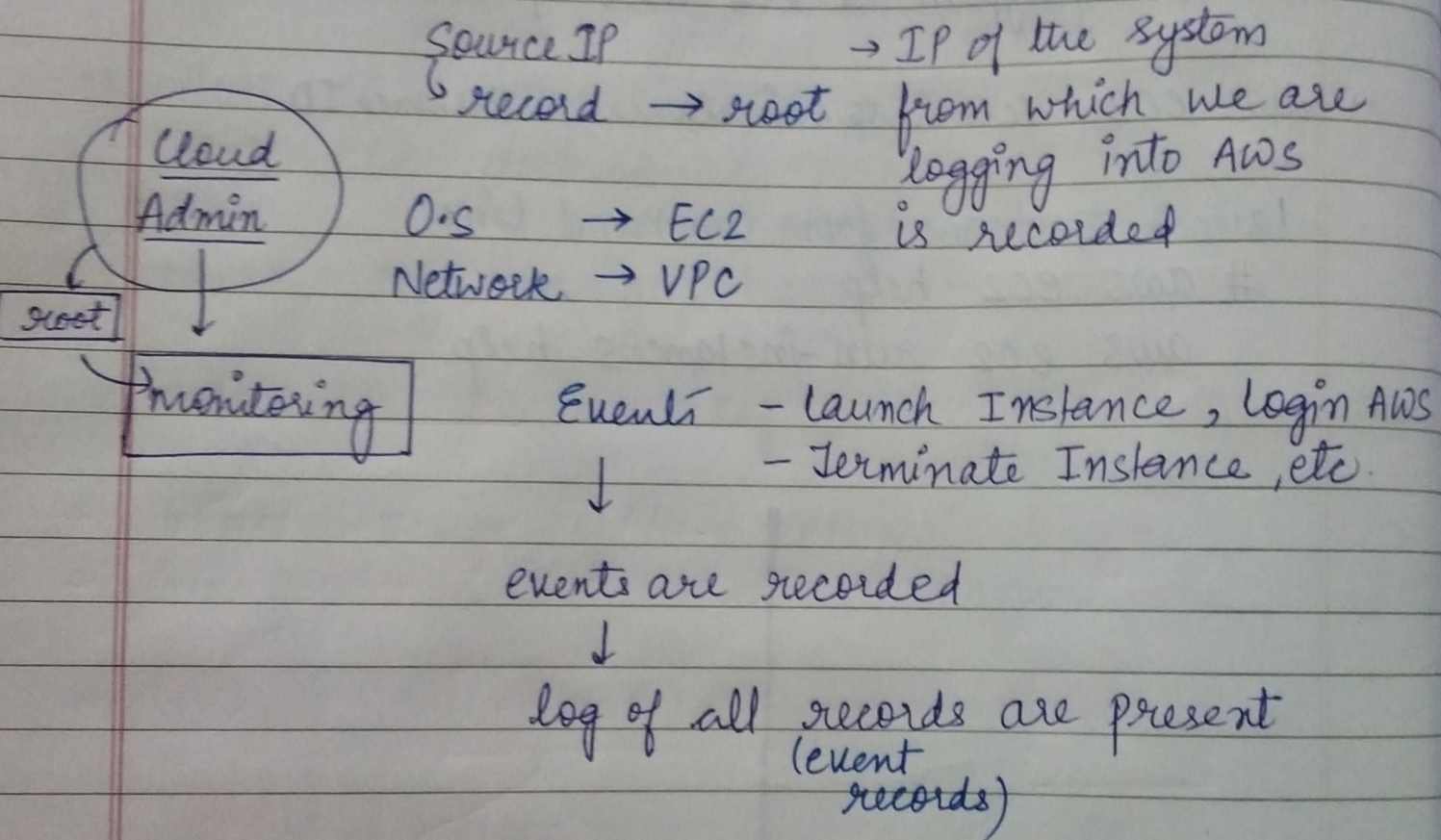
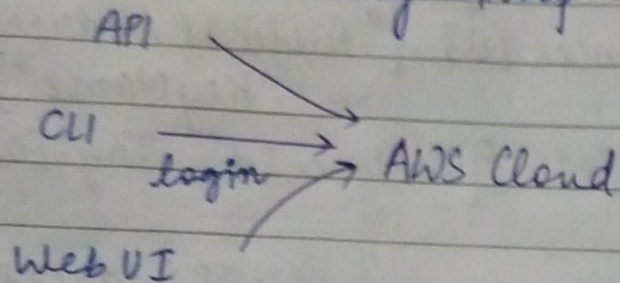


## DAY-3

S3, EC2, Cloud Trail,  
↓  
EBS/Security Group.



