

Adjusting Slot Allocation

From time to time you may need to adjust a [Customers Slot](#) allocation based on increased or decreased [Volume](#) numbers.

Increasing Slot Allocation

Slotting allocation can be increased by either adding extra [zones](#) to the [Repository](#), or by increasing the [Slot](#) allocation within the currently assigned [Zones](#).

See [Maintaining A Zone](#) to add or increase Zone allocation.

Decreasing Slot Allocation

Removing Empty Slots

Decreasing [Slot](#) allocation for a [Customer](#) can be as simple as reducing the [Slots](#) allocated through the **Slot Edit Range Information** window, as long as the [Slots](#) being removed are sequential, unoccupied and from the end of the last Zone allocated.

Removing Slot allocation using this method must be from the last allocated Zone (if multiple Zones are assigned) from the high end of the Zone. The reason for this is if there are three Zones allocated, each with 100 Slots, TapeTrack interprets these as one continual Slot arrangement, 1 to 100 in Zone 1, 101 to 200 in Zone 2 and 201 to 300 in Zone 3. Reducing the Slot allocation from 300 to 250 by removing the last 50 Slots from Zone 3 keeps all lower Slotted tapes in the same number Slot. So a tape in Slot 248 would still in the same place (Zone 3, 48th slot). If you were to remove the 50 Slots in Zone 2, Zone 1 would still be Slots 1 to 100, Zone 2 would now be Slots 101 to 150 and Zone 3 would be 151 to 250, essentially putting Slot 248 now in the 98th Slot in Zone 3. This would put all Volumes in Zone 3 out 50 Slots in allocation vs physical location.

