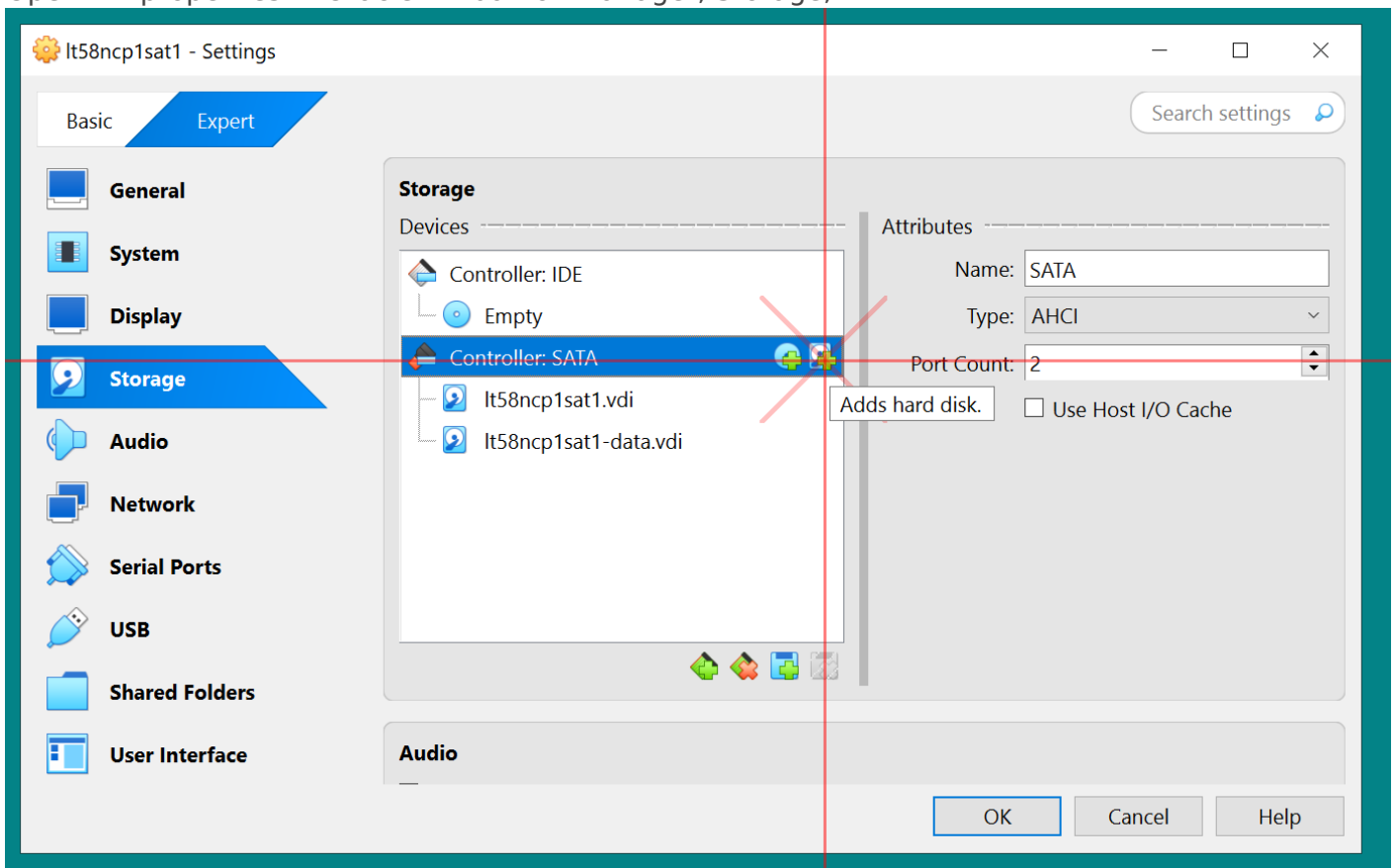


Adding more space to virtual machine by adding new disk and expanding using LVM

