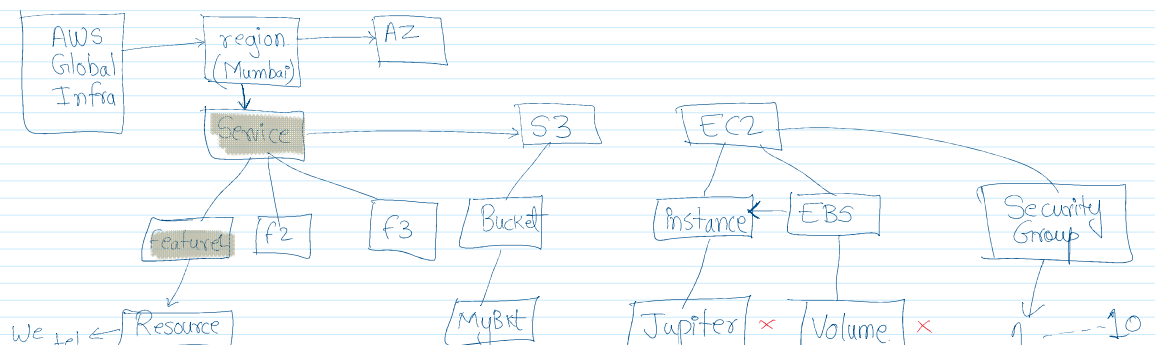
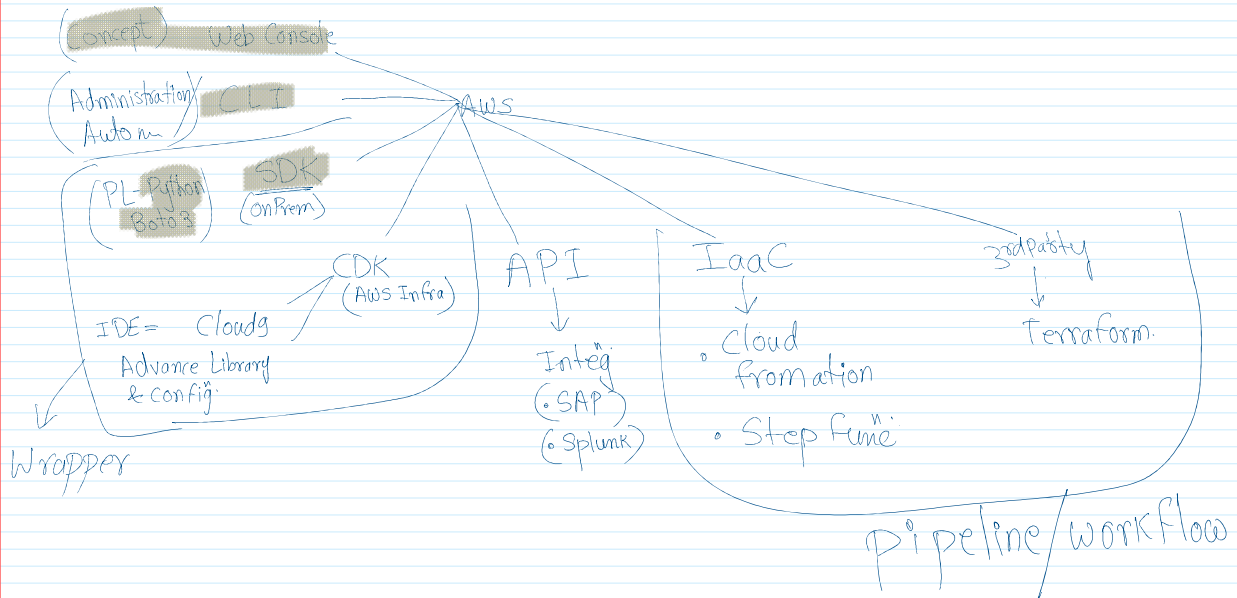
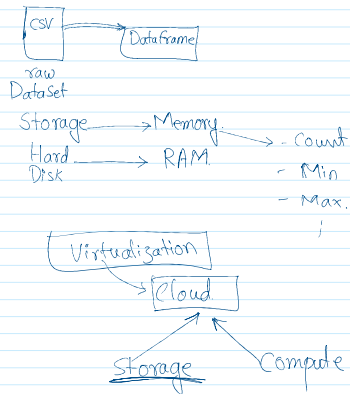
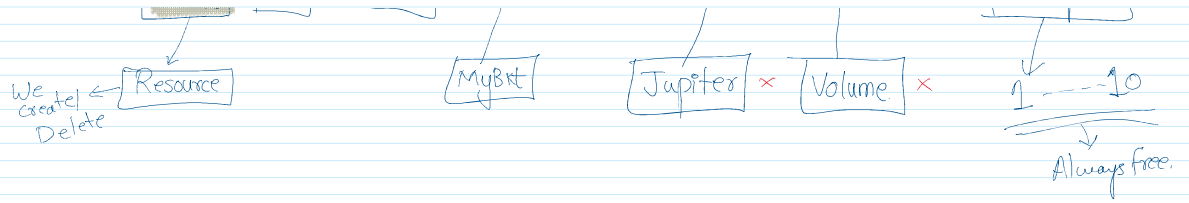


```
graph TD
    Root[ ] --- AWS[AWS]
    Root --- Azure[Azure]
```

