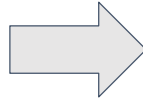
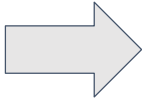


Block Based



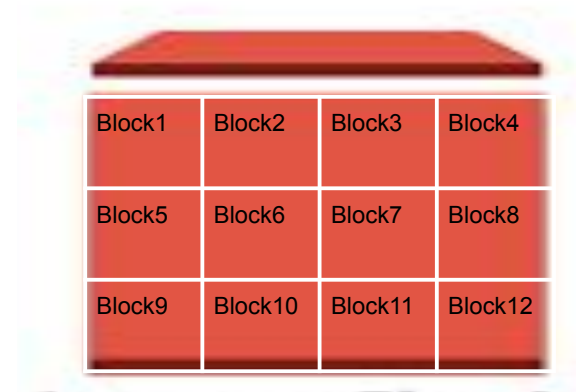
Totally = 16 KB in size

Divide your object into the blocks max 4KB in size

Each Block=4KB in size



EBS

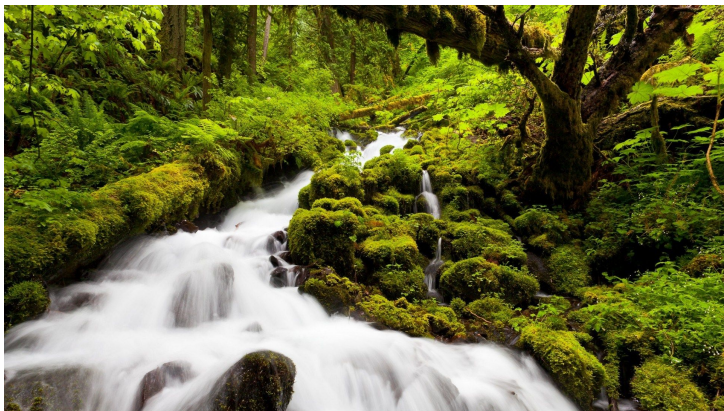


Totally = 48KB

Total blocks number= 12

Each Block= 4KB in size

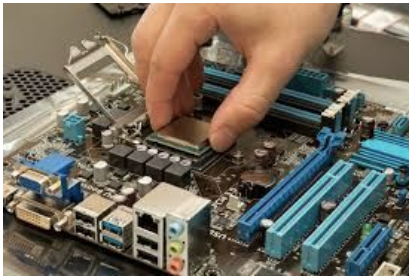
Who can call the data? =Only related EC2



