INTEGRATION BRIEF

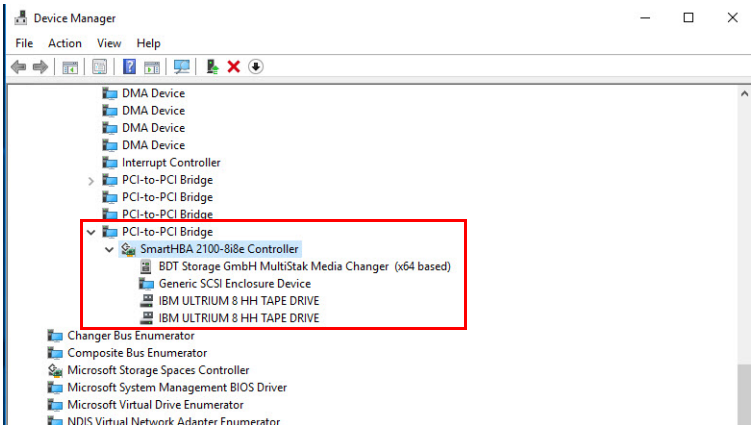
Integrating NEO® Tape Libraries with Veritas™ NetBackup 8.2

Veritas NetBackup 8.2 in a Windows-centric environment supports many Overland-Tandberg tape libraries including NEOs StorageLoader (1U), NEOs T24 (2U), NEOxl 40 (3U), and NEOxl 80 (6U).

This guide explains how to:

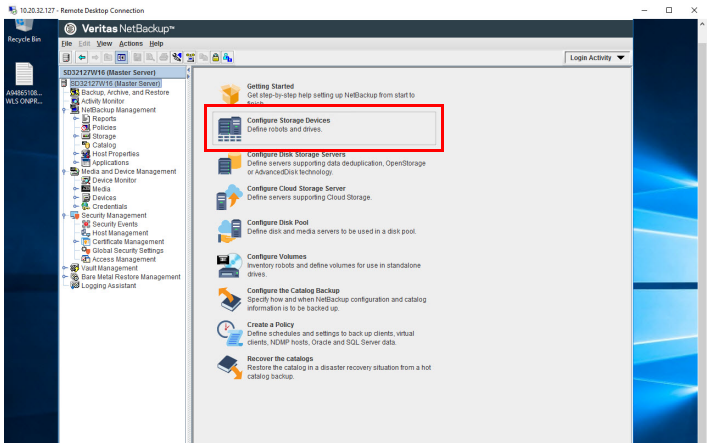
- Configure a NEOxl 80 to work with NetBackup 8.2. The process is the same for the other supported NEO tape libraries (NEO StorageLoader, NEOs T24, and NEOxl 40).
- Configure tape drive encryption.

Integrate NEOxl 80 with NetBackup 8.2



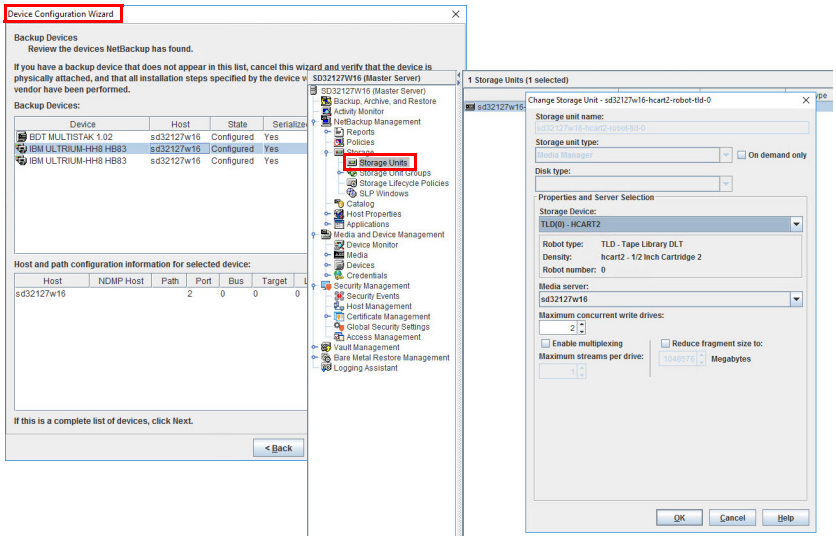
1. Open **Windows Device Manager** and verify all devices are displayed.

