



Dell™ NetVault™ Backup Plug-in for SnapMirror® to Tape 10.0.5, Revision 1

Release Notes

September 2015

These release notes provide information about the Dell™ NetVault™ Backup Plug-in for SnapMirror® to Tape release.

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About Dell NetVault Backup Plug-in for SnapMirror to Tape 10.0.5

Dell NetVault Backup Plug-in for SnapMirror to Tape (Plug-in for SnapMirror to Tape) provides block-level backups and improved disaster recovery support for data stored on NetApp filers. Working in conjunction with NetApp SnapMirror technology, the plug-in allows you to back up selected volumes or snapshots to tape devices for off-site storage. An intuitive, easy-to-use GUI gives you a single, centralized console to configure backup and restore policies for all your NetApp filers.

Dell NetVault Backup Plug-in for SnapMirror to Tape 10.0.5 is a minor release.

- ⓘ **IMPORTANT:** Starting with 10.0, NetVault Backup provides a web-based user interface to configure, manage, and monitor your NetVault Backup system and installed plug-ins. The procedures described in the user's guide for this version of the plug-in are intended for the new NetVault WebUI. For procedures based on the NetVault Backup Console (user interface available with NetVault Backup 9.x), see the documentation for an earlier version of the plug-in.

New features

New features in Plug-in for SnapMirror to Tape 10.0.5:

- Added support for Data ONTAP 8.22 and Clustered Data ONTAP 8.3.
Currently BLI backups are not supported on Clustered Data ONTAP 8.3.

Resolved issues

The following is a list of issues addressed in this release.

Table 1. Resolved issues

Resolved issue	Issue ID
Corrected an issue that caused a BLI-based Incremental Backup to fail when the Create New Snapshot check option was selected and the Delete Previous Snapshot was not selected.	26015

Known issues

The following is a list of issues, including those attributed to third-party products, known to exist at the time of release.

Table 2. Known issues

Known issue	Issue ID
Restores that span tapes fail with the following error: "SMTAPE: Bad block in read stream. vbn = xxxxxxxxxxx, max_vbn = xxxxxxxxxxx"	13506
On NetApp ONTAP 8.1.7 Mode filers, the plug-in restores data correctly, but reports the job status as failed and generates a dump.	13515
When specifying a backup path, if you omit the starting slash, the job hangs.	29586
On Clustered Data ONTAP 8.3, backups are performed using TCP connections instead of local connections because the plug-in fails to get affinity information about volumes and tape devices on this OS.	29613
When performing a SnapMirror to Tape backup job, if you kill the NDMP sessions, the job hangs.	29721
Currently, BLI backups are not supported on Clustered Data ONTAP 8.3.	29723
On NetApp filers running ONTAP 7.0 and later, if you try to restore data from a Traditional Volume to a Flexible Volume, the job fails.	
To perform backups to a virtual tape library, you must set the Device Block Size to 256K. For instructions configuring this setting, see the chapter on Managing Storage Devices in the <i>Dell NetVault Backup Administrator's Guide</i> .	
The backup option Delete Snapshot on Exit (SMTAPE_DELETE_SNAPSHOT) is only supported on ONTAP versions 6.5 P5 and later, 6.5 H2 and later, and 6.5 R2 and later.	

Table 2. Known issues

Known issue	Issue ID
<p>If a filer reboots or there is a loss of network connectivity with the filer while the plug-in is running, the filer-attached drive goes offline with the message “Command Failed, Re-initializing Driver” when the plug-in tries to access the drive after the NAS Device is brought back online. After a few minutes, the drive recovers and becomes online, but you must perform a manual check before using the drive.</p> <p><i>To perform a manual check</i></p> <ol style="list-style-type: none"> 1 In the Navigation pane, click Manage Devices, and then in the list of devices, click the applicable drive or the corresponding Manage Device icon. 2 On the Tape Drive Management page, click Check. <p>If you had issued any load or unload requests before performing this procedure, try them again after the check.</p>	
<p>When a job starts child jobs, the user logged on to NetVault Backup when creating the parent job remains the owner of the parent job, but the child jobs are owned by the default user. This issue can affect NetVault Backup Reports, Job Status page, and other functionality that depend on job ownership.</p>	

System requirements

Before installing Plug-in for SnapMirror to Tape 10.0.5, ensure that your system meets the following minimum hardware and software requirements.

Table 3. System requirements

Requirement	Details
NetVault Backup	<p>The Plug-in for SnapMirror to Tape 10.0.5 requires NetVault Backup 10.0.5 or later.</p> <p>For complete supported platform information, see the <i>Dell NetVault Backup Compatibility Guide</i> available at https://support.software.dell.com/.</p>
NetVault Backup Plug-in for NDMP	NetVault Backup Plug-in for NDMP 10.0.5.
Data ONTAP versions	Data ONTAP 8.1.x 7-mode or later.

Upgrade and compatibility

- **Select the correct installation package on Linux:** Starting with 10.0, NetVault Backup offers separate client-only and server-only installation packages for Linux-based systems. Both the server and the client packages are available in hybrid and pure 64-bit versions:
 - **Hybrid server and client packages:** The hybrid packages (**LinuxX86HybridServer** and **LinuxX86Hybrid**) are intended for Linux users who do not have a pure 64-bit-only requirement. These packages let you upgrade from pure 32-bit as well as hybrid installations of NetVault Backup. The hybrid packages retain binary compatibility with all previous versions of 32-bit and 64-bit plug-ins. These packages also work on 32-bit systems that do not have 64-bit capability.
 - **Pure 64-bit server and client packages:** The pure 64-bit packages (**LinuxX86Pure64Server** and **LinuxX86Pure64**) packages are intended for pure 64-bit Linux distributions. If you have a specific reason that you cannot use any 32-bit components (for example, you are using a Linux distribution that does not run 32-bit code), use these packages.

