

# Moving Volumes

Moving Volumes between [Repositories](#) is one of the single most important tasks in TapeMaster. For this reason, there are several options for Moving Volumes.

When a [Volume](#) is moving, it is given a Move [Flag](#) and said to be in a **Move Status**. [Volumes](#) move from a Current [Repository](#) to a Target [Repository](#). Volumes can be confirmed at a Target [Repository](#) in TapeMaster by right-clicking in the Volume List, selecting Special Operations, and then confirm or by using a barcode scanner in [TapeTrack Lite](#) or [TapeTrack Checkpoint](#).

## Move Dates

Move Dates indicate when a Volume should move next. Batch processes such as [TMSS10ExpireByDate](#) and [TMSS10MovePending](#) use these Move Dates to initiate moves for [Volumes](#). If a Volume does not move before its Move Date, the Volume will be [flagged](#) as Overdue.

## Manual moves in the Inventory Administrative Tab

To manually move Volumes between [Repositories](#) in the Inventory Administration Tab, select a Volume or group of Volumes in the [Volume List](#) and click and drag them to a [Repository](#) in the Repository List.

## Automatically Move Volumes Regularly

[Simple Management Rules](#) can be used in conjunction with other utilities to automate Volume Movements. Here is a step-by-step process of how that is done.

1. Set up [Simple Management Rules](#) so that [Volumes](#) are given a move date when moved between [Repositories](#). Automation will only function correctly if Volumes move cyclically between Repositories. For example, from Repository A to Repository B to Repository C and back to Repository A, etc.
2. Each Repository must have a **Next Repository** set in the Options Tab of the [Repository Properties Window](#).



If Volumes move to different [Repositories](#) at a point in the automation cycle, use the "Home Repository" and specify a Home Repository for each [Volume](#). This can be done in the Options Tab of the [Volume Properties Window](#) or, for multiple Volumes, by right-clicking in the [Volume List](#) and selecting Special Operations, Modify, then Home Repository.

3. Ask your TapeTrack Server Administrator to run the daily script, located in the scripts folder of the TapeTrack Framework Server Install Directory, on a daily basis using Windows Scheduler.

The Daily script includes two applications:

- **TMSS10ExpireByDate:** Locates [Volumes](#) with a Move Date of today or greater and adds a **Move Pending Flag**.
- **TMSS10MovePending:** Puts [Volumes](#) with a **Move Pending Flag** into a move status to the [Volume's](#) current [Repository's](#) Next Repository, as set in the Options Tab of the [Repository Properties Window](#). If the [Volume's](#) current Repository has no Next Repository, the **Move Pending Flag** will be added, but no move will be initiated.

4. In order for automation to continue, each [Volume](#) must be confirmed or scanned at each of its Target [Repositories](#).

## Movement Errors

There are several types of movement errors. Here are the two most common:

- **Warning Flag:** A [Volume](#) will receive a Warning [Flag](#) (which appears as a orange highlight in the [Volume List](#) and on the Customer Tree) when it is confirmed at its Current [Repository](#) before first reaching its Target Repository. In TapeMaster this will evoke the **Failed Operations** window, displaying the volume ID's in error and listed as **Update OK but marked for followup**. In command line interface, the volumes will be marked in the same way but listed in the stderr output.
- **Audit Flag:** A [Volume](#) will receive an audit [Flag](#) when inventory documents between TapeTrack and other software (such as the software for an offsite vendor) do not match-up. For more information, see [Certification](#).

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