   In this example, a NEOxl 80 and two LTO-8 drives are shown. Tape device drivers are required in Windows for NetBackup to use the library.



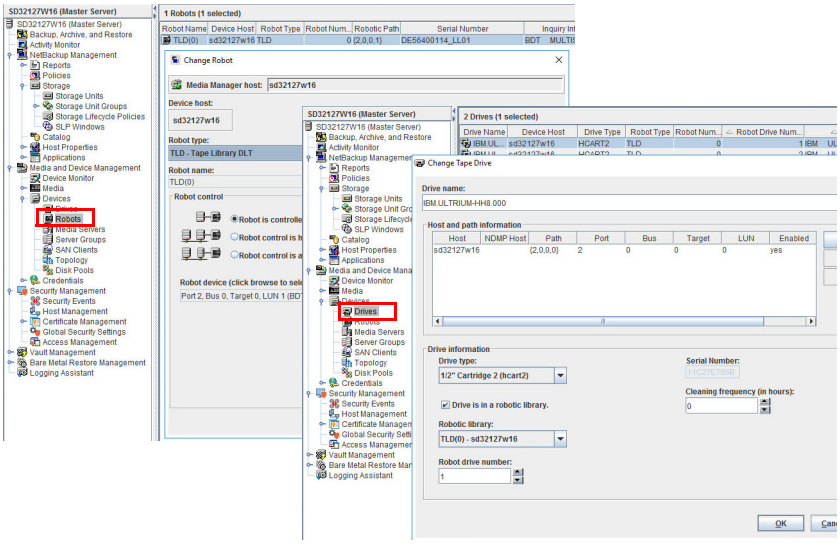
2. The NEO tape library needs to be **configured** with NetBackup:

   a. Run the **Configure Storage Devices** wizard to start this process.

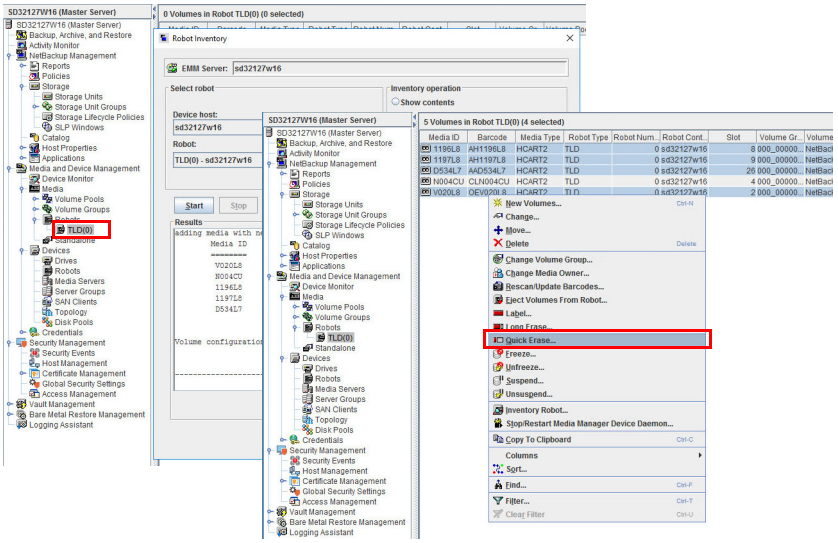


b. Review the **list of devices** found and, if accurate, click **Next**.