▶ Cloud Trail → All the event logs (records) are present in here so, you can keep a check.

→ Present in Management and Governance.

→ Takes about 15 mins to update logs.



Username - attribute  
value - root

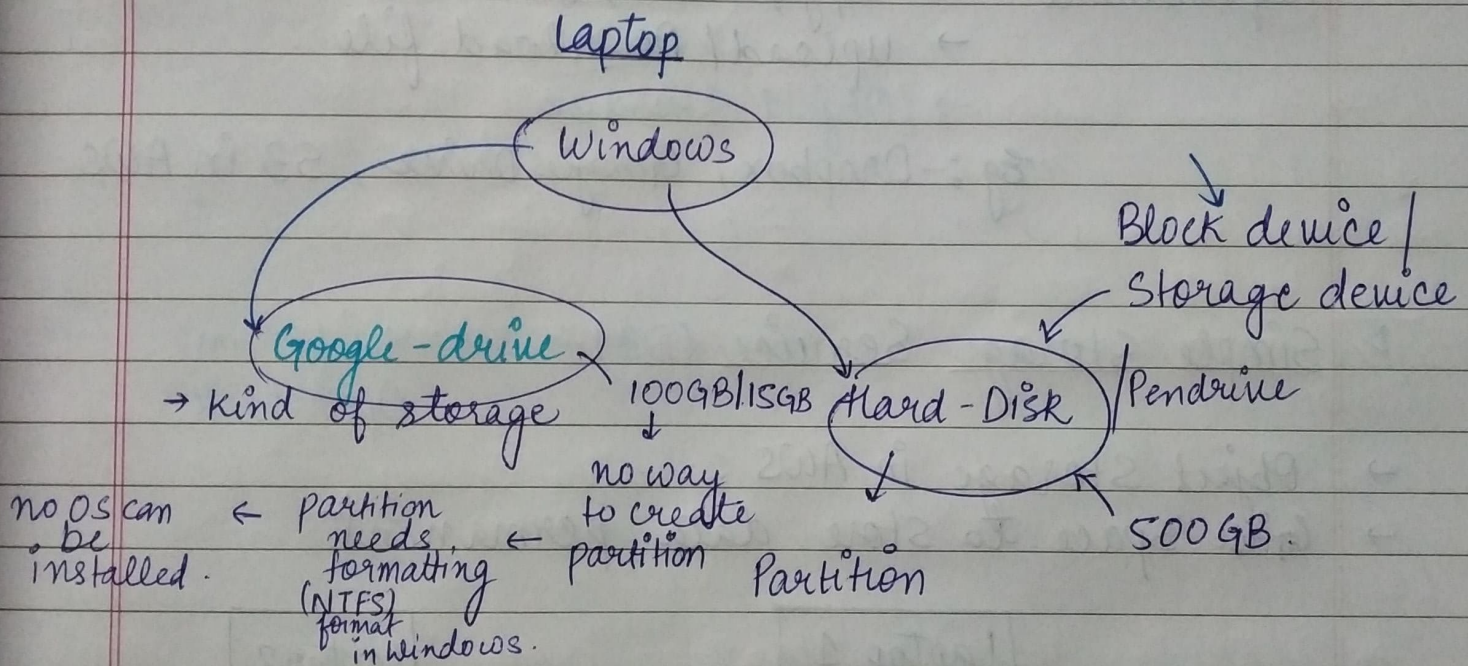
classmate

Date \_\_\_\_\_  
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- We can keep a check on activities done by root account and IAM accounts.  
view event } to get full details

