

# 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.

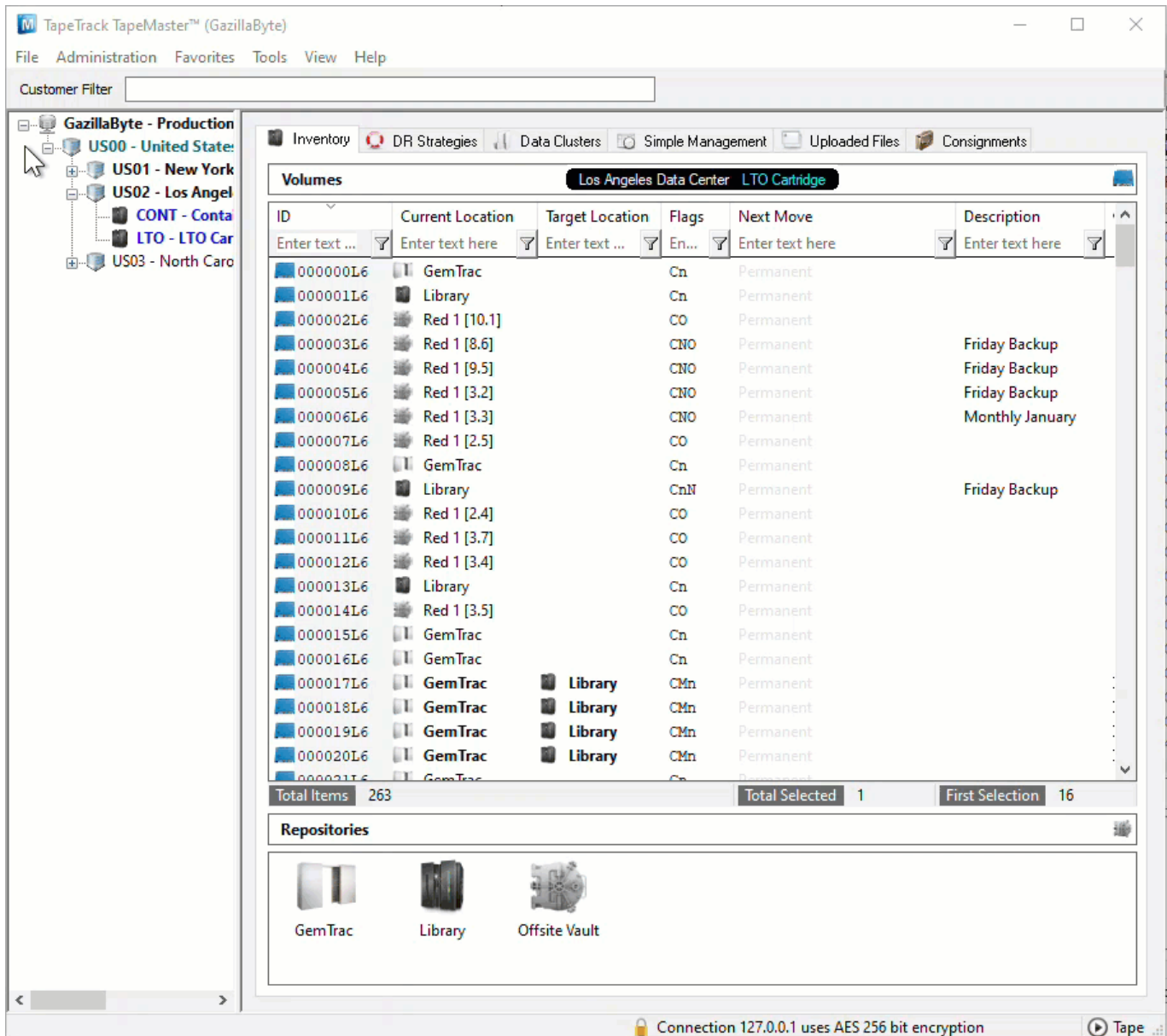
### Removing Occupied Slots

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.