The pure 64-bit packages cannot be used to upgrade existing pure 32-bit or hybrid NetVault Backup installations. You must remove the existing pure 32-bit or hybrid version and install the pure 64-bit version separately. To reduce confusion, warning messages have been added to both the upgrade and installation packages to ensure that you understand that they are not compatible.

Depending on your OS type, verify that you select the correct installation package to install the NetVault Backup Server or Client software:

- **LinuxX86HybridServer:** Use this package to install or upgrade NetVault Backup Server on 32- or 64-bit Linux systems.
- **LinuxX86Hybrid:** Use this package to install or upgrade NetVault Backup Client on 32- or 64-bit Linux systems.
- **LinuxX86Pure64Server:** Use this package to install or upgrade NetVault Backup Server on pure 64-bit Linux systems.
- **LinuxX86Pure64:** Use this package to install or upgrade NetVault Backup Client on pure 64-bit Linux systems.

Table 4. Pure64 builds

OS	Core Build	Plug-in				
		32-bit	64-bit	Hybrid	Itanium	Pure64
32-bit	32-bit	X		X		
	Hybrid	X		X		
64-bit	Itanium				X	
	64-bit		X	X		
	Hybrid	X	X	X		
	Pure64					X

 **NOTE:** X = Compatible

Product licensing

To obtain the license key for your NetVault Backup Server environment, you must first provide the NetVault Machine ID of your main NetVault Backup Server along with the machine IDs of clients running any licensed plug-in.

You can use the NetVault Configuration Wizard to install the product license keys. Alternatively, you can install the license keys from the [Manage Clients](#) page.

To obtain the machine ID for a NetVault Backup machine

- 1 Start the NetVault WebUI, and in the Navigation pane, click **Manage Clients**.
- 2 In the **NetVault Backup Clients** list, select the client, and click **Manage**.
- 3 On the **View Clients** page, note the machine ID exactly as it appears in the **Client Summary** table.

To install the license keys using the NetVault Configuration Wizard

- 1 In the Navigation pane, click **Guided Configuration**, and then on the **NetVault Configuration Wizard** page, click **Install Licenses**.
- 2 In the **NetVault Backup Clients** list, select the client on which you want to install the license key, and click **Next**.

- 3 In the **Enter the license key string** box, type or copy and paste the license key, and click **Apply**.
After the key is applied successfully, a message is displayed.

To install the license keys from the Manage Clients page

- 1 In the Navigation pane, click **Manage Clients**.
- 2 In the **NetVault Backup Clients** list, select the client on which you want to install the license key, and click **Manage**.
- 3 On the **View Clients** page, click **Install License**.
- 4 In the **Install License** dialog box, type or copy and paste the license key, and click **Apply**.
After the key is installed successfully, a message is displayed. Click the **Close** button to close the dialog box.

Getting started with Plug-in for SnapMirror to Tape 10.0.5

Upgrade and installation instructions

To upgrade or install the plug-in

- 1 In the Navigation pane, click **Guided Configuration**, and then on the **NetVault Configuration Wizard** page, click **Install Plugins**. In the **NetVault Backup Clients** list, select the clients on which you want to install the plug-in.

— or —

In the Navigation pane, click **Manage Clients**. In the **NetVault Backup Clients** list, select the client on which you want to install the plug-in, and click **Manage**. At the lower-right corner of the **Installed Software** table, click the **Install Plugin** button ().

-  **NOTE:** You can use the configuration wizard to install the plug-in on multiple clients at the same time (if the selected clients are all of the same type). When you select multiple clients, verify that the plug-in binary file is compatible with the OS and platforms of the target clients.
From the **Manage Clients** page, you can only select one client for installing the plug-in.

- 2 Click **Choose Plug-in File**, and in the browse window, navigate to the location of the “.npx” installation file for the plug-in (on the installation CD or the directory to which the file was downloaded from the web site).
- 3 Select the file named **smt-x-x-x-x.npx** (x-x-x-x represents the version, build, and platform numbers), and click **Next** to begin installation.
- 4 After the plug-in is installed successfully, a message is displayed.

-  **NOTE:** To apply new configuration values after an upgrade, open the NetVault WebUI, and browse the plug-in node. On Linux x86-64 platforms, restart the NetVault Backup Service

Additional resources

Additional information is available from the following:

- [Online product documentation](#)
- [NetVault community](#)

Globalization

This section contains information about installing and operating this product in non-English configurations, such as those needed by customers outside of North America. This section does not replace the materials about supported platforms and configurations found elsewhere in the product documentation.

This release supports any single-byte or multi-byte character set. It supports simultaneous operation with multilingual data. This release is targeted to support operations in the following regions: North America, Western Europe and Latin America, Central and Eastern Europe, Far-East Asia, and Japan.

The release is localized to the following languages: Chinese (Simplified), French, German, Japanese, and Korean.

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- View how-to videos
- Engage in community discussions
- Chat with a support engineer

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