## ▷ AWS cloudtrail lookup - events

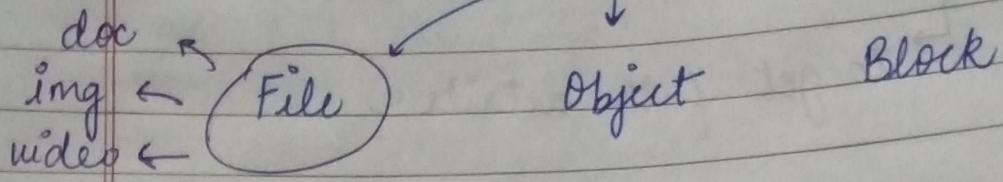
aws cloudtrail lookup - events --query "Events[0]"



- If you have Block device we can create partitions where you can install OS.
- Google Drive is a type of Object Storage where you can't have any partition so as to install O.S.  
It's an Object Storage.



## Storage (Types:-)



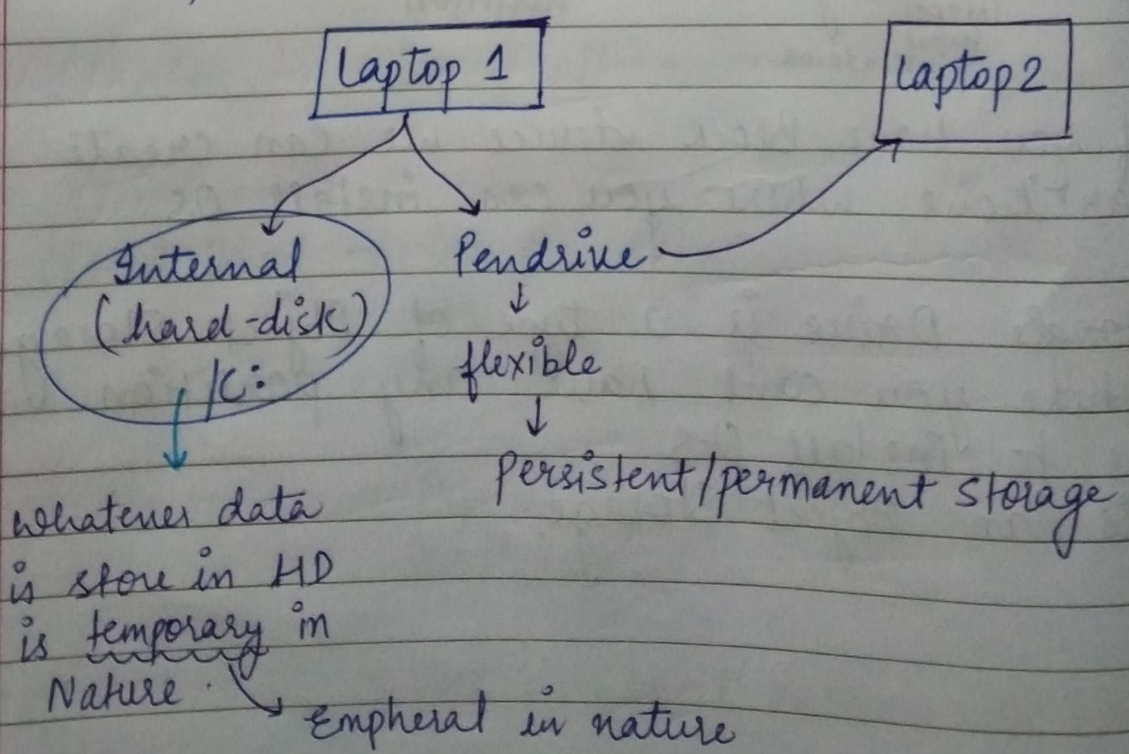
Requirement - Create Partition to install OS.  
 → Block Storage  
 Eg:- EBS.

