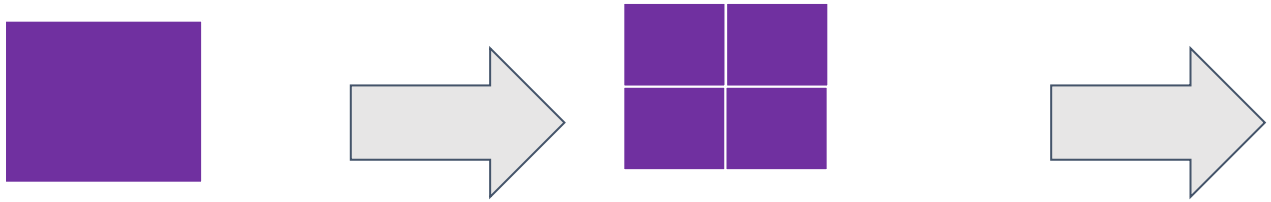
Block Based

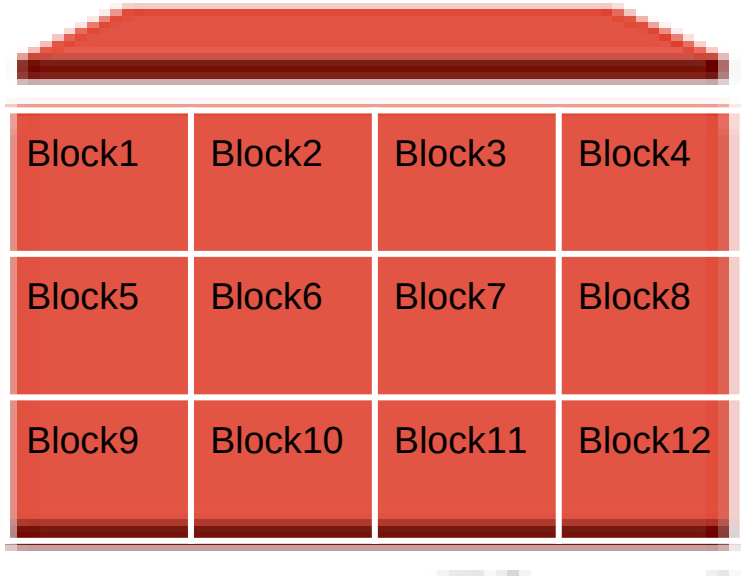


Totally = 16 KB in size

Divide your object into the blocks max 4KB inseize

Each Block=4KB in size

EBS

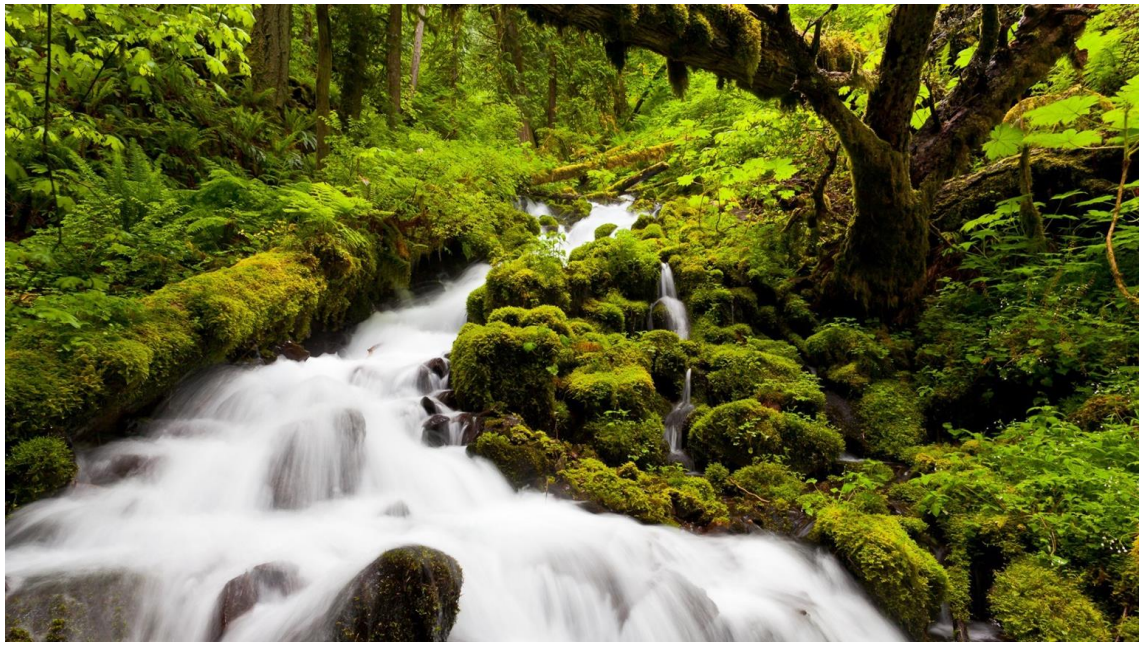


Totally = 48KB

Total blocks number= 12

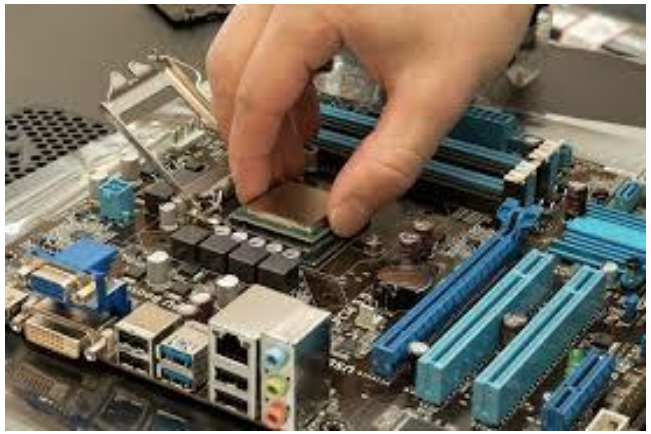
Each Block= 4KB in seize