IOPS



Throughput



Attaching-outside

Physically Associated

AWS M. Console

lsblk: ✓
df -h ✗

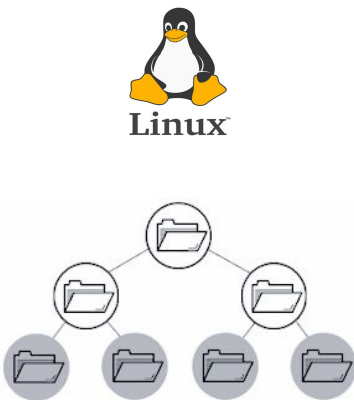
terminal commands

Mounting-inside

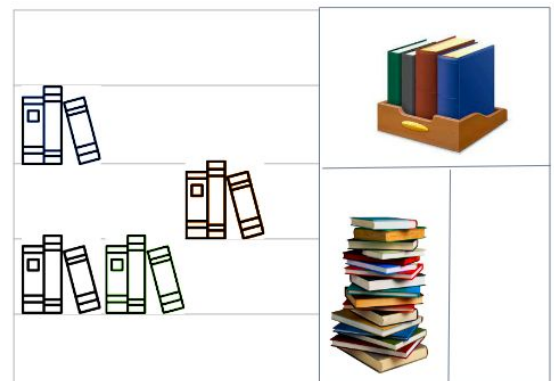
Turn the system on

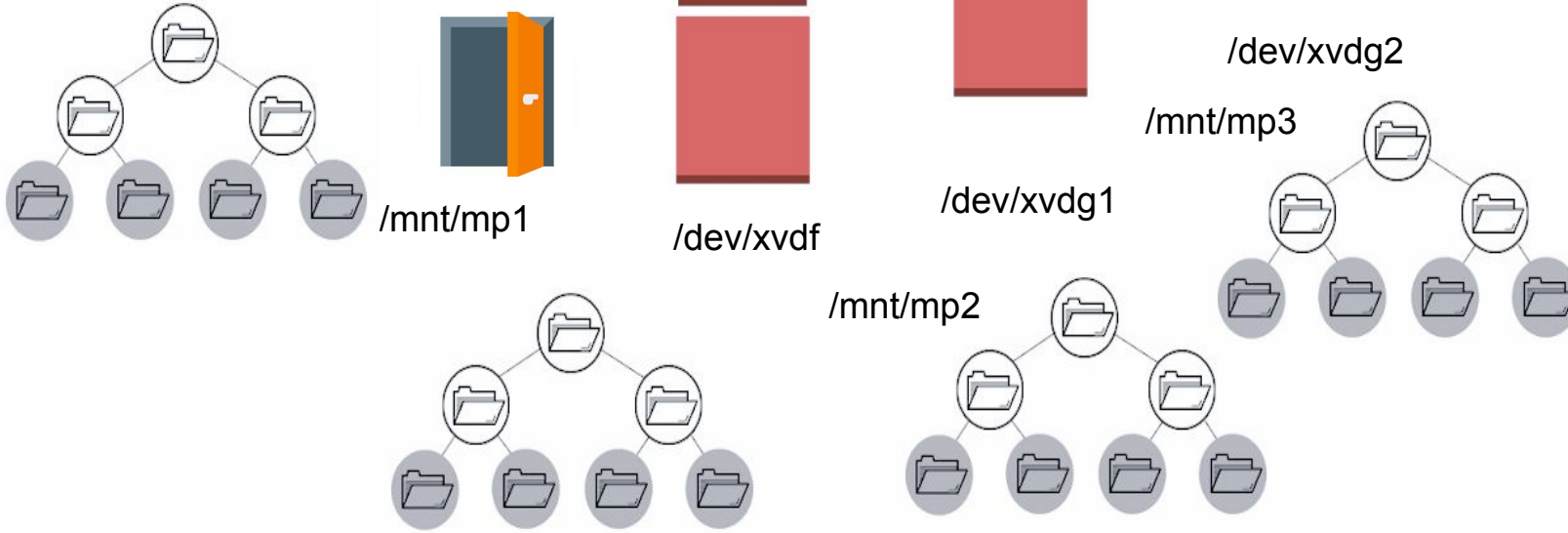
Terminal

lsblk: ✓
df -h: ✓



/dev/xvdf





Instance Reboot

A

Volume unmount olur; bilgi silinir

B

Volume mount kalır; bilgi silinir

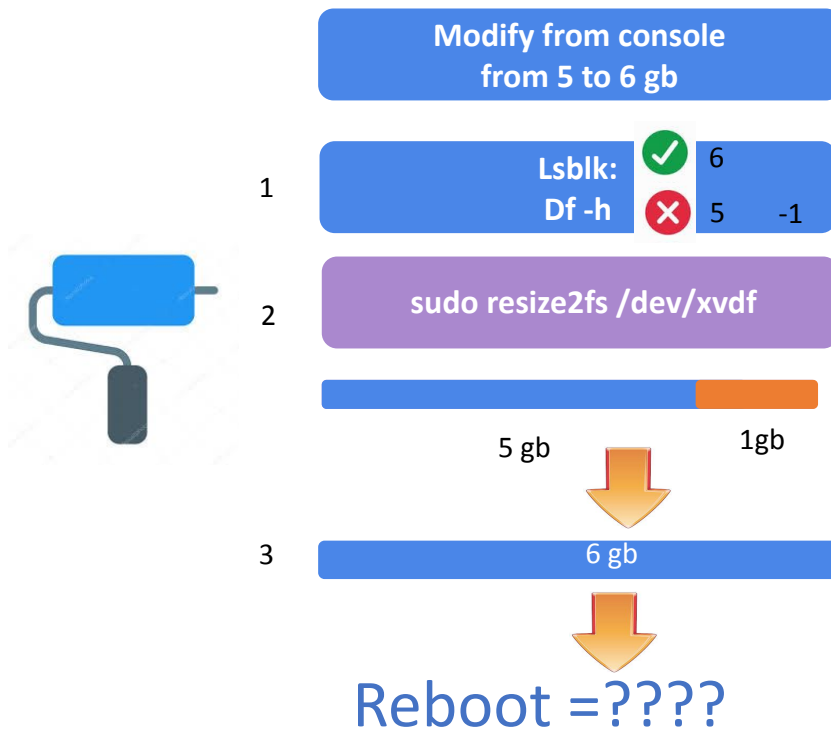
C

Volume unmount olur; bilgi kalır

D

Volume mount kalır; bilgi kalır

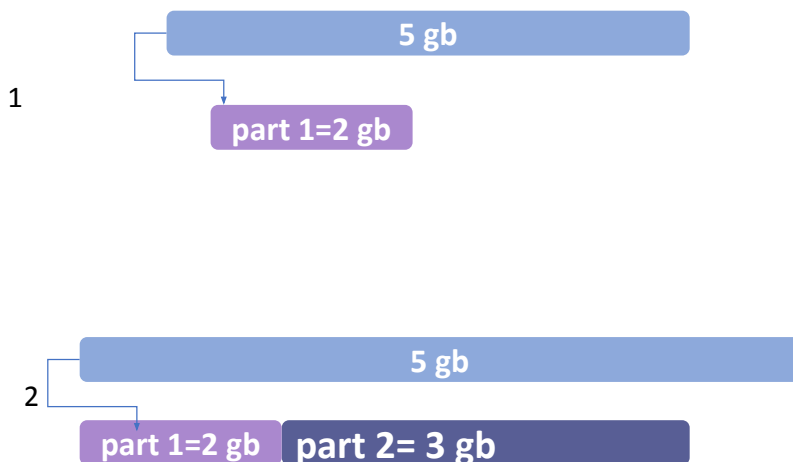
Resizing



- Save your data?

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

Attach new volume and make Partition



Make Partition

1 umount if it is mounted ☒

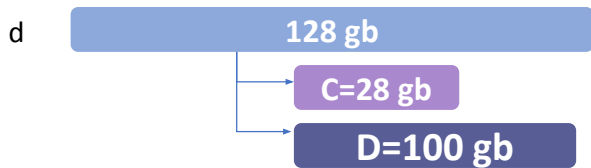
2 Make partition

3 Format the partition

4 mount partition



