBackup Hardware Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List](#) (last updated on March 04, 2024)

[NetBackup Hardware Compatibility Documentation: Introduction](#)

Snapshot Client - Software-based Snapshot Methods for Client

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This feature is not supported on this platform.

NetBackup Hardware Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List](#) (last updated on March 04, 2024)

[NetBackup Hardware Compatibility Documentation: Introduction](#)

Encryption and Security Solutions for Client

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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 https://support.symantec.com/en_US/dpl.52517.html

NetBackup Hardware Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List](#) (last updated on March 04, 2024)

[NetBackup Hardware Compatibility Documentation: Introduction](#)

File System Compatibility for Client

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NetBackup supports backing up file data on all POSIX compliant file systems. The table below represents the platform configurations that have been tested for compatibility with ACLs and other extended attributes. Unless otherwise noted in the table below, ACLs and other extended attributes are not supported.

NetBackup has improved its integration with the Veritas File System (VxFS) product to ensure interoperability on all compatible VxFS versions. If you run a VxFS version that is older than VxFS 4.0 then you need to install new VxFS libraries on the client to back up the systems that run VxFS. You can search and download the appropriate VxFS libraries to your system from Patch Central on the Veritas Support Web site. See, <https://sort.veritas.com/patch/finder>

Note :

- For Linux Operating Systems, the backup and restore of extended attributes set by the chattr command on XFS, ZFS, BTRFS etc. is not supported
- Cross platform restore of extended attributes is not supported.

| File System | ACL | Other Extended Attributes or Named Data Streams | Notes / Exceptions |
|------------------|-----|---|----------------------|
| Ext2, Ext3, Ext4 | Yes | Yes | - Update 7 and later |

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List](#) (last updated on July 12, 2023)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

NetBackup OpsCenter Web Browser Requirements[Back to top](#)

| Web Browser | Versions | Notes |
|-----------------------------|--|---|
| Microsoft Internet Explorer | <ul style="list-style-type: none"> - 7.x, 8.x, 9.0, 10.0, 11.0 - 32-bit and 64-bit | <ul style="list-style-type: none"> - IE 7.0 and later versions may display a security certificate warning page when you access OpsCenter. Reference "Disabling security certificate warnings permanently from browsers" instructions in the NetBackup OpsCenter Administrator's Guide. - It may not be possible to view reports, jobs, or audit data when exporting from IE 9.0. Alternatively, IE 9.0 may show a "Internet Explorer Cannot Download" error when exporting reports, jobs, or auditing data from OpsCenter. - Reference "Exporting OpsCenter reports or data with IE 9.0" instructions in the NetBackup OpsCenter Administrator's Guide. - Extra steps are required to access the OpsCenter console using Internet Explorer version 7 or 8 on a 32-bit Windows computer. For more information, see "About web browser considerations" in the NetBackup OpsCenter Administrator's Guide. - NetBackup 7.7.2 and later support OpsCenter with IE 11 - The NetBackup OpsCenter Administrator's Guide and other Guides are available by selecting the appropriate NetBackup version link at http://www.veritas.com/docs/000003214 |

| | | |
|-----------------|---|---|
| Mozilla Firefox | <ul style="list-style-type: none">- 3.0, 3.5.x, 3.6.x, 9.0.1 and above for OpsCenter 7.0 to 7.5.- 15.0 and later versions for OpsCenter 7.6 and later.- 32-bit and 64-bit- 27.0 and later versions for OpsCenter 8.0 and later | - Mozilla Firefox may display an Untrusted Connection page when you access OpsCenter. Reference "Disabling the Untrusted Connection page in Mozilla Firefox" instructions in the Veritas OpsCenter Administrator's Guide. |
|-----------------|---|---|

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

NetBackup OpsCenter Backup Product Support

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There are two OpsCenter products: Veritas NetBackup OpsCenter and Veritas NetBackup OpsCenter Analytics.

OpsCenter does not require any license and is included with the NetBackup Enterprise Server and Server products. OpsCenter provides single deployment configuration and user interface for monitoring, alerting, and reporting functionality. It provides monitoring, management and administration capabilities for NetBackup as well as operational reporting for other products as designated in the following table.

OpsCenter Analytics is the licensed version of OpsCenter. In addition to the features available in the unlicensed OpsCenter version, Analytics offers report customization, chargeback reporting and support for third-party data protection products as designated in the following table. The primary objectives of this product are to help organizations assess their compliance with business standards, e.g., service level agreements, and assist in effective business planning, e.g., future backup requirements via backup trend analysis.