Requirement → Copy, Paste, Edit the Document  
 → Upload/Download file.  
 → Object Storage  
 Eg:- Dropbox, Google Drive, S3 in AWS

## ▷ Simple Storage Service (S3)

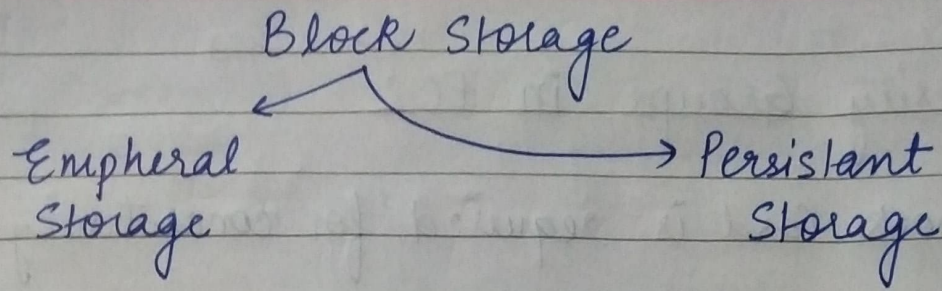
Shift in Openstack

- Object Storage in AWS.
- Give space to store data permanent





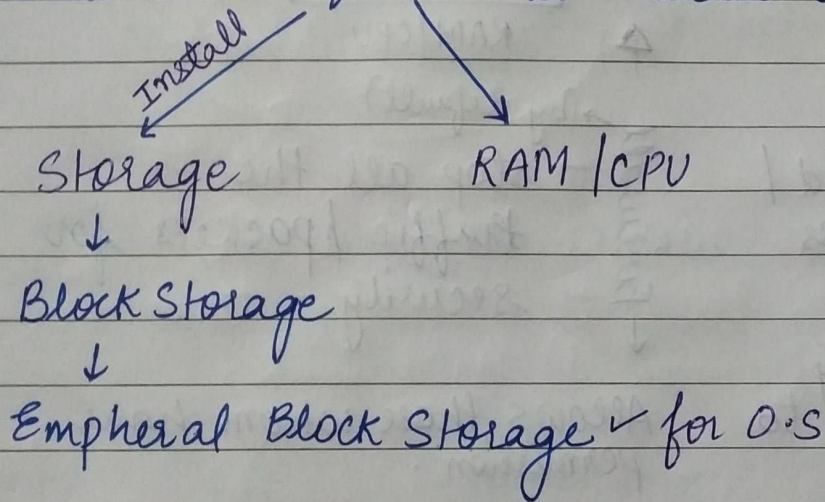
(By default) nature can be changed.



If we terminate OS  
data is removed.

Terminating OS wont  
affect data

▷ What is required to install O.S?



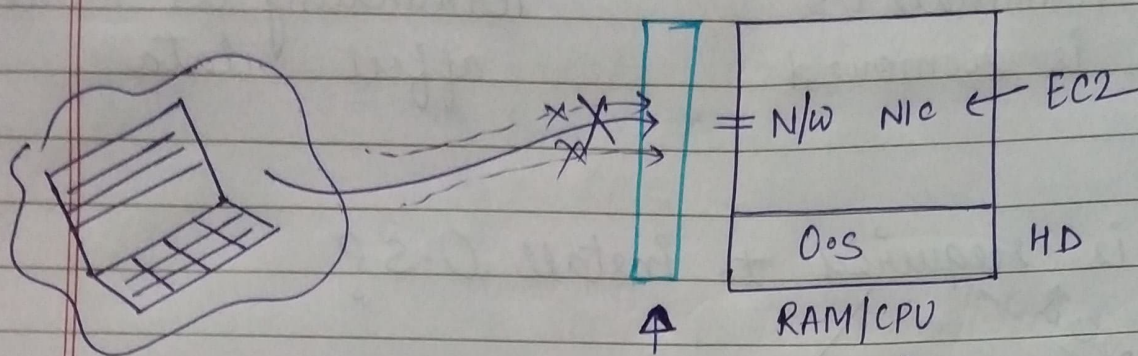
Root Disk - by default (can change it)  
Are Temporary in nature (empheral)

→ aws ec2 describe-volumes



## ▷ Security Groups in EC2

Network Card is required for connectivity.