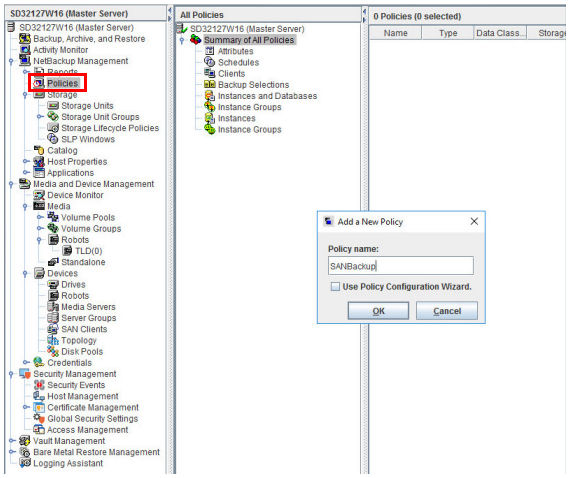
c. Verify the Storage Unit information and click **OK**.



d. Verify the **properties** provided by NetBackup for the library and tape drives, clicking **OK** to accept.



3. Inventory all **drives** and erase all the **media** discovered prior to running a backup job.

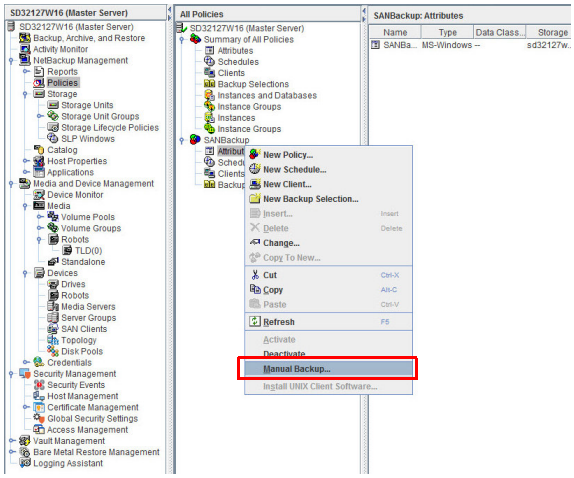


4. Create a NetBackup **backup policy** to tape.

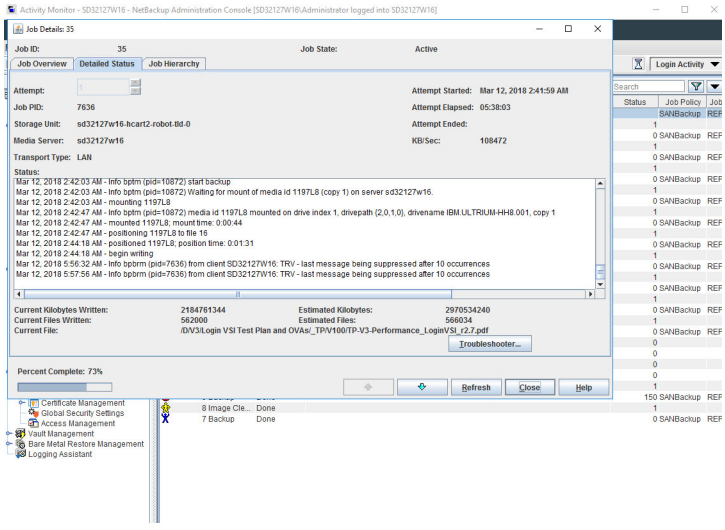
   a. Provide a **Policy Name**.

   b. Enable the **Use Policy Configuration Wizard** to create a backup policy.

   c. Click **OK** to start the wizard.



