

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.

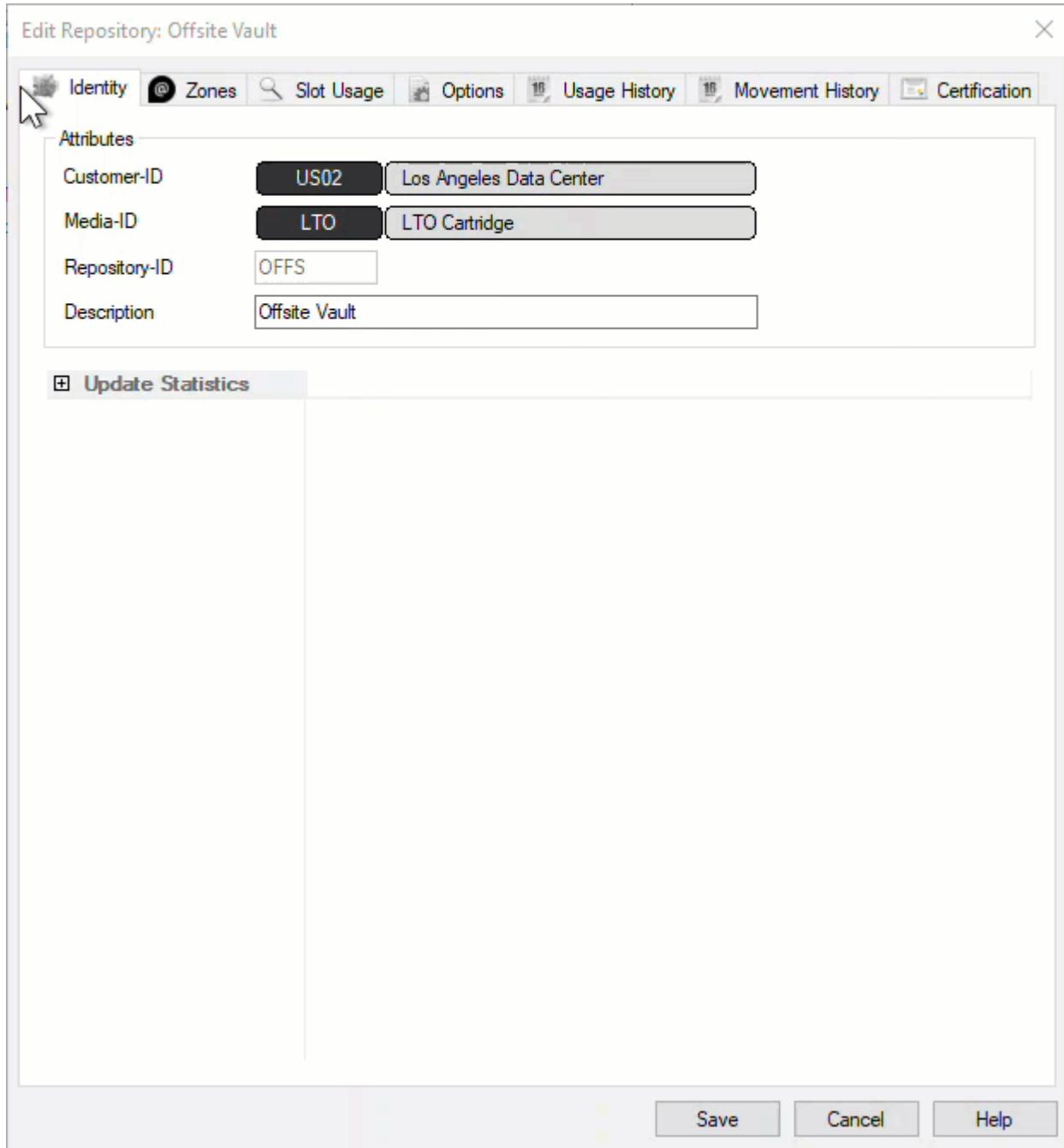
To remove these [Volumes](#) from the occupied [Slots](#), right click the required [Repository](#) and select [Properties](#), or double click the [Repository](#), and click on the [Options](#) tab.

