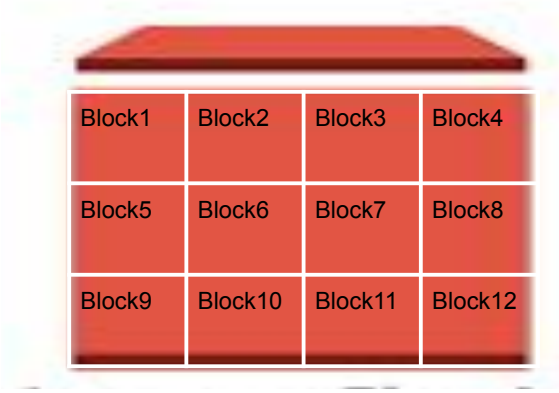
Block Based

Totally = 16 KB in size

Divide your object into the blocks max 4KB inseize

Each Block=4KB in size

EBS



Totally = 48KB

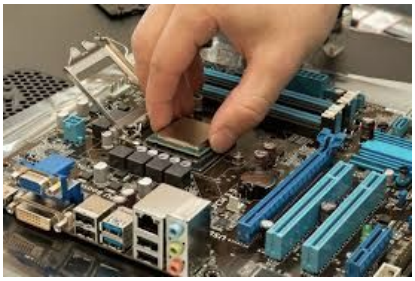
Total blocks number= 12

Each Block= 4KB in seize

Who can call the data? =Only related EC2

IOPS

Throughput

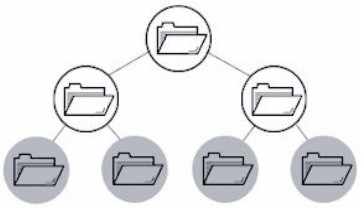


Attaching-outside

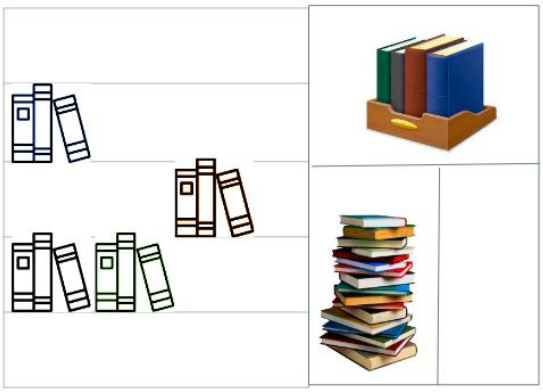
- Physically Associated
- AWS M. Console
- lsblk: ✓
  df -h ✗

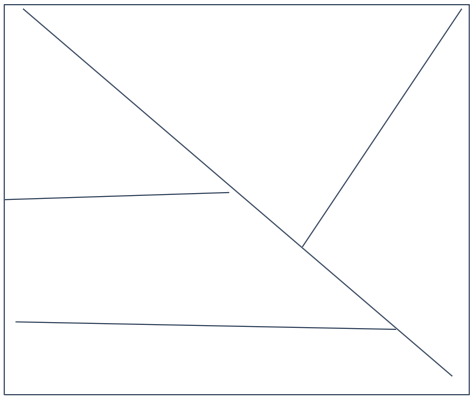
Mounting-inside

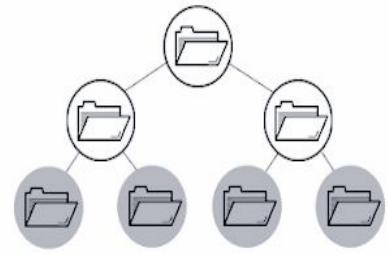
- Turn the system on
- Terminal
- lsblk: ✓
  df –h: ✓