Who can call the data? =Only related EC2



IOPS

Throughput

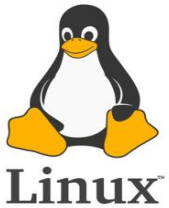


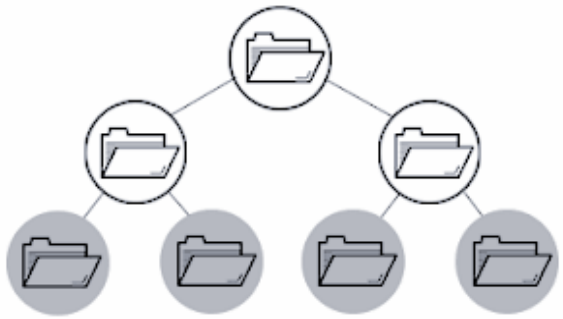
Attaching-outside

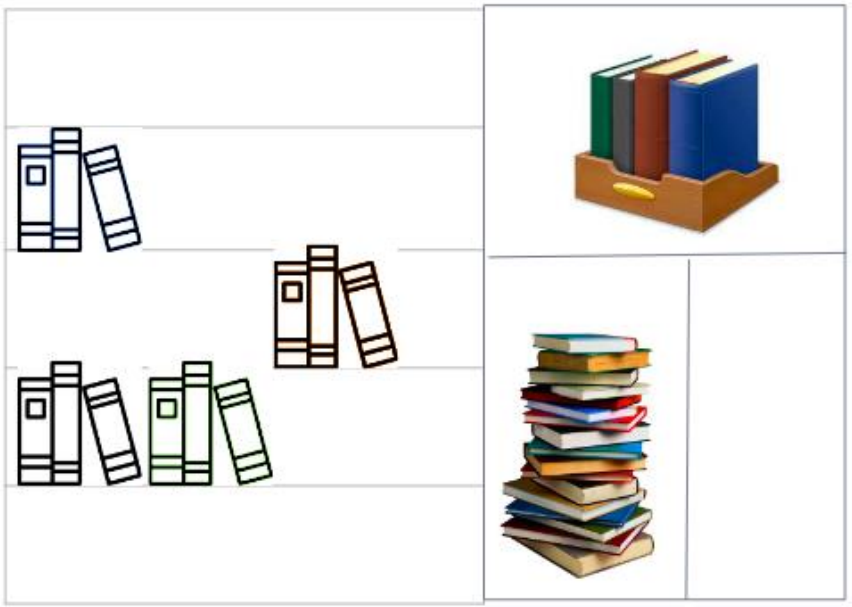
- Physically Associated
- AWS M. Console
- lsblk: ✓
  df -h ✗

Mounting-inside

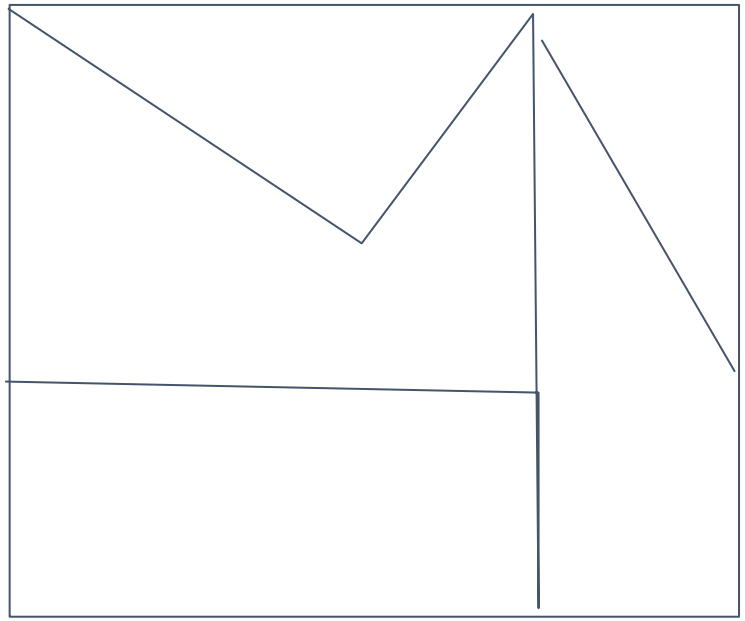
- Turn the system on
- Terminal
- lsblk: ✓
  df –h: ✓