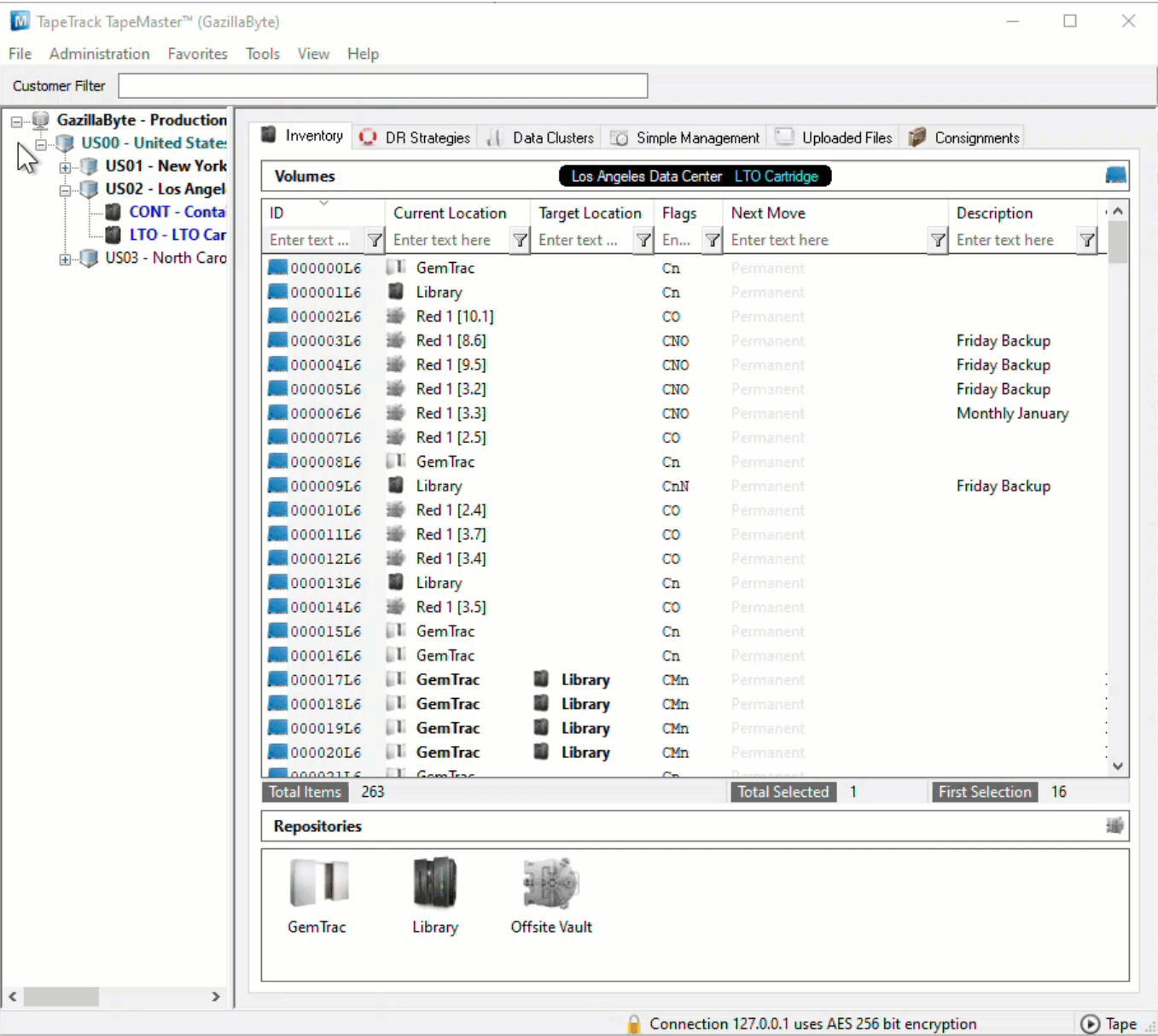
Removing Occupied Slots

If the [Slots](#) to be removed from allocation are currently occupied, completely or partially, the [Volumes](#) will need to be reslotted before this can be accomplished.



You must have enough empty [Slots](#) under the highwater mark to accommodate any [Volumes](#) currently slotted above the mark.

To remove these [Volumes](#) from the occupied [Slots](#), right click the required [Repository](#) and select Properties, or double click the [Repository](#) , and click on the Options tab.



Select the Options tab from the Repository Properties.

Set Highwater Offset to the number you wish to lower Slot allocation by. For example if you currently have 100 Slots allocated and wish to reduce the allocation to 60 Slots set the highwater offset to 40 (100 - 60).

Edit Repository: Offsite Vault

Identity Zones Slot Usage Options Usage History Movement History Certification

Attributes

Customer-ID US02 Los Angeles Data Center

Media-ID LTO LTO Cartridge

Repository-ID OFFS

Description Offsite Vault

+ Update Statistics

Save Cancel Help

Run the slotting program [TMSS10SlotAllocation](#) to re-slot any [Volumes](#) above the highwater mark. If you have Slotting scheduled you can let the program execute on the schedule, or manually run it if required.

Click in the Inventory window of TapeMaster and Press F5 to refresh the display, any Volumes Slotted above the Highwater Offset will now be in a move to a lower Slot.

The screenshot shows the TapeTrack TapeMaster (GazillaByte) application window. The left sidebar displays a tree view of the production environment, including 'GazillaByte - Production', 'US00 - United States', 'US01 - New York', 'US02 - Los Angel', 'CONT - Conta', 'LTO - LTO Car', and 'US03 - North Caro'. The main window has a menu bar (File, Administration, Favorites, Tools, View, Help) and a toolbar with buttons for Inventory, DR Strategies, Data Clusters, Simple Management, Uploaded Files, and Consignments. Below the toolbar is a 'Volumes' table with columns: ID, Current Location, Target Location, Flags, Next Move, and Description. The table is filtered by 'Los Angeles Data Center' and 'LTO Cartridge'. The table contains 263 items, with 1 selected and 33 in the first selection. Below the table is a 'Repositories' section showing three icons: GemTrac, Library, and Offsite Vault. The status bar at the bottom indicates 'Connection 127.0.0.1 uses AES 256 bit encryption' and a 'Tape' button.

