

NEO S-Series LTO-9 New Media Initialization

January 2022

Overview

This brief describes the initialization of new LTO-9 media being used in a NEO S-Series library.

Description

The increased number of tracks used to write data on an LTO-9 tape requires greater precision. Media optimization creates a referenced calibration for each cartridge that enables the tape drive's intelligent alignment to optimize data placement. LTO-9 media optimization enhances LTO tape long-term media durability.

- Media optimization is performed on first load of LTO-9 media during initialization.
- Media optimization is a one-time operation that can be completed on any drive in the environment, enabling the media to be used across all tape drives without further optimization.
- Media optimization averages 40 minutes per first load of a cartridge to a tape drive. Although most media optimizations will complete within 60 minutes, some media optimizations may take up to 2 hours.
- Interruption of the process is not recommended.

Initialization Process

- 1. Start the NEO S-Series Media Optimization Wizard:
 - a. From the RMI, click Operations.
 - b. Click Media Init.

The wizard launches.

neo series [®]			Neoseries User: Administrator					
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2. Using the drop-down menu, choose either bulk initialization (All LTO-9 Cartridges) or one specific LTO9 cartridge.

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Identity	St	atus	Configuration	Operations	Service		
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3. Click Start Wizard.

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4. At the confirmation message, click **OK**.

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		Logout

The media initialization starts.

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Library System Status changes to **Diagnosis** and the first cartridge is loaded.

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Library System Status changes to Calibrating.

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At the completion of media optimization, the cartridge is unloaded from the drive.

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5. When all selected cartridges have completed initialization, a Passed message is displayed.

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Identity	Status	Configuration	Operations	Service		
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The Library and Drives are back online to host.

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