

EC2 (AMAZON ELASTIC COMPUTE CLOUD)

1. VIRTUAL MACHINE IN CLOUD
2. IT ALLOWS US TO DEPLOY OUR OWN SERVERS IN CLOUD
3. ON PREMISES
4. OS-LEVEL CONTROL/ HARDWARE AND ALSO IT UPGRADES TO THE UPDATES RELATED TO HARDWARE AND OS

SNOWBALL (SMALL APPLICATION)

TRANSFER TERABYTES OF DATA INSIDE AND OUTSIDE OF AWS ENV

Create job (transferring data)-> connect to snowball -> copy the data to snowball -> S3 (OBJECT STORAGE)

CLOUDWATCH

AWS ENVIRONMENT => RDS+EC2+s3+ CPU UTILIZATION

IT WILL ALSO TRIGGER ALARMS DEPENDING UPON VARIOUS METRICS

ELASTIC TRANSCODER

1. IT IS AN AWS TOOL
2. CHANGING VIDEO'S FORMAT (RESOLUTION)

VPC (VIRTUAL PRIVATE CLOUD)

NETWORKING CONFIG

ADMIN = HR, SALES, DEVELOPMENT (ACCESS)

ISOLATION OF CLOUD

IP PRIVATE ADDRESS (:8000, :8345)

INTERNET GATEWAYS (PRIVATE) + SECURITY GROUPS

AMAZON S3 (OBJECT STORAGE)

AMAZON S3 STANDARD

INFREQUENT ACCESS

AMAZON S3 REDUCED REDUNDANT STORAGE

AMAZON GLACIER

Instance : moderate baseline performance, can go to higher performance too inside aws env/workload

T2

T3

key-Pairs : secure login information

User id

Password

Transaction id

Product id

Product price

CRYPTOGRAPHY

CONNECT TO INSTANCE -> PUBLIC KEY + PRIVATE KEY

ABC -> YZD

DIFFERENT TYPES OF CLOUD (BROADER)

PUBLIC, PRIVATE, HYBRID

HIERARCHY OF CLOUD

SAAS, DAAS, PAAS, IAAS

SAAS : GMAIL, SLACK, SALESFORCE, DROPBOX

DAAS : Xignite, urban mapping

**Paas : Microsoft 365 -> outlook, ms team
Zendesk, ACUDOGSIGN**

IAAS : AWS, MICROSOFT AZURE, DIGITAL OCEAN, EC2

Idaas : authentication purpose

**Faas : maintaining, running and deploying microservices of
applications**

