



Dell™ PowerVault™ ML6000 Library Managed Encryption Enablement Instructions

CAUTION: To prevent possible data loss due to an EKM server failure, Dell recommends the use of a primary and secondary EKM server. This configuration provides redundancy in the event that the primary EKM server is down or unavailable. For information on configuring a primary and secondary EKM server for your library, refer to "Multiple Key Managers for Redundancy" (chapter 2) of the *Dell Encryption Key Manager User's Guide* and to the document *Dell Encryption Key Manager and Library Managed Encryption Best Practices and FAQ*. Both documents are located on the Library Managed Encryption CD.

NOTE: The library must be offline from any user and all media must be removed from the drives before license keys are installed or any configuration modifications are made. Please refer to the *Dell PowerVault ML6000 Tape Library User's Guide* library offline and to eject media from the drives. The user's guide can be found at <http://support.dell.com>.

NOTE: If the backup job fails due to an EKM server failure, the job will recover if connectivity is restored to the EKM server prior to expiration of the timeout set in the tape backup software application.

Enabling encryption on your library is a six-step process:

- 1 Upgrade the library and drive firmware to the latest version. The firmware is available at <http://support.dell.com>.
- 2 Obtain and install your license key to enable library-managed encryption (LME) on the library (if not already licensed). For instructions, refer to your license key certificate or the *Dell PowerVault ML6000 Tape Library User's Guide*.
If you purchased library-managed encryption at the time you purchased your library, the license key will be installed at the factory. If there are any issues with the license key for library-managed encryption purchased with the library, visit <http://www.dell.com/tapeautomation> to obtain your license key. You will need the library serial number and service tag number to obtain the license key. Refer to your license key certificate or the "Viewing Information About the PowerVault ML6000" section of the *Dell PowerVault ML6000 Tape Library User's Guide* for instructions on locating this information. If this does not resolve your issue, please contact Dell technical support.
- 3 Configure library managed encryption on your library. For instructions, refer to *READ THIS FIRST - How to Set Up Dell Encryption Key Manager On Your PowerVault ML6000* located on the *Library Managed Encryption CD*, or refer to the "Configuring the Dell Encryption Key Manager (EKM) on the Library" section of the *Dell PowerVault ML6000 Tape Library User's Guide*.
- 4 Install the Dell Encryption Key Manager (EKM) application on the server designated for EKM. For instructions, refer to Chapter 3.0 of the *Dell Encryption Key Manager User's Guide*, located on the *Library Managed Encryption CD* or at <http://support.dell.com>.
- 5 Configure the EKM application. For instructions, refer to Chapter 4.0 of the *Dell Encryption Key Manager User's Guide*, located on the *Library Managed Encryption CD*.
- 6 Start the EKM application. For instructions, refer to Chapter 5.0 of the *Dell Encryption Key Manager User's Guide*, located on the *Library Managed Encryption CD*.