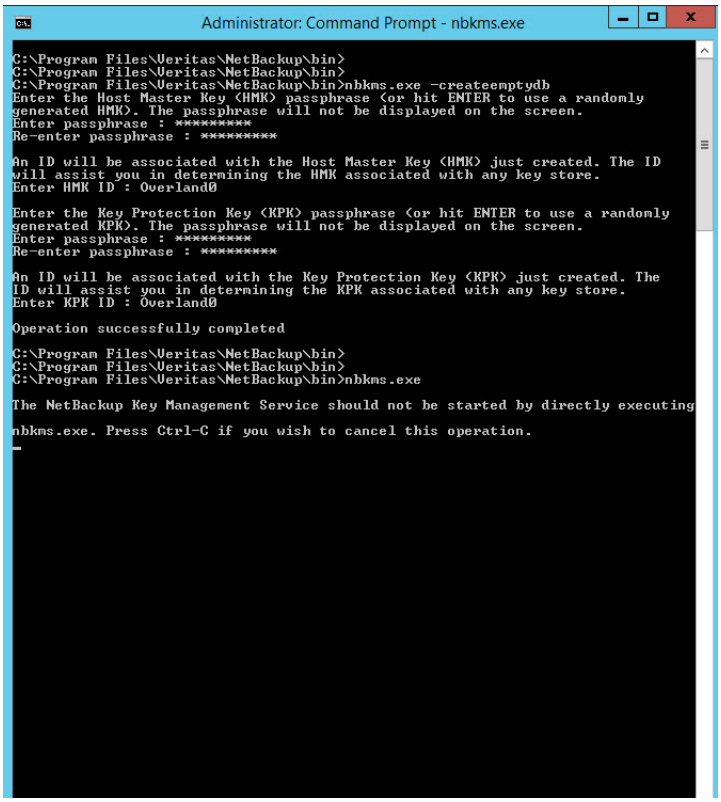
5. Start a **Manual backup** for the job.



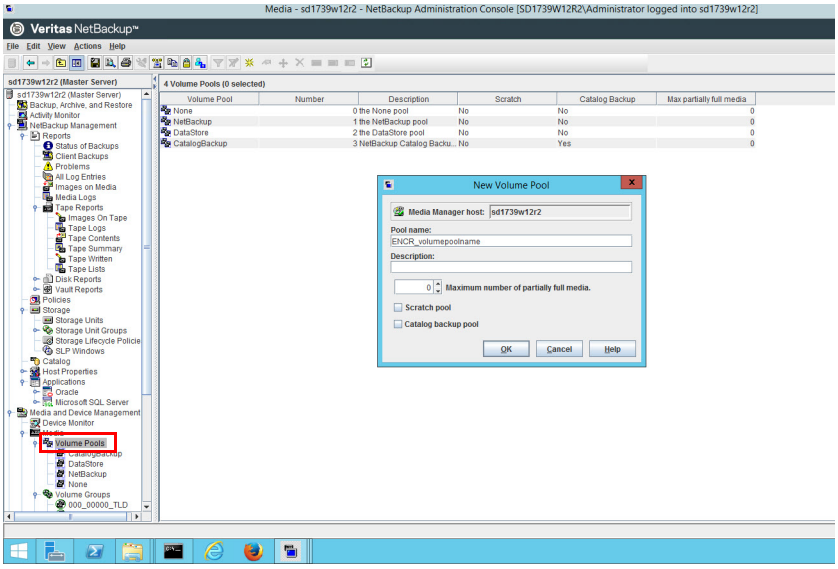
The backup job can be **monitored** from the NetBackup software.

NetBackup 8.2 Encryption

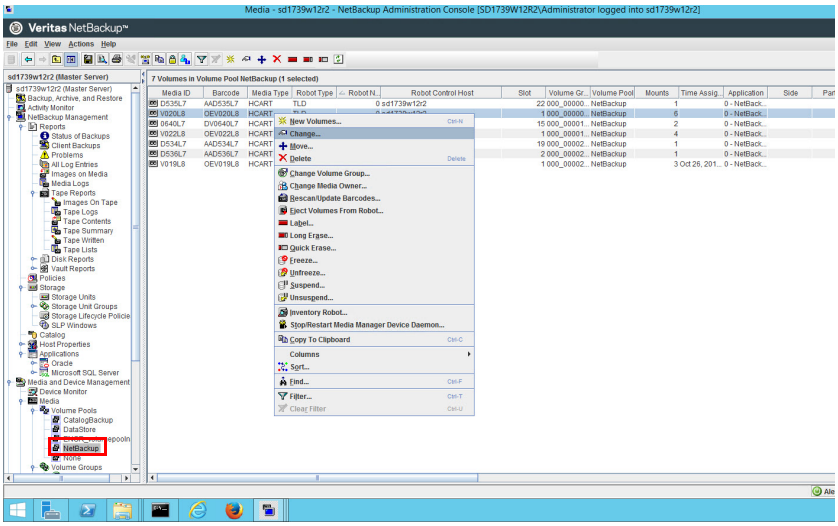
NetBackup 8.2 supports tape drive encryption. Use the following procedure to configure encryption using NetBackup Key Management Service (nbkms.exe).