The screenshot shows the TapeTrack TapeMaster™ (GazillaByte) software interface. The left sidebar displays a tree structure of locations: 'GazillaByte - Production' with 'US00 - United States' expanded, showing 'US01 - New York', 'US02 - Los Angeles', 'CONT - Conta', 'LTO - LTO Car', and 'US03 - North Carolina'. The main window has tabs for 'Inventory', 'DR Strategies', 'Data Clusters', 'Simple Management', 'Uploaded Files', and 'Consignments'. The 'Inventory' tab is selected, showing the 'Volumes' list for the 'Los Angeles Data Center' (selected in the breadcrumb). The 'Volumes' table has columns: ID, Current Location, Target Location, Flags, Next Move, and Description. The 'Description' column contains several entries in red: 'Friday Backup' (repeated 3 times), 'Monthly January', and 'Friday Backup' (repeated 2 times). The 'Repositories' tab is also visible, showing icons for 'GemTrac', 'Library', and 'Offsite Vault'. At the bottom, a status bar shows 'Connection 127.0.0.1 uses AES 256 bit encryption' and a 'Tape' icon.

ID	Current Location	Target Location	Flags	Next Move	Description
0000001L6	GemTrac		Cn	Permanent	
0000001L6	Library		Cn	Permanent	
0000002L6	Red 1 [10.1]		CO	Permanent	
0000003L6	Red 1 [8.6]		CNO	Permanent	
0000004L6	Red 1 [9.5]		CNO	Permanent	
0000005L6	Red 1 [3.2]		CNO	Permanent	
0000006L6	Red 1 [3.3]		CNO	Permanent	
0000007L6	Red 1 [2.5]		CO	Permanent	
0000008L6	GemTrac		Cn	Permanent	
0000009L6	Library		CnN	Permanent	
0000010L6	Red 1 [2.4]		CO	Permanent	
0000011L6	Red 1 [3.7]		CO	Permanent	
0000012L6	Red 1 [3.4]		CO	Permanent	
0000013L6	Library		Cn	Permanent	
0000014L6	Red 1 [3.5]		CO	Permanent	
0000015L6	GemTrac		Cn	Permanent	
0000016L6	GemTrac		Cn	Permanent	
0000017L6	GemTrac		CmN	Permanent	
0000018L6	GemTrac		CmN	Permanent	
0000019L6	GemTrac		CmN	Permanent	
0000020L6	GemTrac		CmN	Permanent	
0000021L6	GemTrac		Cn	Permanent	

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).



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) software interface. On the left, a tree view shows a hierarchy: 'GazillaByte - Production' with 'US00 - United States' expanded, showing 'US01 - New York', 'US02 - Los Angeles', 'CONT - Conta', 'LTO - LTO Car', and 'US03 - North Carolina'. The 'LTO - LTO Car' node is selected. The main window has tabs: 'Inventory', 'DR Strategies', 'Data Clusters', 'Simple Management', 'Uploaded Files', and 'Consignments'. The 'Inventory' tab is selected, showing a 'Volumes' list for 'Los Angeles Data Center' with the 'LTO Cartridge' tab selected. The list includes columns: ID, Current Location, Target Location, Flags, Next Move, and Description. The 'Description' column contains labels like 'Permanent', 'Friday Backup', and 'Monthly January'. The 'Repositories' section on the right shows icons for 'GemTrac', 'Library', and 'Offsite Vault'.

