

# Moving Volumes Automatically By Move Date

TapeTrack, using Server Utilities, can automatically move [Volumes](#) to their Next Repository when the Move Date comes within the scope set.

Move dates can be set via TMSS10Sync, Simple Management Rules or manually via TapeMaster.

Moving a Volume automatically in TapeTrack is intentionally a multistep process. This allows you to control both the timing of the individual steps as well as what [Volumes](#) are moved in each step, for example you may want to move [Volumes](#) that are going offsite once or twice a week, but move [Volumes](#) from your racking to the library daily. Or you may want to expire all [Volumes](#) offsite daily but only place them into a move once a week.

## Prerequisites

### Server Utilities

TapeTrack Server Utilities must be installed on the computer that will run the scheduled commands, the Server Utilities are installed alongside the Framework Server, but can be installed on any computer that has access to the Framework Server installation.

To check if the Server Utilities are installed on your computer you can either:

- Open a command prompt and run the command `TMSS10ExpireByDate`, if no parameters are used it will simply run the program and report the missing parameters, no database updates will be made, if this is displayed, the Server Utilities are installed. If you get 'TMSS10ExpireByDate' is not recognized as an internal or external command, operable program or batch file, the Server Utilities are not installed or registered. You can download the executable from [here](#).
- Check the installation directory, the default locations is `C:\Program Files\TapeTrack\TapeTrack Server Utilities`
- From a command prompt, run the command `set` and check the Path variable for the value `"C:\Program Files\TapeTrack\TapeTrack Server Utilities\bin\tapetrack"`; If your installation is in another location, look for the end of the variable location to match `"TapeTrack\TapeTrack Server Utilities\bin\tapetrack"`.

### Next Repository Setting

All [Repositories](#) that are included in the scope of the [Volumes](#) that will be targeted for automated movement must have a Next Repository value set in their Properties tab in TapeMaster. This is the [Repository](#) that the [Volumes](#) will be placed in a move to.

To check or set the Next Repository in the [Repository](#) options, right-click the required [Repository](#) and select properties or double click the [Repository](#) and select the options tab.

See [Next Repository Options](#) for more information.

Edit Repository: Library

Identity

Zones

Slot Usage


Options

Usage History

Movement History

Certification

Require Tag	False
Require Tag Reset	False
No re-move	False
Disallow backward next move date changes	False
Reset Data Cluster	False
Confirm Container Contents	False
Move Container Contents	True
Late Threshold	600
Highwater Offset	0
Movement Mode	None
Next Repository	<No Selection>
Enable Slotting	False

 If Next Repository is set to <No Selection> the Volumes will have a p flag assigned during the following process but will not be placed into a move.

## Identifying Volumes To Move

Executing `TMSS10ExpireByDate` will identify all Volumes within the scope set that qualify to be moved. Any qualifying Volumes will have a p flag added.

Inventory						
Volumes						
ID	Current Location	Target Location	Next Move	Flags	Move Time	
Enter text h...	Enter text h...	Enter text h...	Enter text here	Enter ...	Enter t...	
00000012L5	Offsite Vault		Tuesday, September 22, 2020 (Today)	CdDnOp		
00000013L5	Offsite Vault		Monday, September 21, 2020 (Yesterday)	CdDnOp		
00000014L5	Offsite Vault		Tuesday, September 22, 2020 (Today)	CdDnOp		
00000015L5	Offsite Vault		Friday, October 02, 2020 (10 days)	CDnO		
00000016L5	Offsite Vault		Friday, October 16, 2020 (24 days)	CDnO		
00000017L5	Offsite Vault		Permanent	CnO		

## Example Execution

Identify all Volumes for Customer US01 with a Next Move Date range of 100 days ago until today.

Using the date range -100 to today means as log as you execute the program more than once every 100 days, all Volumes with a Next Move Date up to the day it is run will have a p Flag added.

```
TMSS10ExpireByDate -S username:-password@localhost -V "US01.*.*" -R  
"*-100:*
```

See [TMSS10ExpireByDate](#) for more detailed information.

## Moving Volumes

Executing TMSS10MovePending will identify all [Volumes](#), within the scope set, and place them in a move to that [Repository's](#) Next Repository.



[Volumes](#) in a [Repository](#) with No Next Repository value set will not be placed in a move.

See [Next Repository Options](#) for more information.

## Creating Move Lists

Using TMSS10MoveList you can create an output file (text, Excel, CSV or PDF) of all [Volumes](#) that are currently in a Move status.

These reports can be filtered to only include the relevant information you require. They can be filtered by:

- Customer-ID
- Media-ID
- Volume-ID
- Current Repository-ID
- Target Repository-ID
- Volume Flags

If required you can also remove columns from the report that are not required, creating a cleaner report with only relevant information required, eg a picking list for Tape staff only may only require the Volume-ID and location.

[technote](#), [move](#)

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