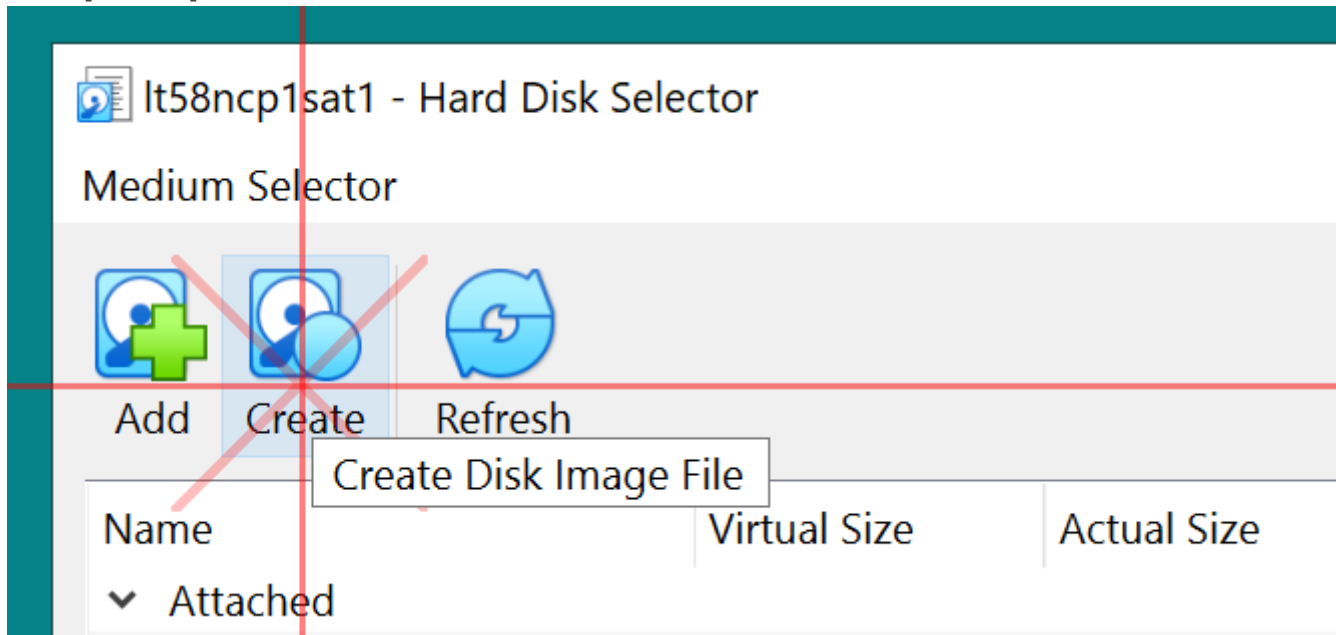
Daily task, which comes as daily routing, to extend the disk space:

