Dell™ NetVault™ Backup Plug-in for Standard Encryption 2.2

Release Notes

April 2014

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

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About Dell NetVault Backup Plug-in for Standard Encryption 2.2

Dell NetVault Backup Plug-in for Standard Encryption (Plug-in for Standard Encryption) provides support for CAST-128 algorithm to protect your data and meet the regulatory requirements.

ⓘ | **NOTE:** The CAST-128 encryption algorithm does not comply with the requirements of the United States Federal Information Processing Standard (FIPS). This algorithm is provided for the restoration of legacy data. For FIPS compliance, use the AES-256 algorithm. This algorithm is available with the Plug-in for Advanced Encryption.

Dell NetVault Backup Plug-in for Standard Encryption 2.2 is a minor release, with enhanced features and functionality. See New features.

ⓘ | **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 and 8.x), refer to the documentation for an earlier version of the plug-in.

New features

New features in Plug-in for Standard Encryption 2.2: Added support for the new NetVault WebUI.

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 1. Known issues

Known issue	Issue ID

The Plug-in for Standard Encryption is incompatible with the following NetVault Backup plug-ins:
• NetVault Backup Plug-in for Consolidation
• NetVault Backup Plug-in for NDMP
• NetVault Backup Plug-in for SnapMirror® to Tape
• NetVault Backup Plug-in for Informix®
• NetVault Backup Plug-in for Teradata
• NetVault Backup Plug-in for NetWare® – If you enable encryption for a backup, the saveset header indicates that the backup is encrypted, and when you try to restore the data, the plug-in requests for the encryption key. However, the saveset does not contain any encrypted data.
• NetVault Bare Metal Recovery Plug-ins
  - Plug-in Offline ignores the encryption settings as the client is taken offline for backup.
  - Plug-in Live Client cannot recover encrypted backups.	

System requirements

Before installing Plug-in for Standard Encryption 2.2, ensure that your system meets the following minimum hardware and software requirements.

Table 2. System requirements

Requirement	Details
NetVault Backup	NetVault Backup 8.6.3 or later. For more information, refer to the *Dell NetVault Backup Compatibility Guide* available at https://support.software.dell.com/.
Operating systems	For complete supported platform information, refer to the Dell NetVault Backup Compatibility Guide available at https://support.software.dell.com/.

Upgrade and compatibility

- **Upgrading from 1.0** – Starting with NetVault Backup 8.2.1, the Plug-in for Standard Encryption is no longer bundled with the NetVault Backup Server and Client installation packages. It is available as a separate plug-in that can be and installed on the server and clients on which you want to perform encrypted backups and restores. To restore encrypted backups created with NetVault Backup 8.2 or earlier versions, you must install the plug-in on the target client. The permanent license key installed for the plug-in that was bundled with NetVault Backup 8.2 or earlier versions will still be honored and will be equivalent to the NetVault Backup Plug-in for Standard Encryption.

- **Pure64 builds** – Starting with NetVault Backup 8.6, a new build type named "LinuxX86Pure64" has been added, while the pure 32-bit Linux® version has been retired. To understand the impact of this change, review the following:

    - **Hybrid 32/64-bit Build** – The hybrid 32/64-bit build has been retained. However, the platform type has been renamed from "LinuxX8664" to "LinuxX86Hybrid." This build functions as the standard build for Linux users who do not have a pure 64-bit-only requirement. This build lets you upgrade from pure 32-bit as well as from hybrid builds of NetVault Backup.

    - The LinuxX86Hybrid build retains binary compatibility with all previous versions of plug-ins, including those marked as 32-bit and those designated 64-bit. Additionally, this build will work on 32-bit systems that do not have 64-bit capability.

    - **Pure 64-bit Build** – A new type of build named "LinuxX86Pure64" has been introduced 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 this type. Note that you cannot use this new type to upgrade existing NetVault Backup installations. You must remove the existing 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.

Table 3. 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

Some plug-ins do not support Pure64-bit builds.

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 Standard Encryption 2.2

Upgrade and installation instructions

To upgrade or install the plug-in

1   In the Navigation pane, click **Guided Configuration**, and then in 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. This method allows you to select multiple clients.

    ⓘ | NOTE: When you select multiple clients, ensure that the plug-in binary file is compatible with the OS and platforms of the target clients.

    – 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 ( ).

2   Click **Choose Plug-in File**, and in the browse window, navigate to the location of the "**.npk**" 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 platform-specific binary file for the plug-in. The files names listed in the following table (where **x-x-x-x** represent the version, build, and platform numbers).

Table 4. Binary files for supported encryption algorithms

Encryption algorithm	Binary file name
CAST-128	cst-x-x-x-x.npk
CAST-256	cst2-x-x-x-x.npk
AES-256	aes-x-x-x-x.npk

click **Next** to begin installation

4   When the installation completes 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, Japan.

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

About Dell

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Technical support resources

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

Legend

⚠ **CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.**

⚠ **WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death.**

ⓘ **IMPORTANT NOTE**, **NOTE**, **TIP**, **MOBILE**, or **VIDEO:** An information icon indicates supporting information.