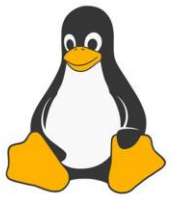


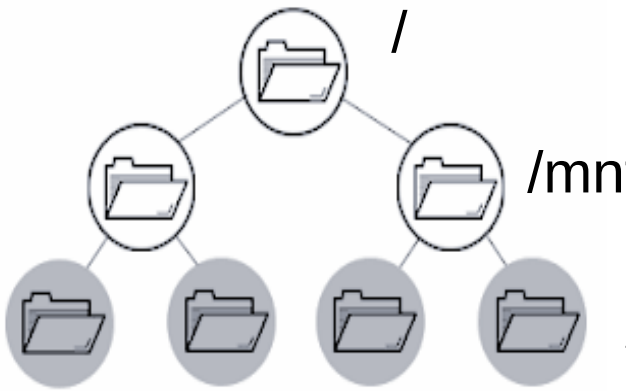


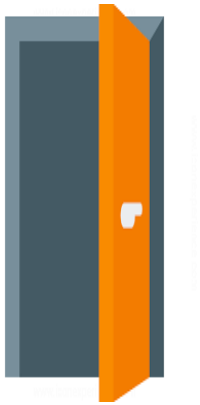


/dev/xvdf

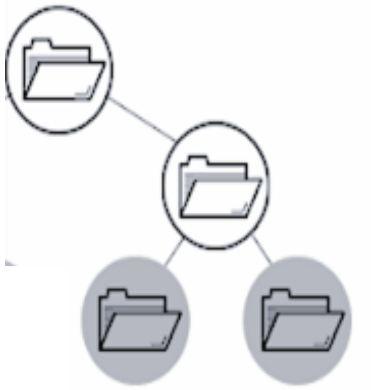






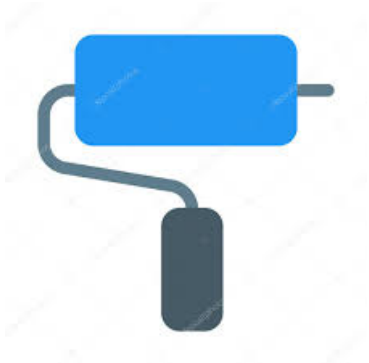


/mnt/mp1



/dev/xvdf

Resizing



Modify from console
from 5 to 6 gb

1

Lsblk: 6
Df -h 5 -1

2

sudo resize2fs /dev/xvdf

5 gb 1gb

3

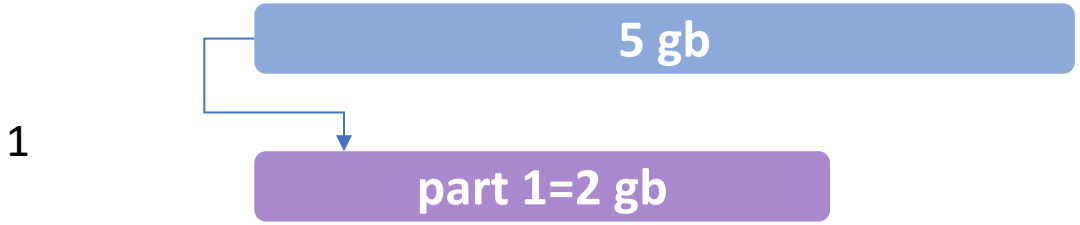
6 gb

Reboot =????

- Save your data?

- Change the format of the newly added volume into format that previous size has

New added volume resize

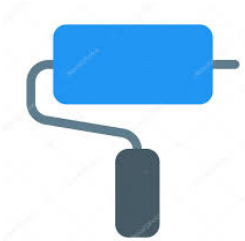


Root volume resize

first choose a part

Partition Resizing root volume

Modify from console
from 8 to 12 gb



Lsblk

xvda 10 gb

xvda1 2 gb

sudo growpart /dev/xvda 1

Lsblk

!!!!!!!!
a space 1

df -h

xvda

xvda1

sudo xfs_growfs /dev/xvda1

df -h

Equal the size of xvda1

Equal the format of xvda1

universally unique identifier

<device>	<dir>	<type>	<options>	<dump>	<fsck>
UUID=55da5202-8008-43e8-8ade-2572319d9185	/	xfs	defaults,noatime	1	1
/dev/xvdf	/mp1	ext4	defaults,nofail	0	0

option

nofail allows the boot sequence to continue **even if the drive fails** to mount.

noatime will tell the filesystem **not to record the last accessed date** of the file. it increases speed

dump

Enable or disable **backing up** of the device/partition. 0 , disables

fsck

Sets the order for **filesystem checks** at boot time; For the **root device it should be 1**. **For other partitions** it should be 2, or **0** to disable checking.

0 = Do not check.
1 = First file system (partition) to check; / (root partition) should be set to 1.
2 = All other filesystems to be checked.