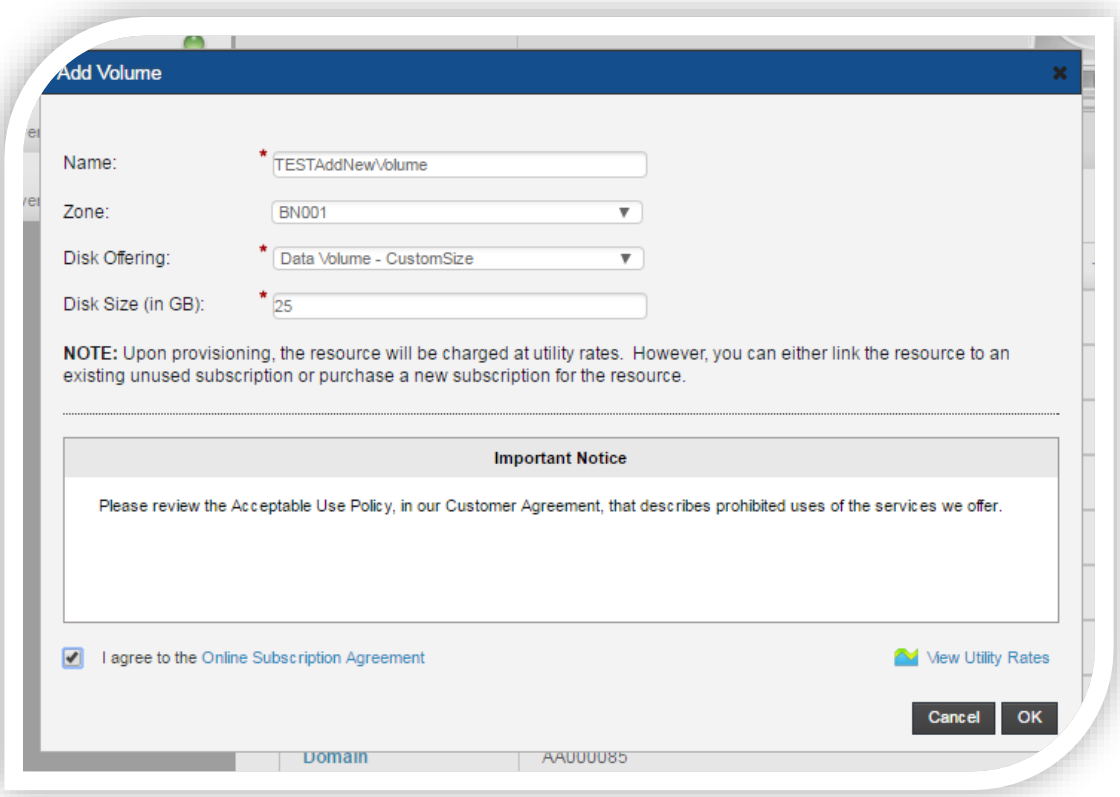
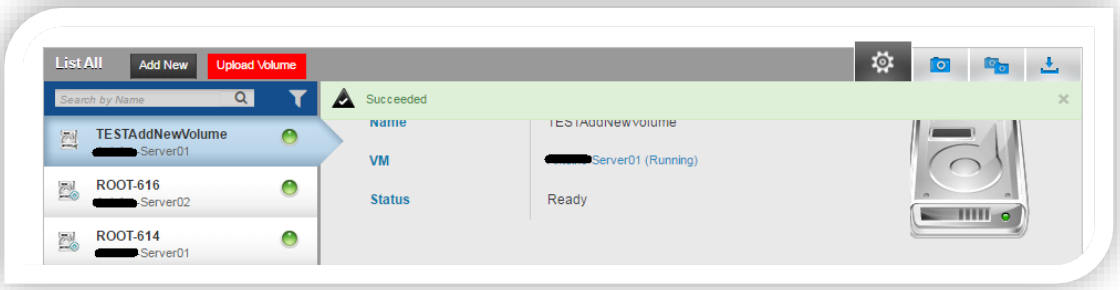
How to scan additional volume on Linux without restarting

Scan additional volume

- Whenever a new volume is added to a Linux machine, it is not visible until the VM has been restarted. However, there is a way to do it without restarting the VM