Attach new volume and make Partition

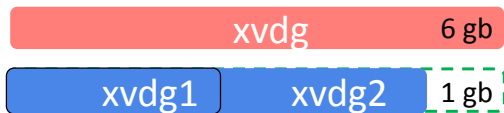


Partition Resizing add. volume



Modify from console
from 5 to 6 gb

Lsblk

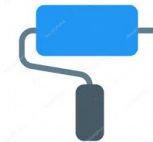


`sudo growpart /dev/xvdg 2`

Lsblk

!!!!!!!
g space 2

Equal the **size** of **xvdg2** to **xvdg**



df -h



`sudo resize2fs /dev/xvdg2`

df -h

Equal the **format** of **xvdg2** to **xvdg**

Partition Resizing **root** volume

Modify from console
from 8 to 12 gb

Lsblk



sudo growpart /dev/xvda 1

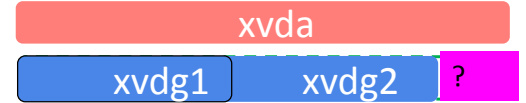
Lsblk

Equal the **size** of **xvda1**



!!!!!!!
a space 1

df -h



sudo xfs_growfs /dev/xvda1

df -h

Equal the **format** of **xvda1**



universally unique identifier

<u><device></u>	<u><dir></u>	<u><type></u>	<u><options></u>	<u><dump></u>	<u><fsck></u>
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.