Listed in the table below are the backup and archiving products and versions supported by OpsCenter and OpsCenter Analytics.

| Backup Product | Version | Support Level | Analytics License Required |
|-------------------|-------------------------|--|----------------------------|
| Veritas NetBackup | 7.7 and higher versions | All supported NetBackup platforms by Remote Agent. | No |

| | | | |
|-----------------------------|--|---|----|
| | | Native OpsCenter agent for Windows 2008 (SP2 and R2) and Solaris 10 and 11. BCS customer are entitled to receive support for the legacy products until 2019. Refer to https://www.veritas.com/support/en_US/business-critical-services/support-extensions-program.html | |
| Veritas NetBackup Appliance | See NetBackup Hardware Compatibility List for Appliance support information. http://www.veritas.com/docs/000025228 | Data collection happens automatically by NBSL | No |
| Veritas NetBackup PureDisk | 6.2, 6.2.2, 6.5, 6.5.1, 6.5.1.2, 6.6, 6.6.0.1, 6.6.0.2, 6.6.0.3, 6.6.1, 6.6.1.2, 6.6.3a, 6.6.5 | PureDisk supported platform (PDOS) by the OpsCenter integrated Agent. You do not need a separate Agent to collect data from PureDisk. You can use the inbuilt Agent of the OpsCenter Server for data collection. To create or configure the data collector, select the Agent that is installed as Integrated Agent. | No |

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

NetBackup OpsCenter Operating System Requirements

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NetBackup OpsCenter Physical Memory Requirement

| OS/Version | CPU Architecture | Minimum Memory Requirement |
|------------------------------------|------------------|----------------------------|
| NeoKylin Linux Advanced Server 6.0 | x86-64 | 8 GB |

Valid Characters in Host Names Requirement

NetBackup OpsCenter 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.

Software compatibility and release notes documentation is contained in:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

[NetBackup Release Notes](#)

[NetBackup Self Service Release Notes](#)

NetBackup Administration Consoles

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This feature is not supported on this platform.

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

NetBackup in the Cloud

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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 | <ol style="list-style-type: none">1. NetBackup is supported on any cloud infrastructure environment that meets NetBackup's minimum resource requirements. For details on operating systems supported by NetBackup, please refer to the "NetBackup 9.0 - 9.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 CloudPoint In-Cloud Data Protection

NetBackup CloudPoint In-Cloud Data Protection is available in NetBackup 8.3 and later.

NetBackup CloudPoint In-Cloud Data Protection - System Requirements

NetBackup CloudPoint In-Cloud Data Protection - Supported File Systems

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

NetBackup CloudPoint 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 CloudPoint In-Cloud Data Protection - Supported Azure Kubernetes Service Versions

NetBackup CloudPoint In-Cloud Data Protection is supported with NetBackup 9.1 and later with the following versions of Azure Kubernetes Service: 1.18.19, 1.19.11, 1.20.7, 1.21.1

NetBackup CloudPoint In-Cloud Data Protection - High Level Feature Support

NetBackup CloudPoint 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 CloudPoint In-Cloud Data Protection High Level Feature Support - Amazon Web Services | NetBackup CloudPoint In-Cloud Data Protection High Level Feature Support - Google Cloud Platform | NetBackup CloudPoint In-Cloud Data Protection High Level Feature Support - Microsoft Azure |
| NetBackup CloudPoint In-Cloud Data Protection High Level Feature Support - Microsoft Azure Stack Hub | | |

NetBackup CloudPoint In-Cloud Data Protection - Restore Options from Snapshots

NetBackup CloudPoint 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 CloudPoint In-Cloud Data Protection Restore Options - Amazon Web Services | NetBackup CloudPoint In-Cloud Data Protection Restore Options - Google Cloud Platform | NetBackup CloudPoint In-Cloud Data Protection Restore Options - Microsoft Azure |
| NetBackup CloudPoint In-Cloud Data Protection Restore Options - Microsoft Azure Stack Hub | | |

NetBackup CloudPoint In-Cloud Data Protection Replication Support Across Regions

NetBackup CloudPoint 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 CloudPoint In-Cloud Data Protection Replication Support - Amazon Web Services |
|---|

NetBackup CloudPoint In-Cloud Data Protection Replication Support Across Accounts

NetBackup CloudPoint 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 CloudPoint In-Cloud Data
Protection Replication Support - Amazon
Web Services

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

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

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

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

NetBackup CloudPoint In-Cloud Data Protection Supported Regions

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

NetBackup CloudPoint 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) |
| 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), 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) |
| 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 |
| Microsoft Azure Stack Hub ^[1] | Customer-deployed private regions |

Footnotes

1. Requires NetBackup 9.1 or later.

NetBackup CloudPoint In-Cloud Data Protection - Database Applications

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

Contents (for details click on the checkbox)

MongoDB

Microsoft SQL

Oracle

NetBackup Hardware Compatibility Documentation:

NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List (last updated on March 04, 2024)

NetBackup Hardware Compatibility Documentation: Introduction

NetBackup Snapshot Manager

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Starting with NetBackup 8.3, you can add CloudPoint servers from the NetBackup Administration Console. You can manage CloudPoint and control discovery of assets, REST API, and CLI without interacting with the CloudPoint interfaces.