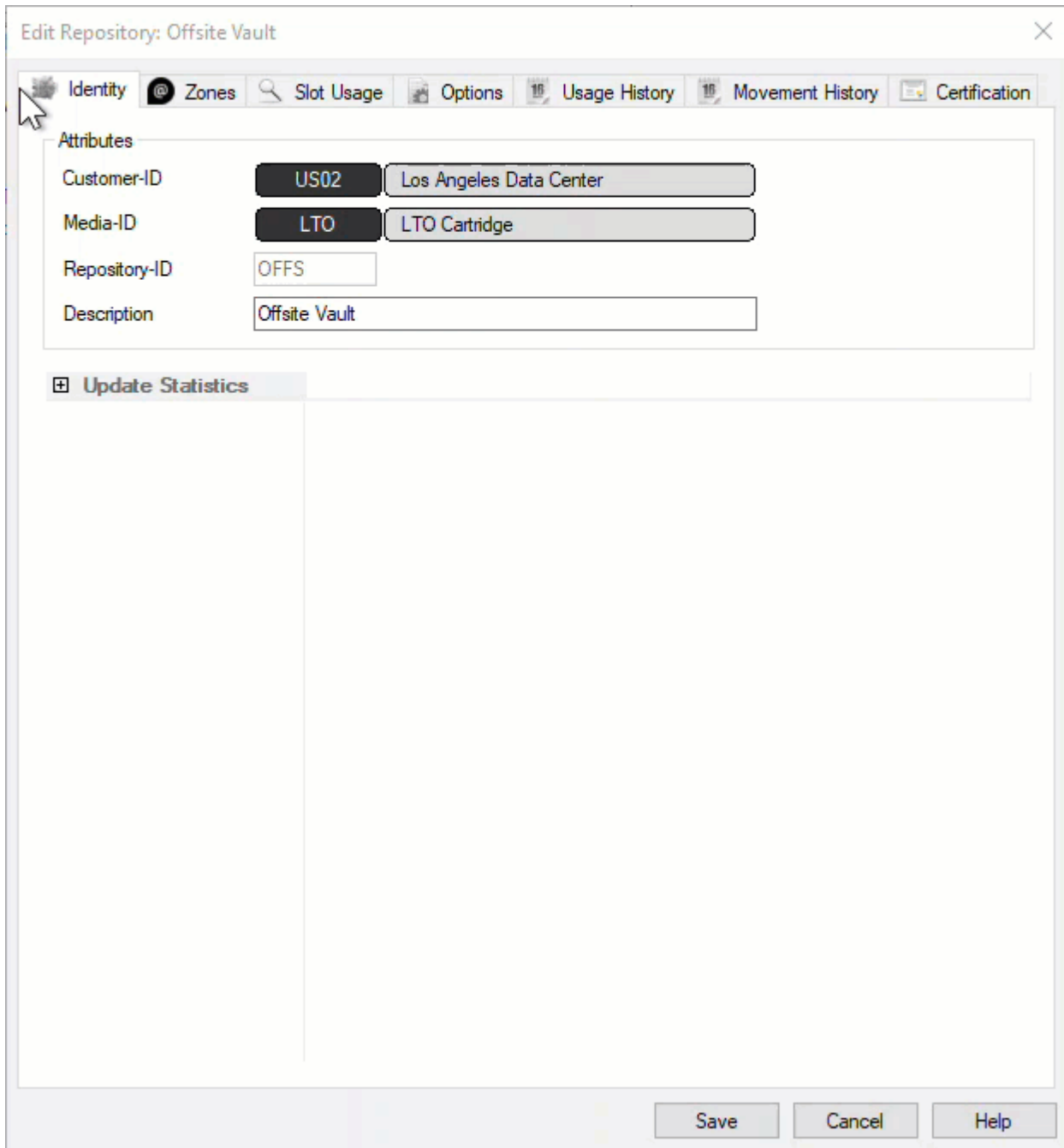
You must have enough empty [Slots](#) under the highwater mark to accommodate any [Volumes](#) currently slotted above the mark.

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.