1. Open a **Command Prompt**.
2. Navigate to **C:\Program Files\Veritas\NetBackup\bin**.
3. Create an empty KMS database: **nbkms.exe -createemptydb**.
4. Enter a unique **Host Master Key** (HMK) passphrase and confirm.
5. Enter a unique **Key Protection Key** (KPK) passphrase and confirm.
6. Enter the **KPK ID**.
7. Start KMS service by executing **nbkms.exe**.



8. Create a **new volume pool**:
   a. In NetBackup Administration Console, navigate to: **Media and Device Management > Media > Volume Pools**.
   b. Right-click Volume Pools and select **New Volume Pool**.
   c. Create a new pool with the prefix of "**ENCR_**" for the pool name.

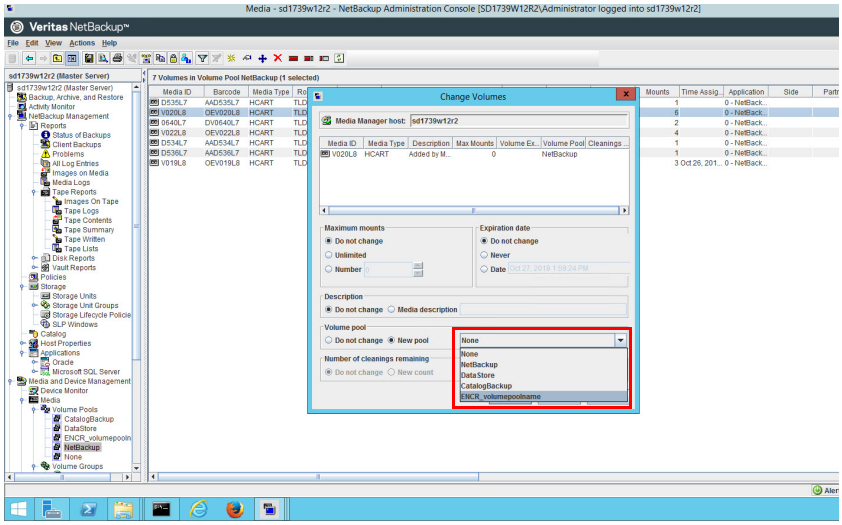


9. Assign a **media** to the new pool:

   a. Navigate to: **Media and Device Management > Media > Volume Pools > NetBackup**.

   All available media are assigned by default to the NetBackup pool.

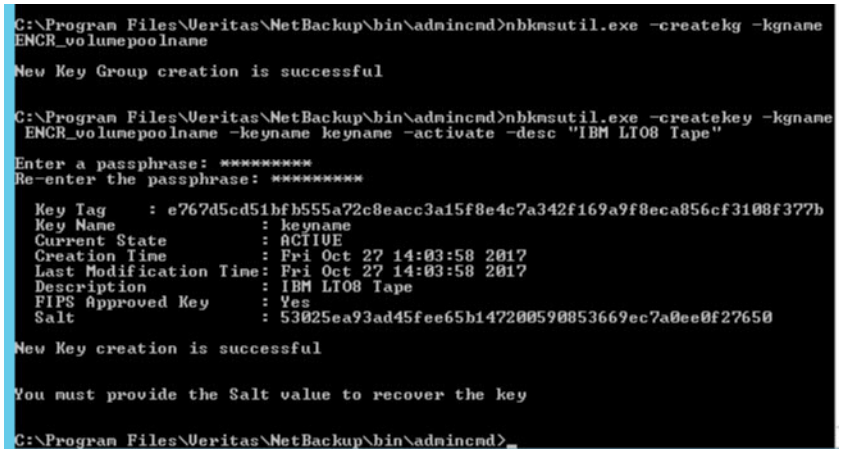
   b. Right-click one of the medias and select **Change**.