If you are using a standalone CloudPoint server and want to use it along with NetBackup, you can migrate your CloudPoint server. For more information, see the [Veritas NetBackup CloudPoint Install and Upgrade Guide](#).

For information on hardware and cloud applications that are compatible with earlier versions of CloudPoint, see the CloudPoint compatibility lists at <http://www.netbackup.com/compatibility>

NetBackup Snapshot Manager / CloudPoint - Considerations

| Subject | Notes |
|---------|-------|
|---------|-------|

| | |
|-------------------------------|---|
| Vendor support considerations | <div>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.</div> <div>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.</div> <div>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.)</div> |
|-------------------------------|---|

NetBackup Snapshot Manager / CloudPoint - Vendor Compatibility

Contents (for details click on the checkbox)

| | | |
|--------------|----------------------------|-----------------|
| Dell EMC | Hewlett Packard Enterprise | Hitachi Vantara |
| Infinidat | NetApp | Nutanix |
| Pure Storage | Qumulo | |

NetBackup Hardware Compatibility Documentation:
[NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List](#) (last updated on March 04, 2024)
[NetBackup Hardware Compatibility Documentation: Introduction](#)

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 9.0 (or later) Start of Support | Notes |
|------------------------------------|---|---|
| Basic backups of files and folders | 9.0 | |
| Bare Metal Restore (BMR) | Not supported | Duplication of images is supported. Restores can be done from another NetBackup media server. |
| DB2 | 9.0 | |
| Enterprise Vault | 9.0 | |
| Hadoop | 9.0 | |
| Hbase | 9.0 | |
| Hyper-V | 9.0 | |
| Informix | 9.0 | |
| Lotus Notes | 9.0 | |
| MariaDB | 9.0 | |
| Microsoft Exchange Server | 9.0 | |
| Microsoft SharePoint | 9.0 | |
| Microsoft SQL Server | 9.0 | |
| MySQL | 9.0 | |
| NDMP | 9.0 | |

| | | |
|-----------|---------------|--|
| 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 | 9.0 | |
| Postgres | 9.0 | |
| RHV | 9.0 | |
| SAP | Not supported | Duplication of images is supported. Restores can be done from another NetBackup media server. |
| Sybase | 9.0 | |
| VMware | 9.0 | |

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NetBackup Future Platform and Feature Plans

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Veritas is committed to providing the best possible data protection experience for NetBackup customers on the widest variety of platforms, operating systems, databases, applications, and hardware. Veritas is continuously reviewing NetBackup's support of these items to ensure the proper balance of supporting their General Availability release, the very latest versions of new software, hardware and introducing new features and functionality and maintaining support for existing and older versions of these products and NetBackup functionality. While Veritas is continually adding support for new features, platforms, operating systems, and applications, it may be also necessary to improve, replace, or remove support in NetBackup for lesser used, older features, functionality, software, OS, databases, applications, integration with other products, and hardware that are no longer supported or nearing their end of support life from the manufacturer from NetBackup Compatibility Lists.

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

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

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

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

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

| Date Added/ Modified | Feature/ Functionality/ OS/Platform | NetBackup Area | OS/Platform | OS/Platform Version | CPU Architecture | Last Supported Release | Notes |
|-------------------------|---|-------------------|-------------|------------------------|---------------------|------------------------------|---|
| 2022-04-19 | All | OpsCenter | All | All | All | 10.0.0.1 | |
| 2021-06-03 | VMware Cloud Director 9.0, 9.1, 9.5 | All | All | All | All | 9.0.0.1 | VMware Cloud Director 9.0, 9.1, 9.5 to be not supported from NetBackup 9.1 onwards. |

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

End of Life (EOL) announcement and platforms no longer supported by NetBackup

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The following Operating System and Application Versions/Architectures in the 9.x.x versions of NetBackup will be End of Life.

| Platform and Application Versions | CPU Architecture | OS Bits | NetBackup | Last NetBackup Release Supported |
|---|------------------|---------|----------------------------------|----------------------------------|
| CentOS 8 | ALL | 64 | Primary, Media and Client | 9.1 |
| Solaris 10, 11 | ALL | 64 | Primary and Media | 9.1 |
| Red Hat Enterprise Linux 7.0, 7.1, 7.2, 7.3 | ALL | 64 | Client, Primary and Media Server | 9.1 |