Switch off the machine

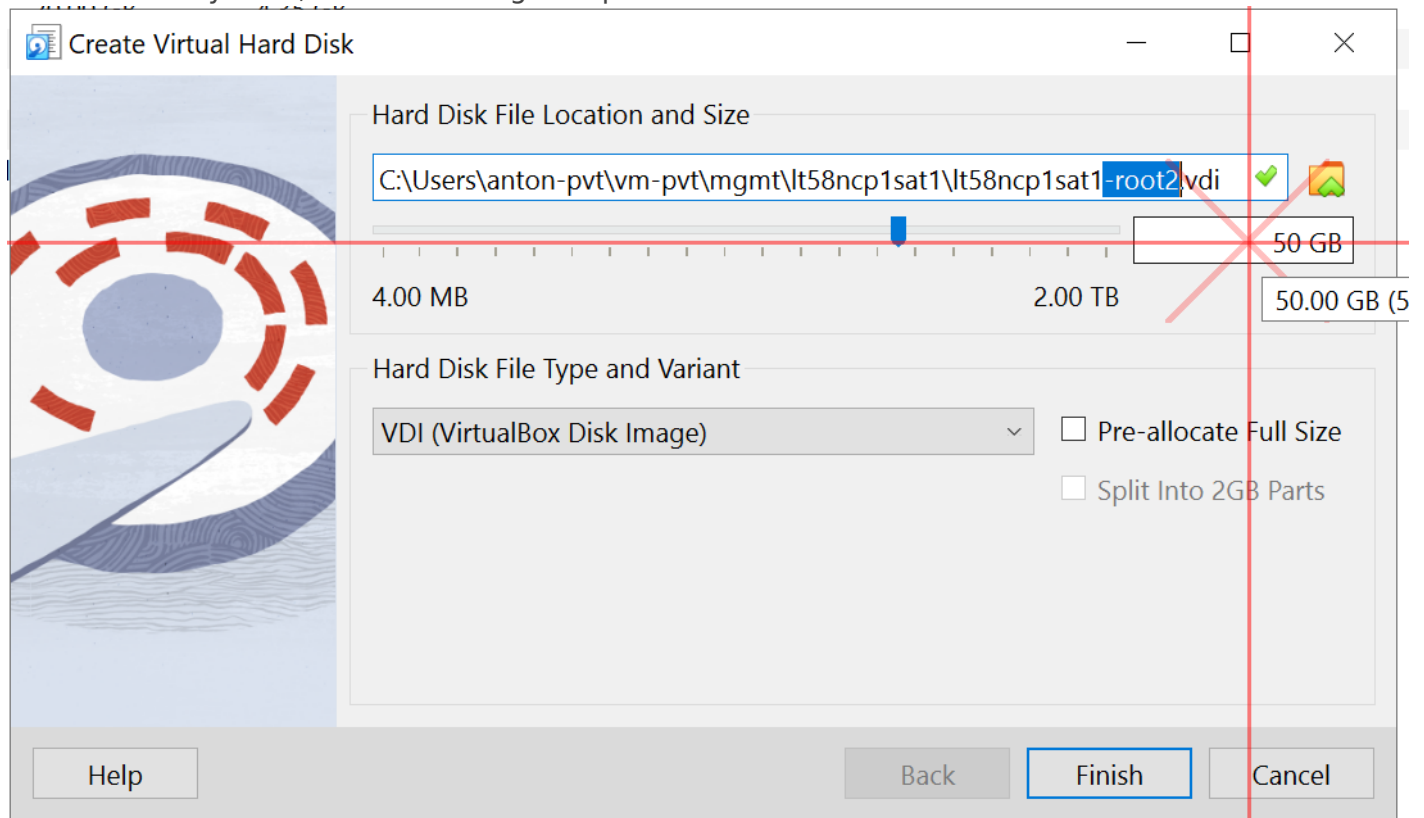
Open VM properties in Oracle VirtualBox Manager, Storage,