- Add a new DATA volume and attach it to a Linux VM

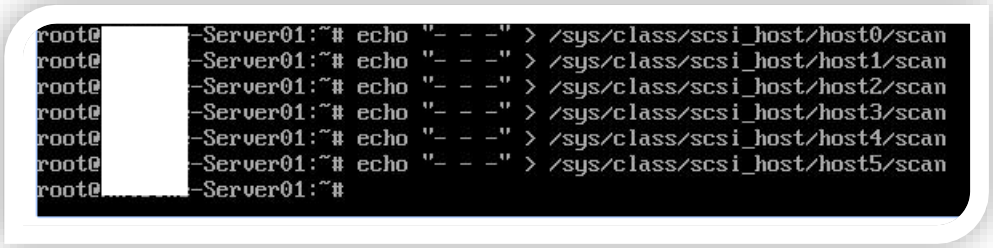




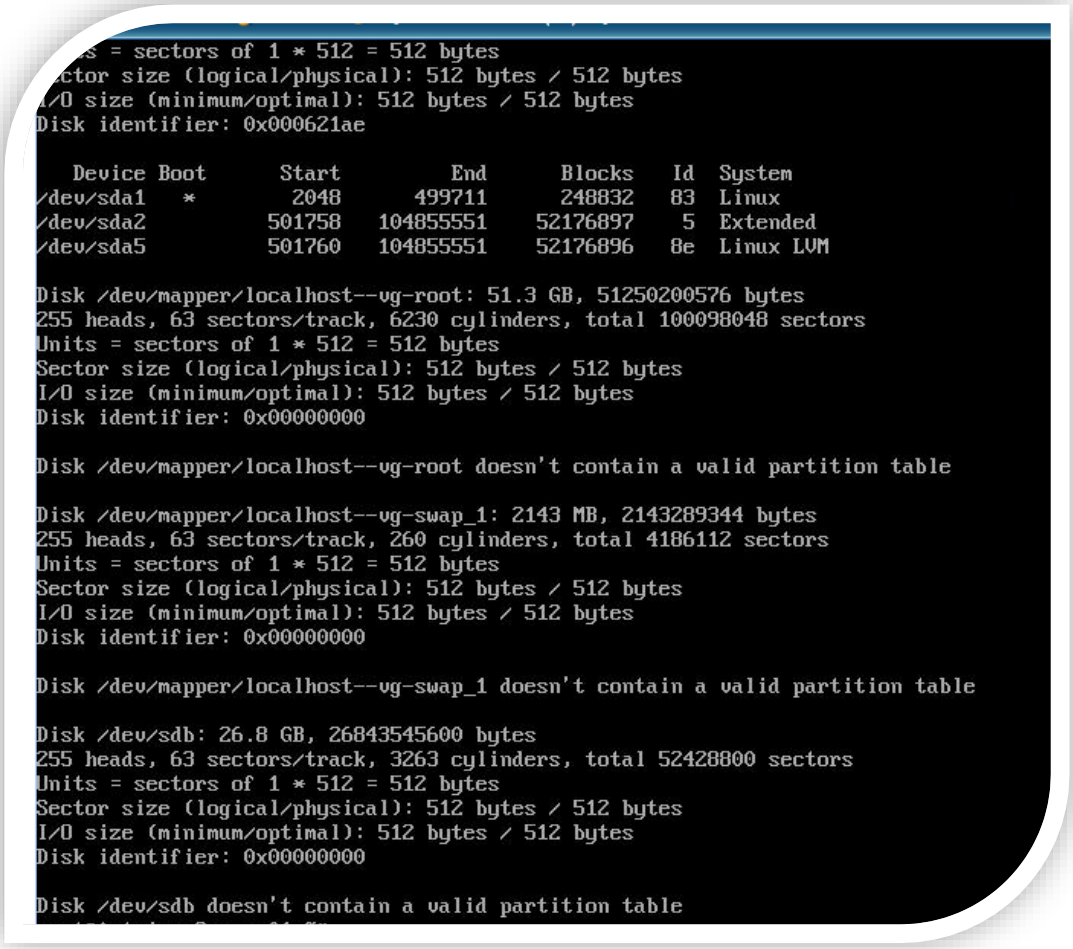
- Once a new DATA volume has been successfully attached to a Linux VM, either console or SSH to the VM
- Type the command: **fdisk -l**
  In our case here, only **/dev/sda** is visible which is the ROOT volume

- Type the command: ls /sys/class/scsi_host/
  You should get something like the below screenshot

- Based on the number of hosts that you get, type the following commands:
- **echo "- - -" > /sys/class/scsi_host/host0/scan**
- **echo "- - -" > /sys/class/scsi_host/host1/scan**
- **echo "- - -" > /sys/class/scsi_host/host2/scan**
- **echo "- - -" > /sys/class/scsi_host/host3/scan**
- **echo "- - -" > /sys/class/scsi_host/host4/scan**
- **echo "- - -" > /sys/class/scsi_host/host5/scan**
- **Note**: The three values **"- - -"** stand for channel, SCSI target ID, and LUN. The dashes act as wildcards meaning "rescan everything"



- Once completed, you should be able to see your new volume by typing **fdisk -l**. Here our new volume is called **/dev/sdb**



- You have successfully attached your new volume to your Linux guest VM

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