↓  
We have to give  
Rule to tell Security  
Group whom we have to  
allow

inbound /  
ingress

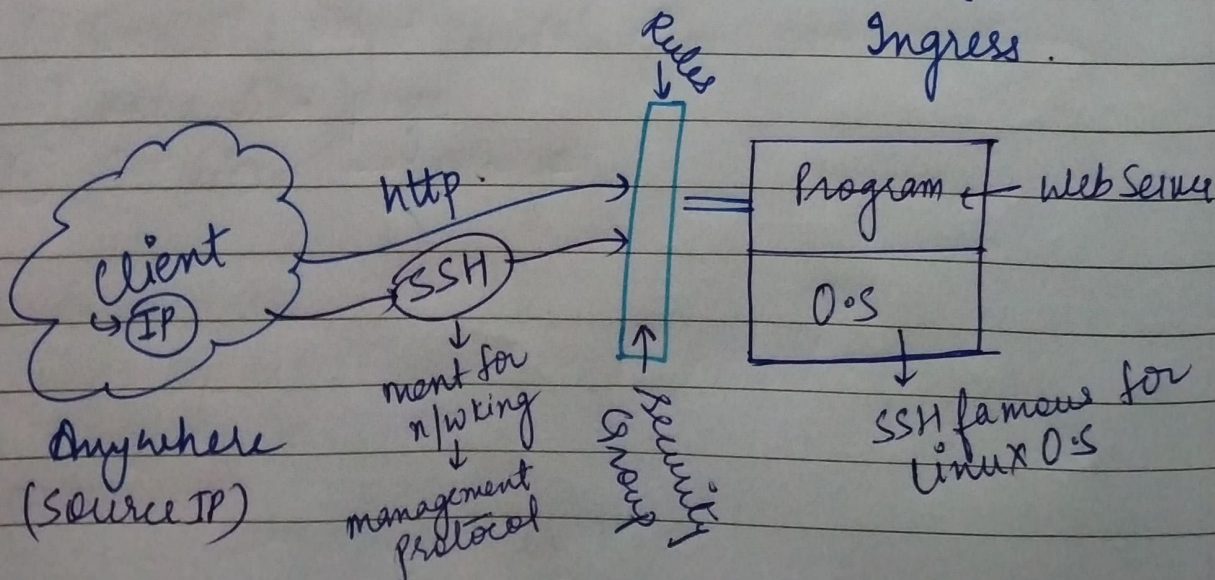
Firewall (by default)  
→ stop all the  
traffic / packets for  
security.

Allows those whom have  
permission.

Firewall is same as Security Group in  
AWS.

→ AddRule to allow traffic from source as desired

Client want to come in → Inbound /  
Ingress.





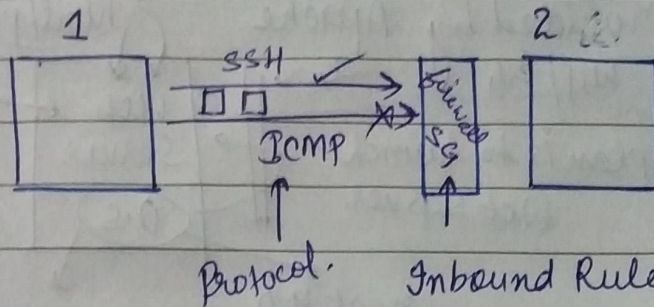
0.0.0.0/0 ← represents any IP in the World.

classmate

Date

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→ ping works on ICMP.



→ firewall needs to allow ping to ping IP (Allow All ICMP IPv4)

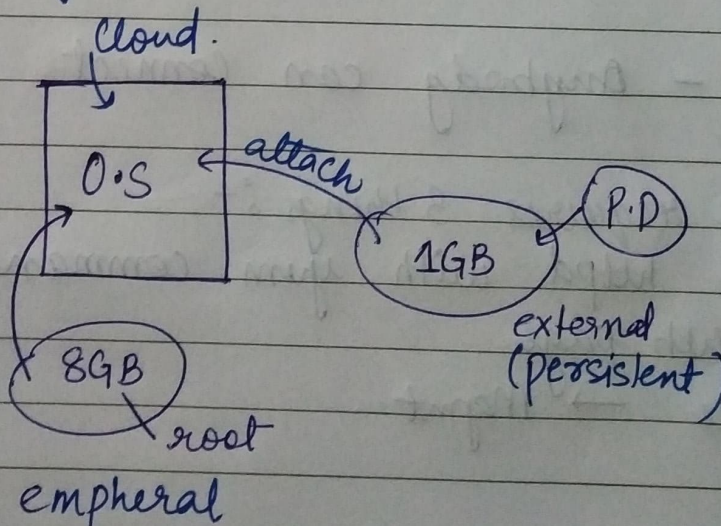
• ssh command/program/protocol  
↓  
for management

doesn't allow the specific protocol.  
then it won't allow the packet to enter 2<sup>nd</sup> IP.