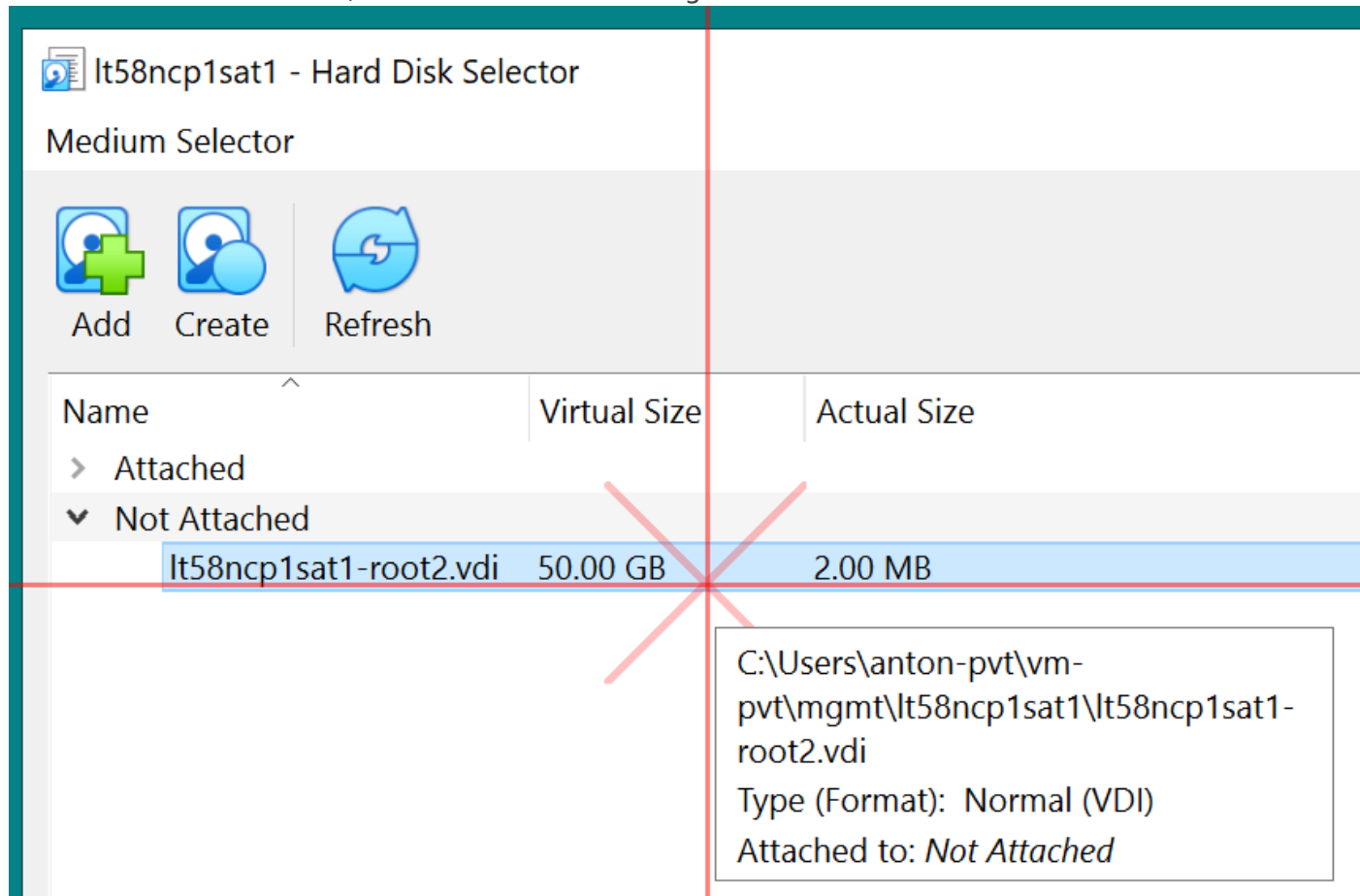
Click [Create]