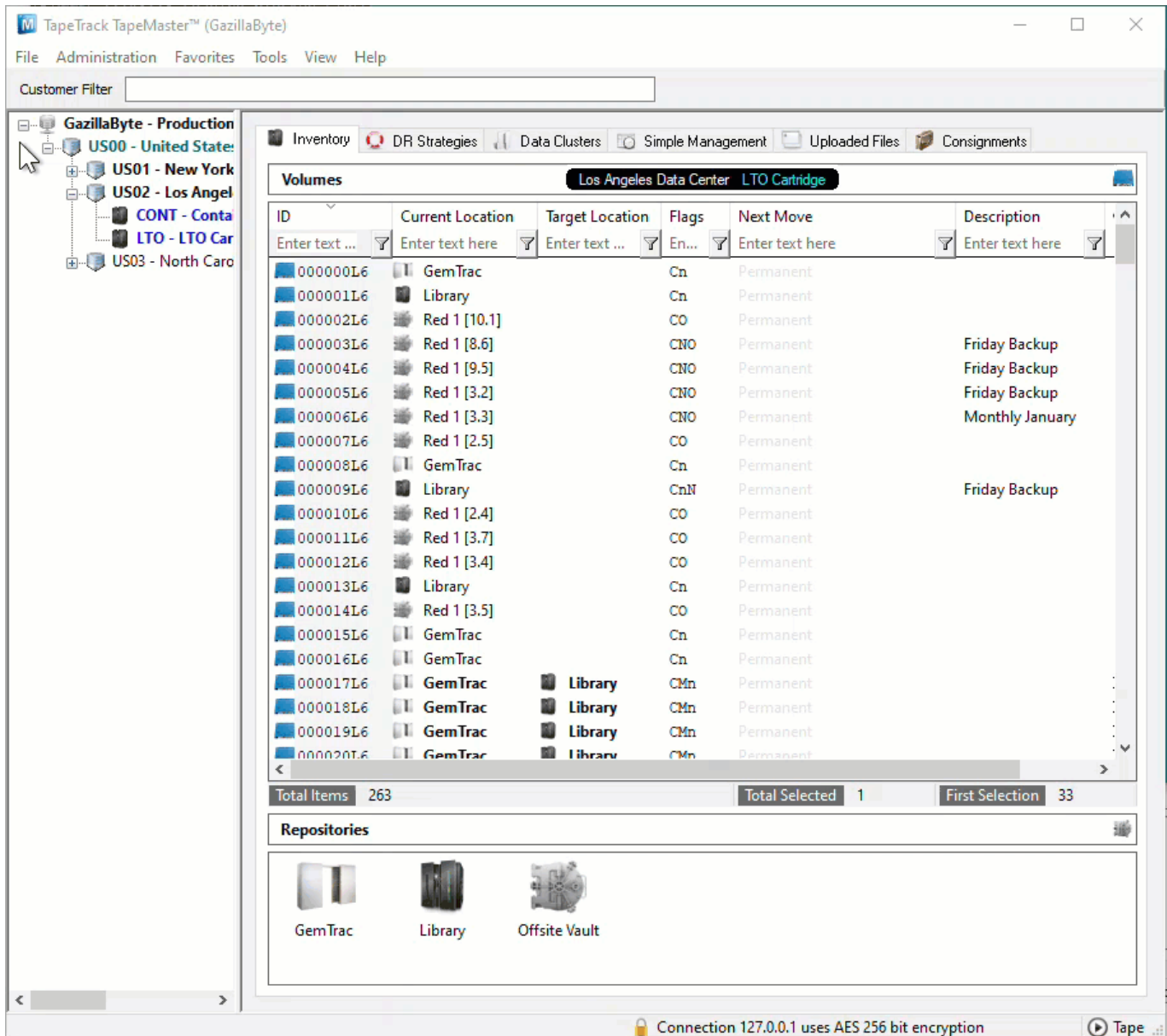
Select the Options tab from the Repository Properties.

Set Highwater Offset to the number you wish to lower Slots 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).



