

Virtual Slot

The **Virtual Slot** allocation is a number of the slot based on sequential numbering of all slots from the zones allocated to a repository.

For this example we will use three LTO storage racks. Each of these racks with:

- a capacity of 100 tapes
- 10 storage shelves.
- 10 slots per shelf.

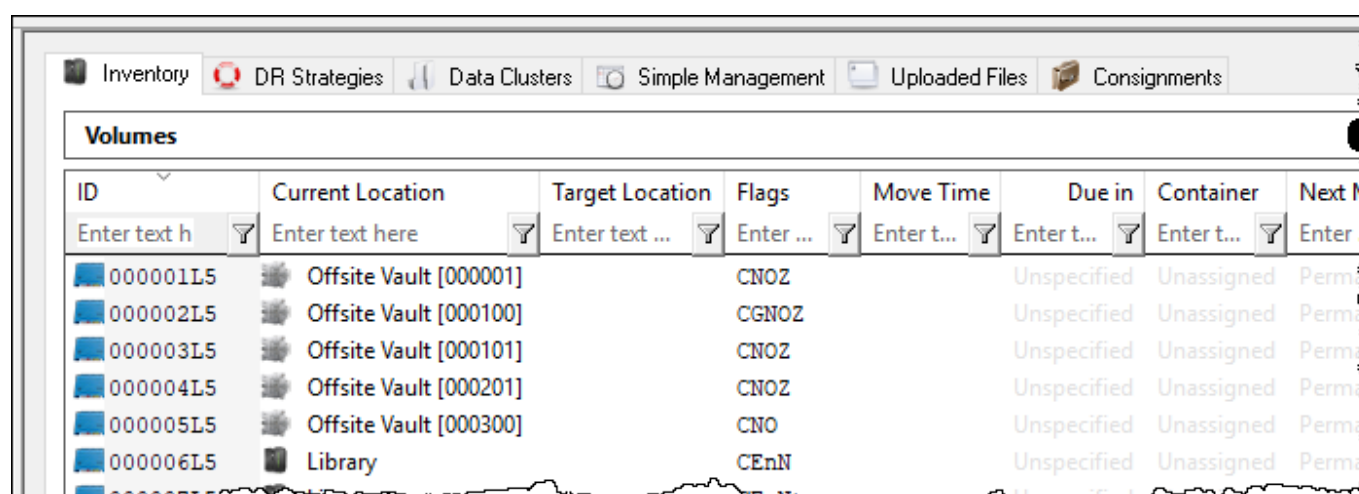
These racks will be assigned names of Rack_01, Rack_02 and Rack_03

If these three racks are completely assigned to one repository, there will be 300 virtual slots available for volume allocation.

- Slot 1 would be the first slot in Rack_01
- Slot 100 would be the last slot in Rack_01
- Slot 101 would be the first slot in Rack_02
- Slot 201 would be the first slot in Rack_03
- Slot 300 would be the last slot in Rack_03

Assigning volumes to slots in TapeMaset

- volume 000001L5 to slot 1
- volume 000002L5 to slot 100
- volume 000003L5 to slot 101
- volume 000004L5 to slot 201
- volume 000005L5 to slot 300



The screenshot shows the 'Volumes' section of the TapeMaset interface. It features a table with columns for ID, Current Location, Target Location, Flags, Move Time, Due in, Container, and Next M. The table lists several volumes, including 000001L5 through 000006L5, with their current locations and flags.

ID	Current Location	Target Location	Flags	Move Time	Due in	Container	Next M
000001L5	Offsite Vault [000001]		CNOZ		Unspecified	Unassigned	Perma
000002L5	Offsite Vault [000100]		CGNOZ		Unspecified	Unassigned	Perma
000003L5	Offsite Vault [000101]		CNOZ		Unspecified	Unassigned	Perma
000004L5	Offsite Vault [000201]		CNOZ		Unspecified	Unassigned	Perma
000005L5	Offsite Vault [000300]		CNO		Unspecified	Unassigned	Perma
000006L5	Library		CEnN		Unspecified	Unassigned	Perma

If the first 50 slots in storage rack 1 were assigned to customer AAAA, and the rest of the racking, 250 slots, assigned to customer BBBB. For Customer AAAA

- Slot 1 would be the first slot in Rack_01
- Slot 50 would be the 50th slot in Rack_01

For Customer BBBB

- Slot 1 would be the 51st slot in Rack_01
- Slot 50 would be the 100th slot in Rack_01
- Slot 51 would be the 1st slot in Rack_02
- Slot 151 would be the 1st slot in Rack_03
- Slot 250 would be the 100th slot in Rack_03

Physical Slot

The **Physical Slot** allocation is a slot number showing the physical location of a slot in the storage rack that remains unaltered regardless of which repository or customer it is allocated to.

For this example we will use three LTO storage racks, each with a capacity of 100 tapes over 10 shelves.

If these three racks are completely assigned to one repository, there will be 300 virtual slots available for volume allocation.

- Slot 1 would be storage rack 1, shelf 1, slot 1
- Slot 100 would be storage rack 1, shelf 10, slot 10
- Slot 101 would be storage rack 2, shelf 1
- Slot 201 would be the first slot in storage rack 3
- Slot 300 would be the last slot in storage rack 3

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