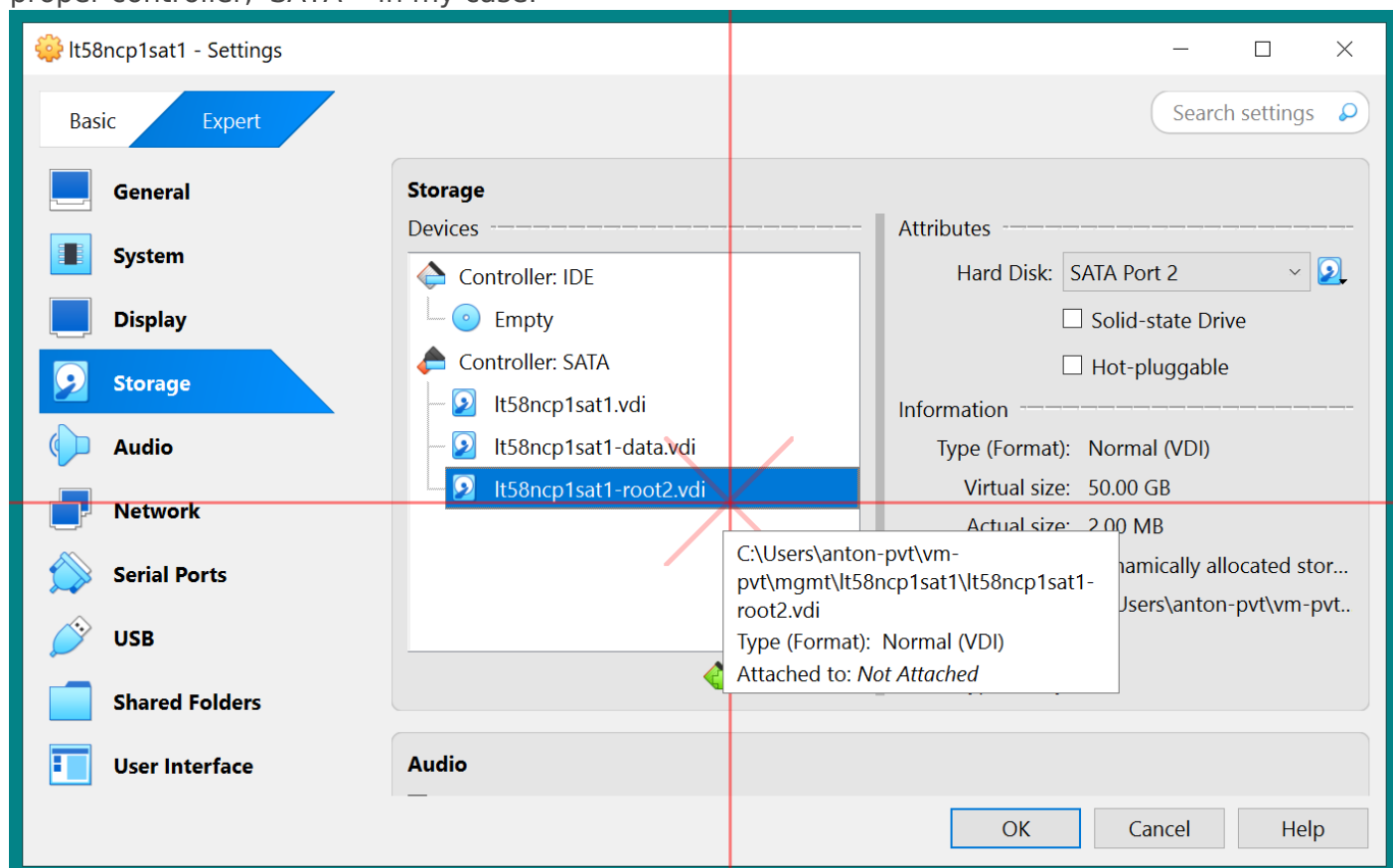
Name the disk accordingly to be consistent with other drives. Ensure that disk is saved nearby the VM itself. In my case, I am extending root partition for 50 GB.



After new disk is created, choose it double-clicking it.



Should end by seeing new disk in the virtual machine properties under 'Storage' list, attached to proper controller, 'SATA' - in my case.

