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

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 storage rack 1
- Slot 50 would be the 50th slot in storage rack 1

For Customer BBBB

- Slot 1 would be the 51st slot in storage rack 1
- Slot 50 would be the 100th slot in storage rack 1
- Slot 51 would be the 1st slot in storage rack 2
- Slot 151 would be the 1st slot in storage rack 3
- Slot 250 would be the 100th slot in storage rack 3

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