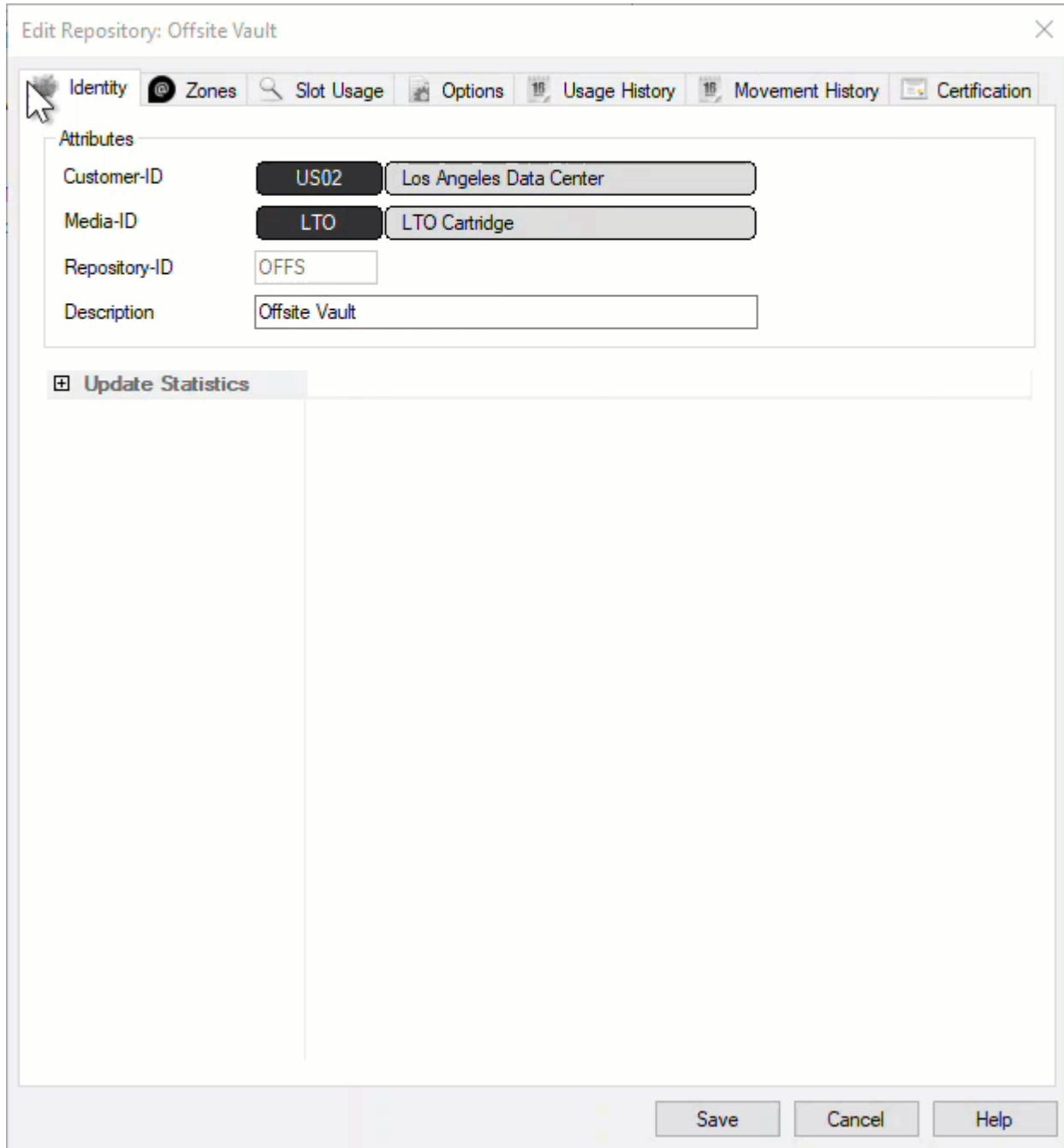
ID	Current Location	Target Location	Flags	Next Move	Description
0000001L6	GemTrac		Cn	Permanent	
000001L6	Library		Cn	Permanent	
000002L6	Red 1 [10.1]		CO	Permanent	
000003L6	Red 1 [8.6]		CNO	Permanent	
000004L6	Red 1 [9.5]		CNO	Permanent	
000005L6	Red 1 [3.2]		CNO	Permanent	
000006L6	Red 1 [3.3]		CNO	Permanent	
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		CnN	Permanent	
000018L6	GemTrac		CnN	Permanent	
000019L6	GemTrac		CnN	Permanent	
000020L6	GemTrac		CnN	Permanent	

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

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)



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 Slots	60
Usage	
Occupied	7
Total Free	53
Percentage Free	88.33%

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 Items 200 Total Selected 1 First Selection 1

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
***	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.

From:

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

Permanent link:

https://rtfm.tapetrack.com/technote/adjusting_slot_allocation?rev=1638840029

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