ID	Current Location	Target Location	Flags	Next Move	Description
000000L6	GemTrac		Cn	Permanent	
000001L6	Library		Cn	Permanent	
000002L6	Red 1 [10.1]		CO	Permanent	
000003L6	Red 1 [8.6]		CNO	Permanent	Friday Backup
000004L6	Red 1 [9.5]		CNO	Permanent	Friday Backup
000005L6	Red 1 [3.2]		CNO	Permanent	Friday Backup
000006L6	Red 1 [3.3]		CNO	Permanent	Monthly January
000007L6	Red 1 [2.5]		CO	Permanent	
000008L6	GemTrac		Cn	Permanent	
000009L6	Library		CnN	Permanent	Friday Backup
000010L6	Red 1 [2.4]		CO	Permanent	
000011L6	Red 1 [3.7]		CO	Permanent	
000012L6	Red 1 [3.4]		CO	Permanent	
000013L6	Library		Cn	Permanent	
000014L6	Red 1 [3.5]		CO	Permanent	
000015L6	GemTrac		Cn	Permanent	
000016L6	GemTrac		Cn	Permanent	
000017L6	GemTrac	Library	CMn	Permanent	
000018L6	GemTrac	Library	CMn	Permanent	
000019L6	GemTrac	Library	CMn	Permanent	
000020L6	GemTrac	Library	CMn	Permanent	

Total Items: 263 Total Selected: 1 First Selection: 33

Repositories: GemTrac, Library, Offsite Vault

Connection 127.0.0.1 uses AES 256 bit encryption

Right click the required [Repository](#) and select Properties, or double click the [Repository](#) , and select the Options tab.

Adjust the **Highwater Offset** back to zero to enable use of all allocated [Slots](#) and click Save to update the information. This is important to do before adjusting the Slot allocation on the Zone. If you have TMSS10SlotAllocation scheduled at close intervals, otherwise the next time Slotting runs it will adjust the Volumes below the Highwater offset again. In this example it would try to lower Volumes to Slots 1 to 20 (eg 60 Slots - the 40 Highwater Offset)

The screenshot shows the 'Edit Repository: Offsite Vault' window. At the top, there is a title bar with the window name and a close button. Below the title bar is a tabbed interface with the following tabs: Identity (selected), Zones, Slot Usage, Options, Usage History, Movement History, and Certification. The 'Identity' tab is active, displaying a form with the following fields:

Attributes	
Customer-ID	US02 Los Angeles Data Center
Media-ID	LTO LTO Cartridge
Repository-ID	OFFS
Description	Offsite Vault

Below the form is a button labeled '+ Update Statistics'. At the bottom of the window are three buttons: Save, Cancel, and Help.

Right click the required [Repository](#) and select Properties, or double click the [Repository](#) , and select the Zones tab.

Right click on the Zone Index and select Properties (or double click) on the required Zone to open the Edit Range Information window.

Edit Repository: Offsite Vault

Identity

Zones

Slot Usage

Options

Usage History

Movement History

Certification

Total Slots60

Usage

Occupied7

Total Free53

Percentage Free88.33%

Index	Zone	Start	End	Total	Range	Used
001	Red 1	L01-S01 (1)	L06-S10 (60)	60	1-60	7
002						
003						
004						
005						
006						
007						
008						
009						
010						
011						
012						
013						
014						
015						
016						
017						
018						
019						
020						
021						

Total Items200

Total Selected1

First Selection1

Save

Cancel

Help

Using the slider adjust the Slot allocation (or enter number in the Allocation:End field) to the desired Slot number to decrease the slot allocation.

Edit Range Information

Zone-ID

Red 1

Properties

Description

Red 1

Slots

Start

1

End

100

Per Level

10

Allocation

Start

1

End

100

C-ID	M-ID	R-ID	Start	Slot	End	Slot	Total
XXXX	LTO	OFFS	Level 01, Slot S01	1	Level 01, Slot S02	2	2
US02	LTO	OFFS	Level 01, Slot S01	1	Level 10, Slot S10	100	100
US02	LTO	RA...	Level 01, Slot S01	1	Level 20, Slot S10	200	200
			Level 01, Slot S03	3	Undetermined	0	4,294,967,294
			Level 21, Slot S01	201	Undetermined	0	4,294,967,096

OK

Cancel

Click OK on the Edit Range Information window to close once the correct Slot allocation data is entered.

Click Save on the "Edit Repository" window to commit the new Slot allocation data.

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<https://rtfm.tapetrack.com/> - **TapeTrack Documentation**

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