



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), NEOxI 40 (3U), and NEOxI 80 (6U).

This guide explains how to:

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

Integrate NEOxI 80 with NetBackup 8.2













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- 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).

nistrator longed into sd1739w12r2

C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin>nbkms.exe -createemptydb Enter the Host Master Key (HMK) passphrase (or hit ENTER to use a randomly generated HMK). The passphrase vill not be displayed on the screen. Enter passphrase : ***********************************
 An ID will be associated with the Host Master Key (HHK> just created. The ID will assist you in determining the HHK associated with any key store. Enter HHK ID : Overland@ Enter the Key Protection Key (KPK) passphrase (or hit ENTER to use a randomly generated KPK). The passphrase will not be displayed on the screen. Re-enter passphrase : ***********************************
Enter the Key Protection Key (KPK) passphrase (or hit ENTER to use a randomly generated KPK). The passphrase will not be displayed on the screen. Enter passphrase : ********* Re-enter passphrase : ********* An ID will be associated with the Key Protection Key (KPK) just created. The ID will assist you in determining the KPK associated with any key store. Enter KPK ID : Overland0 Operation successfully completed C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin>hkms.exe
An ID will be associated with the Key Protection Key (KPK) just created. The ID will assist you in determining the KPK associated with any key store. Enter KPK ID : Overland0 Operation successfully completed C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin>
Operation successfully completed C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin>mbkms.exe
C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin> C:\Program Files\Ueritas\NetBackup\bin>nbkms.exe
The NetBackup Key Management Service should not be started by directly executing
nboxecomp hoy function of the concel this operation.

Media - sd1739w12r2 - NetBackup Administration Co

- 1. Open a Command Prompt.
- 2. Navigate to C:\Program Files\Veritas\NetBackup\bin.
- 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**.

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- 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.



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- 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.





C:\Program Files\Ueritas\NetBackup\bin\admincmd>nbkmsutil.exe -createkg -kgname ENCR_volumepoolname New Key Group creation is successful C:\Program Files\Ueritas\NetBackup\bin\admincmd>nbkmsutil.exe -createkey -kgnam ENCR_volumepoolname -keyname keyname -activate -desc "IBM LIO8 Tape" Enter a passphrase: ******** Re-enter the passphrase: ******** Key Tag : e?67b5cd51bfb555a72c8eacc3a15f8e4c?a342f169a9f8eca856cf3108f37?b Key Name : keyname Current State : ACTIVE Creation Time : Fri Oct 27 14:03:58 2017 Last Modification Time: Fri Oct 27 14:03:58 2017 Description : IBM LIO8 Tape FIPS Approved Key Yes Salt : 53025ea93ad45fee65b147200590853669ec?a0ee0f27650 New Key creation is successful You must provide the Salt value to recover the key C:\Program Files\Ueritas\NetBackup\bin\admincmd>_

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Server: sd1739w12r2	
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- 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**.





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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.

Sales and support for Overland-Tandberg products and solutions are available in over 90 countries. Contact us today at sales@overlandstorage.com or sales@tandbergdata.com

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