



Dell™ NetVault™ Backup Plug-in for NDMP 10.0.5 Release Notes

April 2015

These release notes provide information about the Dell™ NetVault™ Backup Plug-in for NDMP release.

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About Dell NetVault Backup Plug-in for NDMP 10.0.5

Dell NetVault Backup Plug-in for NDMP (Plug-in for NDMP) is an advanced data protection solution for information stored in Network Attached Storage (NAS) devices running Network Data Management Protocol (NDMP). It provides efficient backup and recovery options regardless of the NDMP network configuration model in use. The plug-in also offers advanced features, including browsable volume selection and Direct Access Restore (DAR), which lets you quickly find what must be restored to provide rapid time-to-recovery.

Dell NetVault Backup Plug-in for NDMP 10.0.5 is a minor release, with enhanced features and functionality. See [New features](#).

- ① **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 NDMP 10.0.5:

- Added support for NDMP Cluster Aware Backup (CAB) Extension.

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 the backups of multiple volumes to fail when a password was assigned to the “default” user account.	27110
Corrected an issue that caused the Job Manager to crash when multiple volumes were selected for a backup. The error occurred due to incorrect handling of Job Record objects by the subjob process.	27568

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. General known issues

Known issue	Issue ID
The filenames containing characters from the extended character set are not displayed correctly in the restore selection tree.	13037
If the NetVault Backup Service is stopped when the status of a restartable NDMP backup job is “Waiting to Retry Backup”, the drives in use by that job become offline. <i>To bring a drive back online</i> <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.	13121

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.

To perform a manual check

- 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**.

If you had issued any load or unload requests before performing this procedure, try them again after the check.

Table 2. General known issues

Known issue	Issue ID
The history component of a dump, which tracks the various levels of dumps in the series, is transferred as the last item in a dump backup. This component the time taken to generate the backup index; it also increases the CPU and memory usage for a job	
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.	

Table 3. Filer-specific known issues

Known issue	Issue ID
EMC® Celerra®	
If an EMC Celerra reboots or there is a network connectivity loss with the device while a job is in progress, the plug-in does not automatically abort the job. You must manually abort the job.	
EMC Celerra	
After adding the first filer-attached device, a delay of up to 30 minutes may occur when you try to add the other devices attached to the EMC Celerra. The delay occurs when NetVault Backup attempts to scan the device for addition.	
EMC Celerra	773
Selective restores with Plug-in for FileSystem using EMC Celerra attached tape device is not supported.	
Hitachi® BlueArc	
Due to a fault in the Data Copy Plug-in, restores with Duplicate or Data Copy savesets fail for the Hitachi BlueArc. This failure is only encountered on Windows® platform. Moreover, only a particular configuration causes this problem. It only occurs when the original savesets are generated using drives local to the NetVault Backup Server, while the Duplicate or Data Copy savesets are generated using drives that are local to the filer.	
Hitachi BlueArc	
Hitachi Essential NAS does not support Direct Access Restore (DAR).	
Hitachi BlueArc	13274
Hitachi Essential NAS does not support Rename and Relocate options.	
Hitachi Essential NAS	
Hitachi Essential NAS only supports backups and restores to NetVault Backup Server or Client attached backup devices.	
Isilon® OneFS®	
Isilon OneFS 4.7.2.x does not support child-level data selection for restore. This limitation is imposed by a syntax handling error. Restore job on OneFS 4.7.4.x requires you to select data at the parent-level	
NetApp ONTAP	
Backups and restores involving tape spans on NetApp ONTAP GX filers may display the error message "Tape Reading Operation Terminated." This error is expected. Despite this error message, the backup or restore job preserves data integrity.	
NetApp ONTAP	
On NetApp ONTAP 7.1, you may encounter errors during Direct Access Restores. You need to upgrade to ONTAP 7.1.1 or a later version to resolve this issue.	
NetApp ONTAP	27982
Restore of selective files from filer-attached devices fail with the error "tape read error."	

Table 3. Filer-specific known issues

Known issue	Issue ID
NetApp ONTAP If a device hosted on a different node is specified for a backup or restore job, the plug-in performs an affinity match and uses a local device instead of using the specified shared device.	28510
NetApp ONTAP If a device failure occurs during an NDMP backup or restore operation, the job does not fail; it has to be manually aborted.	28798
Sun StorageTek 5320 On a Sun StorageTek 5320 filer running OS 4.20 M3 Build 1, the plug-in may erroneously mark a used media as bad after attempting to read the header. This error occurs when you try to blank media from the GUI or CLI. You need to upgrade to OS 4.21 or later to avoid this problem.	

System requirements

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

Table 4. System requirements

Requirement	Details
NetVault Backup versions	The Plug-in for NDMP 10.0.5 requires NetVault Backup 10.0.5 or later. For complete supported platform information, see the <i>NetVault Backup Compatibility Guide</i> available at https://support.software.dell.com/ .
Appliance and vendor software	For NAS and NDMP compatibility information, see the <i>NetVault Backup Compatibility Guide</i> available at https://support.software.dell.com/ .

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 5. Pure64 builds

OS	Core Build	Plug-in		Hybrid	Itanium	Pure64
		32-bit	64-bit			
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 NDMP 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 website).
- 3 Select the file named **ndm-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.

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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Product questions and sales:

(800) 306-9329

Email:

info@software.dell.com

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Technical support is available to customers who have purchased Dell software with a valid maintenance contract and to customers who have trial versions. To access the Support Portal, go to <https://support.software.dell.com/>.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year. In addition, the portal provides direct access to product support engineers through an online Service Request system.

The site enables you to:

- Create, update, and manage Service Requests (cases)
- View Knowledge Base articles
- Obtain product notifications
- Download software. For trial software, go to [Trial Downloads](#).
- View how-to videos
- Engage in community discussions
- Chat with a support engineer

Third-party contributions

This product contains the third-party components listed below. For third-party license information, go to <http://software.dell.com/legal/license-agreements.aspx>. Source code for components marked with an asterisk (*) is available at <http://opensource.dell.com>.

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