

# Slotting

A Slot is a location in a [Zone](#) large enough for one [Volume](#). Slotting is a process of allocating a [master:volumes|Volume]] to a particular slot to allow documentation of the exact storage location of that [master:volumes|Volume]].

## Adding Slots to a Repository

To add Slots to a [Repository](#), create a [Zone](#) using the Zone Administration tool in the Administration Menu. Then, follow the steps to [Add a Zone](#) to a Repository.

## Manually Add a Volume to a Slot

To manually add a [Volume](#) to a Slot, double-click a [Volume](#) in the [Volume List](#) or right-click a [Volume](#) in the Volume List and select **Properties**. This will launch the [Volume Properties Window](#).

Select the **Target Location** tab and enter a Slot number in either the Slot field in the Relative Location window or the Level field and Slot field in the Absolute Location window.

The screenshot shows the 'Edit Volume: 000022L5' window with the 'Target Location' tab selected. The 'Relative Location' section contains a 'Repository-ID' dropdown set to 'OFFS' and 'Offsite Vault', and a 'Slot' spinner set to 5 with a 'Maximum=60' label. The 'Absolute Location' section contains a 'Zone-ID' dropdown set to 'Drawer 1 divider 1', a 'Level' spinner set to 1, and a 'Slot' spinner set to 5. An 'Update Statistics' button is located at the bottom of the window.

Click Save and the [Volume](#) will be put into a Move to that slot, even if that [Volume](#) is moving to a Slot within its Current [Repository](#).

Press F5 in the inventory window to update the display to show new target slotting.

## Automatic Slotting

Automatic Slotting in TapeTrack is done with a Command Line program called [TMSS10SlotAllocation](#)

that is included in installs of [TapeTrack Framework Server](#) and [TapeTrack Server Utilities](#) in conjunction with [Windows Task Scheduler](#).

[TMSS10SlotAllocation](#) must be run on the [TapeTrack Framework Server](#), but it can be launched remotely if necessary.

## Sample Slotting Script

```
TMSS10SlotAllocation -S user:-password@tapetrack.domain.com >  
"%TMSS10REPORTS%\slotting_report.txt" 2>  
"%TMSS10REPORTS%\slotting_error.txt"
```

## Preparing TapeMaster for Automatic Slotting

Before running [TMSS10SlotAllocation](#) , Repositories must be set so that Slotting is Enabled. This can be done under the [Options Tab](#) of the [Repository Properties Window](#).



Once **Slotting** is enabled, the slotting Assignment Options can be set.

- **Slotting Mode**

- **IntelliSlot:** The Slotting batch process will Slot **Volumes** in groups by Consignment or Slotting Order until the available group slots are filled. At this point, empty Slots will be filled on a First Available Status.
- **First Available:** **Volumes** will be put in the first available Slot in their Repository and will not be grouped.
- **Bypass:** When **Volumes** are automatically confirmed (see above), they will not be assigned Slots.

- **Ignore Home Slot:** If a Volume has been assigned a Home Slot in the Options Tab of the [Volume Properties Window](#), this Repository will ignore it and Slot using the Slot assignment Options.
- **Do not reslot:** If set to true a **Volume** will not be reslotted in it's previous slot when it is moved back.
- **Retain moving slot:** If set to true the slot allocation is not made available for other **Volumes**

until the [master:volumes|Volumes]] moving out is confirmed at target location. False allows the slot to be allocated to another **Volume** as soon as the occupying **Volume** is placed in a move status.

- **Slotting Order:** There are three orders with which **Volumes** may be assigned Slots:
  - **Movement Time:** **Volumes** will be assigned Slots based on when they arrived at the selected Repository.
  - **From Location:** **Volumes** will be assigned Slots based on which Repository they were sent from.
  - **Volume-ID:** **Volumes** will be assigned Slots in the alphanumeric order based on their **Volume-ID's**.

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