/dev/xvdb

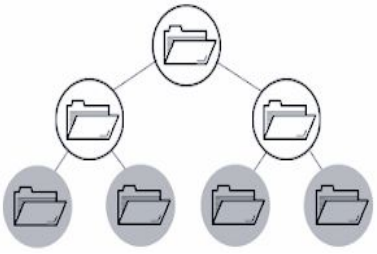




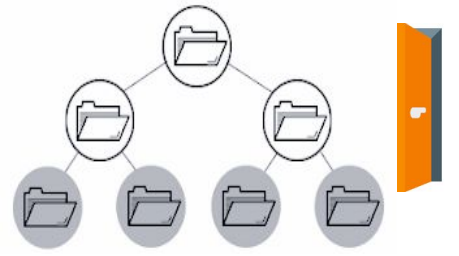


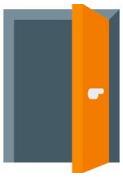
/mnt/mp1

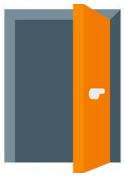
/dev/xvdc



/mnt/mp2 /mnt/mp3







osvaldo2

Resizing

Modify from console
from 5 to 6 gb

1 Lsblk: Df -h — 6 / 5 -1

2 sudo resize2fs /dev/xvdb

5 gb 1gb

3 6 gb

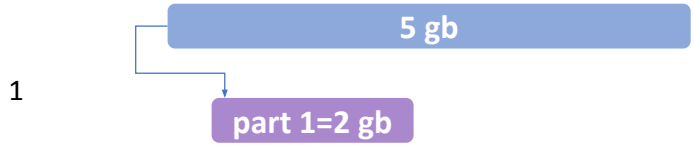
Reboot =????

- Save your data?

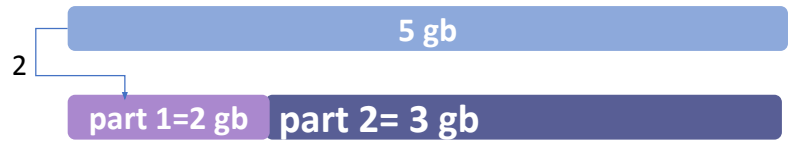
- Change the format of the newly added volume into format that previous size has

Attach new volume and make Partition

1



2



Make Partition

1. umount if it is mounted
2. Make partition
3. Format the partition
4. mount partition

Attach new volume and make Partition

root 128 gb

C=128 gb

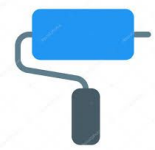
128 gb C=128 gb

e 5 gb

E=2 gb F=2gb

Partition Resizing add. volume

Modify from console
from 5 to 6 gb

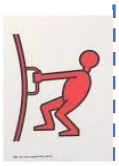


Lsblk

df -h

xvdb 6 gb

xvdc1 xvdc2 1 gb



xvdc

xvdb1 xvdb2

sudo growpart /dev/xvdc 2

!!!!!!!!
g space 2

sudo resize2fs /dev/xvdc2

Lsblk

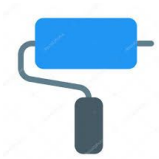
df -h

Equal the size of xvdc2

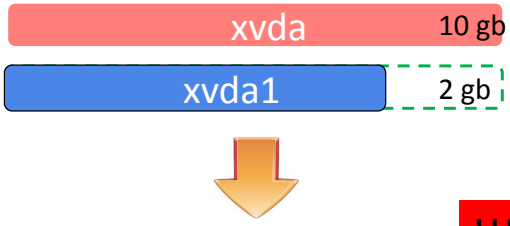
Equal the format of xvdb2

Partition Resizing root volume

Modify from console
from 8 to 12 gb

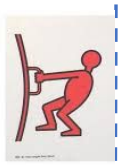


Lsblk



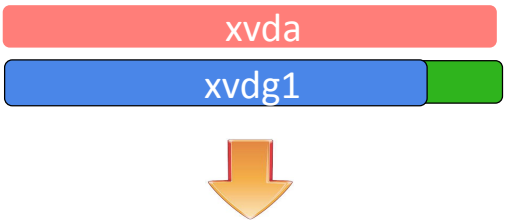
sudo growpart /dev/xvda 1

Lsblk



!!!!!!!!
a space 1

df -h



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	/mp3	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.