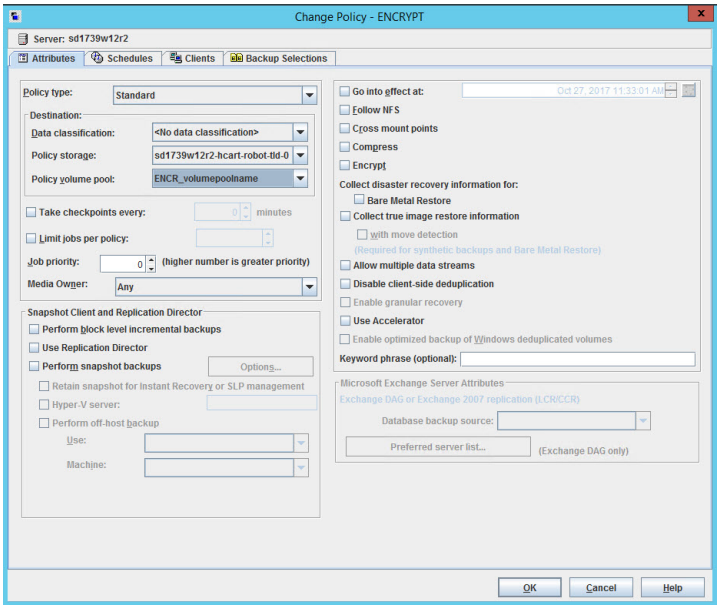
10. Change the volume pool from the default NetBackup pool to the new ENCR pool.

11. Open a command prompt and navigate to **C:\Program Files\Veritas\NetBackup\bin\admincmd**.

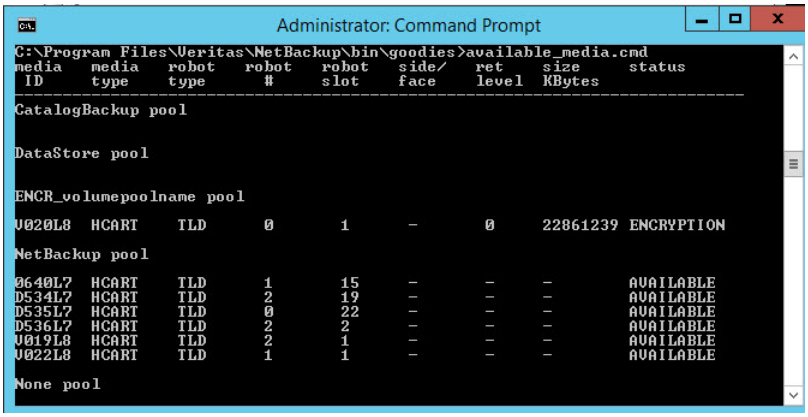
12. Execute: **nbkmsutil.exe -createkg -kgname ENCR_volumepoolname**.



13. Open a command prompt and navigate to **C:\Program Files\Veritas\NetBackup\bin\admincmd**.
14. Execute: **nbkmsutil.exe -createkg -kgname ENCR_volumepoolname**.
15. Execute: **nbkmsutil.exe -createkey -kgname ENCR_volumepoolname -keyname keyname -activate -desc "IBM LTO8 Tape"**.
16. Enter and confirm new **passphrase**.



17. Before starting an Encrypted backup, from the NetBackup Administration Console change the Backup Policy Volume Pool to the new **Encrypted Pool**.



When the backup completes the status of the media used for backup shows **ENCRYPTION**.

To verify this from a command prompt navigate to C:\Program Files\Veritas\NetBackup\bin\ goodies and execute: **available_media**.

©2020 Overland Storage, Inc. All trademarks and registered trademarks are the property of their respective owners. The information contained herein is subject to change without notice and is provided "as is" without warranty of any kind. Overland Storage, Inc. shall not be liable for technical or editorial errors or omissions contained herein.