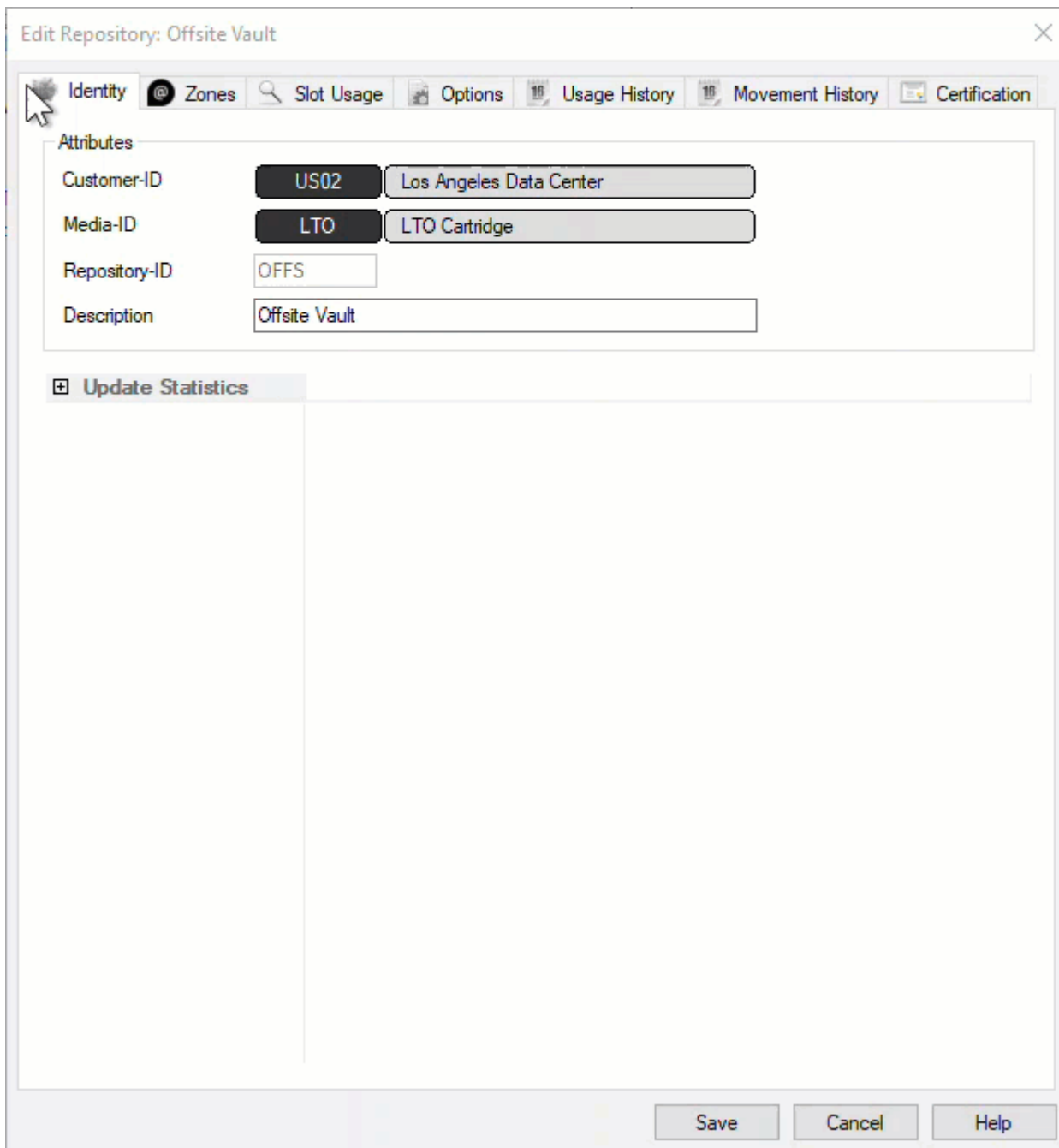
Run the slotting program [TMSS10SlotAllocation](#) to re-slot any [Volumes](#) above the highwater mark. If you have Slotting scheduled you can let the program execute on the schedule, or manually run it if required.

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.



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.

The screenshot shows the 'Edit Repository: Offsite Vault' window. At the top, there are tabs for Identity, Zones, Slot Usage, Options, Usage History, Movement History, and Certification. The 'Slot Usage' tab is active, displaying a summary table:

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

Below the summary is a table with columns: Index, Zone, Start, End, Total, Range, and Used. The first row shows Index 001, Zone Red 1, Start L01-S01 (1), End L06-S10 (60), Total 60, Range 1-60, and Used 7. The rest of the index list (002-021) is visible but has no data.

At the bottom of the table, there are summary fields: Total Items 200, Total Selected 1, and First Selection 1. Below these are buttons for Save, Cancel, and 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](#).

The screenshot shows a software window titled "Edit Range Information". On the left, there is a tree view with sections: "Properties" (containing "Description" set to "Red 1"), "Slots" (containing "Start" set to 1, "End" set to 100, and "Per Level" set to 10), and "Allocation" (containing "Start" set to 1 and "End" set to 100). On the right, a table displays slot allocation data:

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

At the bottom right of the window are "OK" and "Cancel" buttons.

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.

[technote](#), [slotting](#), [zone](#), [tapemaster](#)

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