• fdisk -l → tells about all the hard-disks attached.

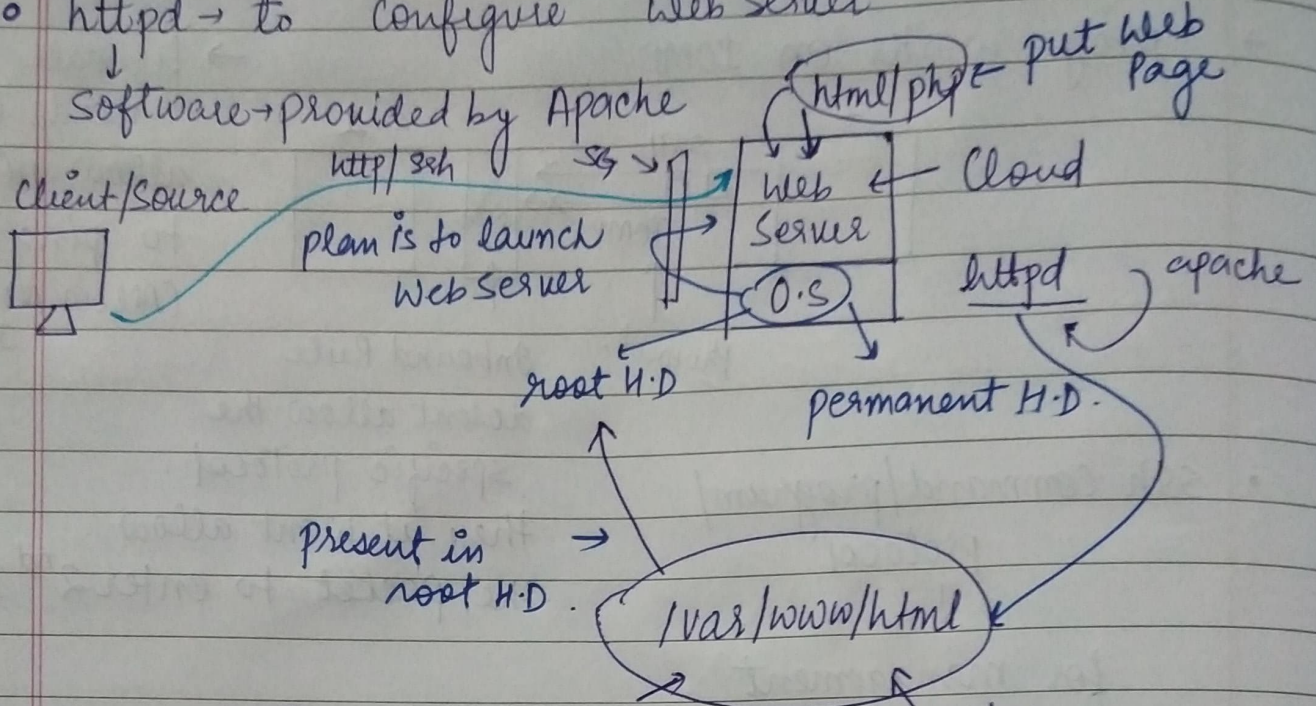
⇒ sudo su - root (to go to root)

• Create Volume → then Attach to some OS.  
Externally.





- httpd → to configure Web Server



→ If you think this is your main folder in apache web server and we don't want to lose this folder then mount it to external (permanent) Hard-Disk.

▷ `mount /dev/xvdf1 /var/www/html` → deploy.  
 ↑  
 link the pen-drive.  
 ↓  
 copy code

\* Public IP - Anybody can connect

- WebServer requires 3 things :-

- ① Install httpd with yum command
- ② Copy web page
- ③ Service → Mgmt.

▷ `systemctl restart httpd`.

- When you query something then its in json format.

- JSON . → All the results of your query comes up in JSON format.