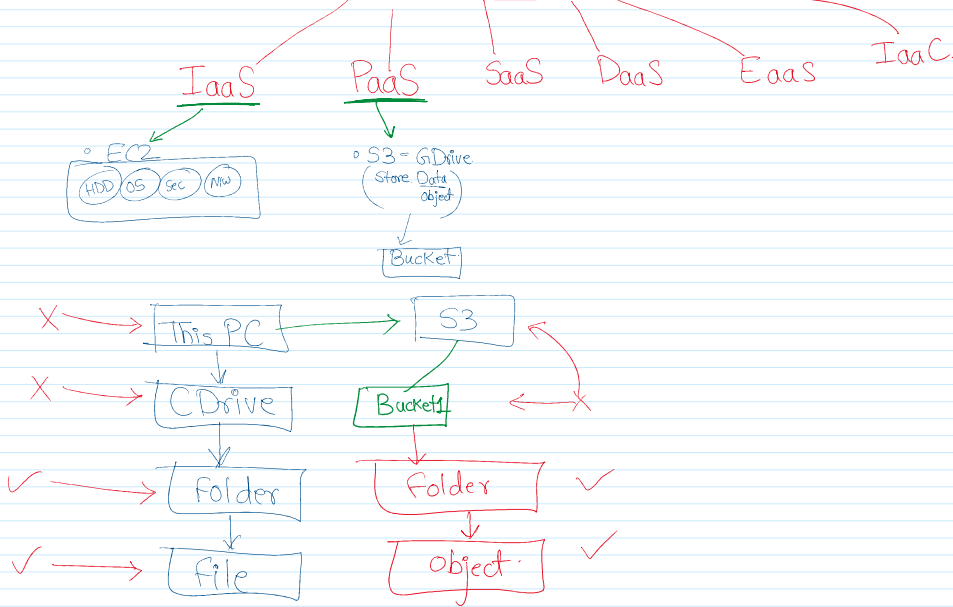
## EDA

- Perform initial investigations on data to discover patterns
- Summary Statistics & Graphical Representation
- Check for outliers, Patterns & trends in the given dataset.





## AWS Service Models

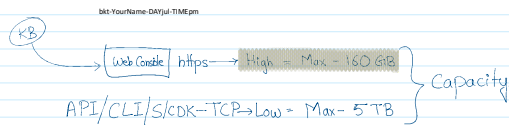


### Bucket

- Check in All AWS Account

ABC

- Small Letters



Free Tier = 5 GB Storage Limit/Month X 12

## Storage Classes

① Frequently	② Intelligence	③ Standard IA	④ 1Zone IA	⑤ Glacier	⑥ Deep Archiver Glacier
• Standard	• Unknown Pattern of Data				• \$ 0.0000 99/GB
• Default	• \$ 0.025/GB				• 1 hour
• Fastest	• ≥ 3 AZ				• Cheapest
• Costly	• Min Storage duration				• Long term
• \$ 0.0210/GB					

- \$0.0210/GB
- Min Storage duration

Replica's =

- $\geq 3$  AZ
- Safest

- Long term Archival

Compliance.

### 53 URI = Unified Resource Identifier.

protocol  $\rightarrow$  S3:// Bucket Name/ ObjectName.

AWS service. → ARN = Amazon Resource Name.

REST API Call's

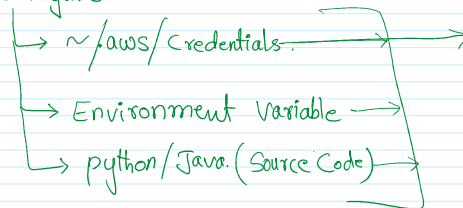
Object URL  
`https://BN.Reg.amazonaws.com/ObjName.`

### \* CLI/SDK Interaction.

1] Generate AK & SAK

AK: AKIAWSIZRWOYVYZJUWX  
SAK: rjmmt3eikGeTPa5gtgSGtlcE4BxW7lPhrTU3N26

## 2] Configure.



### 3] Test.

~ / • aws /

Config = Default values (Output type  $\begin{cases} \text{Text} \\ \text{Table} \\ \text{Json} \end{cases}$ ) default region =  $\infty$

Credentials =

AK = ---  
SAK = ---

[profile]

AK = ---  
SAK = ---

```
Windows:
C:\Users\NEL007\aws>aws s3 ^
More? cp s3://bkt-mujahed-21jul-0941pm/TestReport.csv ^
More? s3://bkt-mujahed-21jul-0941pm/TestReport-CU.csv ^
More? --profile inc
```

```
Linux
root@localhost:~# aws s3 \
More? cp s3://bkt-mujahed-21jul-0941pm/TestReport.csv \
More? s3://bkt-mujahed-21jul-0941pm/TestReport-CU.csv \
More? --profile inc
```

## Virtual Environment

- ① Package → Scope.  
boto3 → Activate
- ② Boto3 → SDK(Python)

\$ pip show virtualenv Installed

✓X \$ virtualenv --version Accessible.

↳ ✓ \$ python -m virtualenv

Activate  
├── Unix / Linux / Mac  
└── window  
    > .envCloudDE\Scripts\activate

source .envCloudDE\bin\activate.

\$ pip install boto3

Folder → .gitignore → X

Repo → .git/info/exclude → X

Global → ~/.git/  
          ~/\_  
          % Appdata%

• git  
• VScode

## Boto3 Package

- Create, Configure & Manage AWS Services.