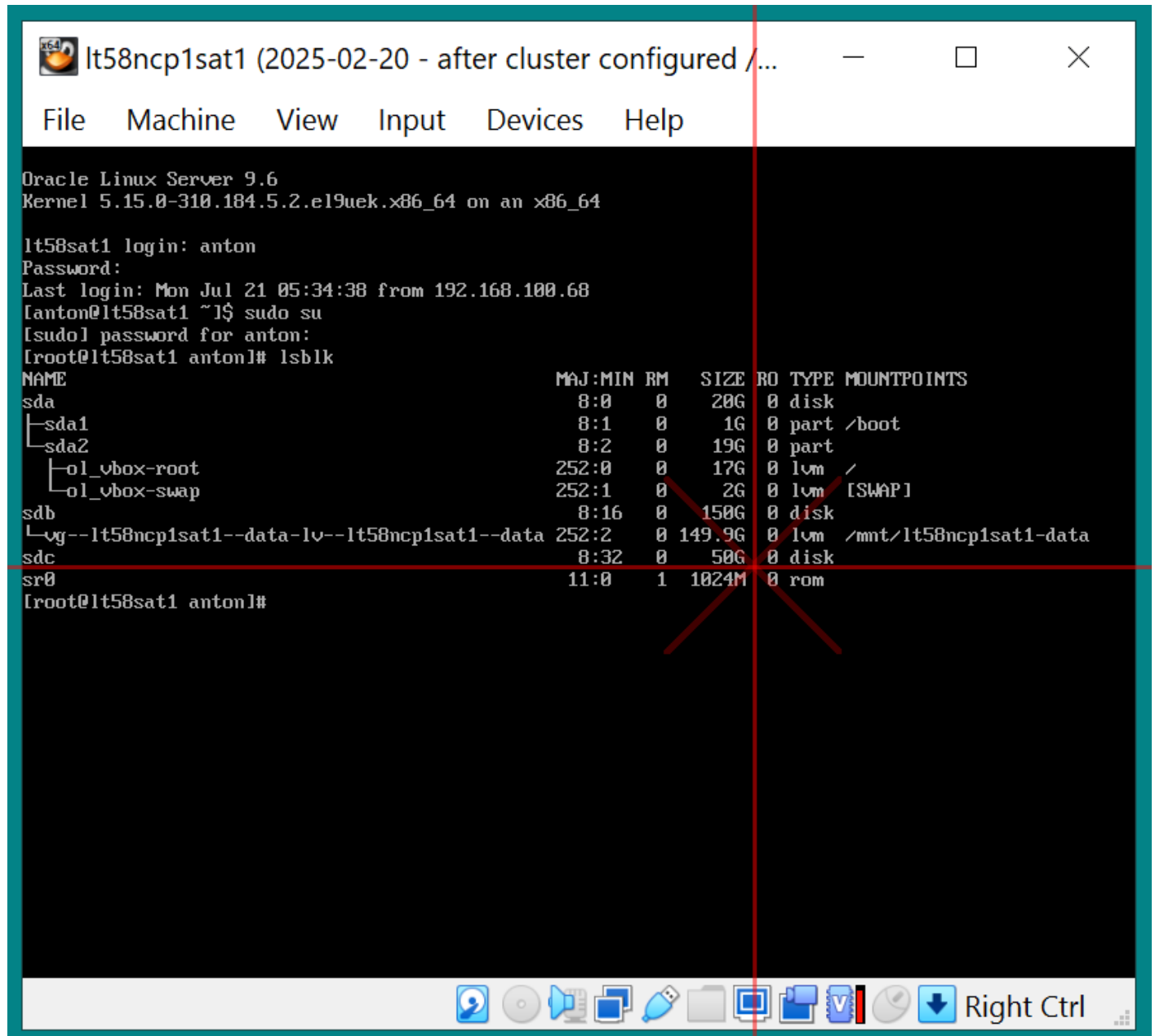


Confirm with [OK]

Power on the machine

List disks with. New disk should be visible.

```
lsblk
```



```
lt58ncp1sat1 (2025-02-20 - after cluster configured /...
File Machine View Input Devices Help

Oracle Linux Server 9.6
Kernel 5.15.0-310.184.5.2.el9uek.x86_64 on an x86_64

lt58sat1 login: anton
Password:
Last login: Mon Jul 21 05:34:38 from 192.168.100.68
[anton@lt58sat1 ~]# sudo su
[sudo] password for anton:
[root@lt58sat1 anton]# lsblk
NAME                                MAJ:MIN RM  SIZE RO TYPE MOUNTPOINTS
sda                                  8:0    0   20G  0 disk
├─sda1                              8:1    0    1G  0 part /boot
├─sda2                              8:2    0   19G  0 part
│   └─ol_vbox-root                  252:0    0   17G  0 lvm /
│       └─ol_vbox-swap              252:1    0    2G  0 lvm [SWAP]
sdb                                  8:16    0  150G  0 disk
└─vg--lt58ncp1sat1--data-lv--lt58ncp1sat1--data 252:2    0 149.9G  0 lvm /mnt/lt58ncp1sat1-data
sdc                                  8:32    0   50G  0 disk
sr0                                  11:0    1 1024M  0 rom
```

Follow [LVM Disk Extension guide](#) to finalize extension.

Revision #3

Created 21 July 2025 02:38:18 by Anton

Updated 21 July 2025 03:51:32 by Anton