NetBackup Software Compatibility Documentation:

[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List \(last updated on July 12, 2023\)](#)

[9.0 - 9.x.x OS Software Compatibility List Updates](#)

Documentation

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Product Documentation

- [NetBackup Documentation Landing Page \(Including links for all PDFs individually, and PDFs in a single .zip file\)](#)

- [NetBackup Bare Metal Restore Administrator's Guide](#)

- [NetBackup 9.0 Administrator's Guide Volume I](#)

- [NetBackup 9.0 Administrator's Guide Volume II](#)

- [NetBackup 9.0 API - Getting Started](#)

- [NetBackup Add-in for Microsoft SCVMM Console Guide](#)

Veritas Services and Operations Readiness Tools (SORT)

NetBackup AdvancedDisk Administrator's Guide
NetBackup Backup, Archive, and Restore Getting Started Guide
NetBackup Cloud Administrator's Guide
NetBackup CloudPoint Install and Upgrade Guide
NetBackup Clustered Master Server Administrator's Guide
NetBackup Commands
NetBackup DataStore SDK Programmer's Guide for XBSA 1.1.0
NetBackup Deduplication Guide
NetBackup Device Configuration Guide
NetBackup Emergency Engineering Binary Guide
NetBackup for DB2 Administrator's Guide
NetBackup for Enterprise Vault Agent Administrator's Guide
NetBackup for Hadoop Administrator's Guide
NetBackup for HBase Administrator's Guide
NetBackup for Hyper-V Administrator's Guide
NetBackup for Informix Administrator's Guide
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NetBackup for Sybase Administrator's Guide
NetBackup for VMware Administrator's Guide
NetBackup in Highly Available Environments Administrator's Guide
NetBackup Installation Guide

Veritas Services and Operations Readiness Tools (SORT)

- NetBackup Logging Reference Guide
- NetBackup Network Ports Reference Guide
- NetBackup OpenStorage Solutions Guide for Disk
- NetBackup OpsCenter 9.0 Administrator's Guide
- NetBackup OpsCenter Reporting Guide
- NetBackup OpsCenter Tuning Guide
- NetBackup Plug-in for VMware vSphere Client (HTML5) Guide
- NetBackup Plug-in for VMware vSphere Web Client Guide
- NetBackup Replication Director Solutions Guide
- NetBackup SAN Client and Fibre Transport Guide
- NetBackup Security and Encryption Guide
- NetBackup Self Service Configuration Guide
- NetBackup Self Service Installation Guide
- NetBackup Snapshot Client Administrator's Guide
- NetBackup Status Codes Reference Guide
- NetBackup Troubleshooting Guide
- NetBackup Upgrade Portal
- NetBackup Upgrade Quick Start Guide
- NetBackup Vault Administrator's Guide
- NetBackup Web UI Administrator's Guide
- NetBackup Web UI Microsoft SQL Server Administrator's Guide
- NetBackup Web UI Oracle Administrator's Guide
- NetBackup Web UI RHV Administrator's Guide
- NetBackup Web UI VMware Administrator's Guide
- NetBackup WebSocket Service (NBWSS) Reference Guide
- Veritas Service and License Agreements
- Veritas Smart Meter Getting Started Guide

Installation/Upgrade Documentation

- How to perform a consistency check of the NetBackup EMM and BMR databases
- NetBackup Replication Director Tools for NetApp Storage Systems
- NetBackup Upgrade Guide
- What's new in NetBackup releases
- NetBackup Release Notes

[Veritas Services and Operations Readiness Tools \(SORT\)](#)

[NetBackup Self Service Release Notes](#)
[Veritas Download Center](#)

Late Breaking News

[Updates, Patches and Late Breaking News for NetBackup 9.x](#)

Compatibility Lists

[NetBackup 9.0 - 9.x.x Database and Application Agent Compatibility List](#)
[NetBackup 9.0 - 9.x.x Hardware and Cloud Storage Compatibility List](#)
[NetBackup Compatibility List for all Versions](#)
[NetBackup 9.0 - 9.x.x Operating System Software Compatibility List](#)
[Support for NetBackup in virtual environments](#)

Performance and Tuning Guidelines

[How to estimate the number of master servers needed](#)
[NetBackup Backup Planning and Performance Tuning Guide](#)
[NetBackup OpsCenter Performance and Tuning Guide](#)

Product End of Life Information

[SORT End of Support Life matrix for NetBackup](#)
[Veritas End of Life Policy](#)

Other Related Documentation

[NetBackup Vault Operators Guide](#)
[Veritas Entitlement Management System Guide](#)