Key points :

→ Regions are geographically isolated areas.

→ Regions contain Availability Zones.

→ Edge locations Run Amazon cloud front

API : Application programming Interface

Provision, Configure, & manage AWS Resource.

Aws management Console

It is browser based.

→ Test environment

→ View Aws bills

→ View monitoring

→ work with non-technical Resources

Aws Command Line Interface (CLI) :

Make API calls using terminal on your machine

Aws ElasticBeanstalk:

→ Elastic Beanstalk deploys the Resources necessary to perform the following tasks

1) Adjust Capacity

2) Load balancing

3) Automatic Scaling

4) Application health monitoring

Amazon Virtual private cloud (Amazon VPC)

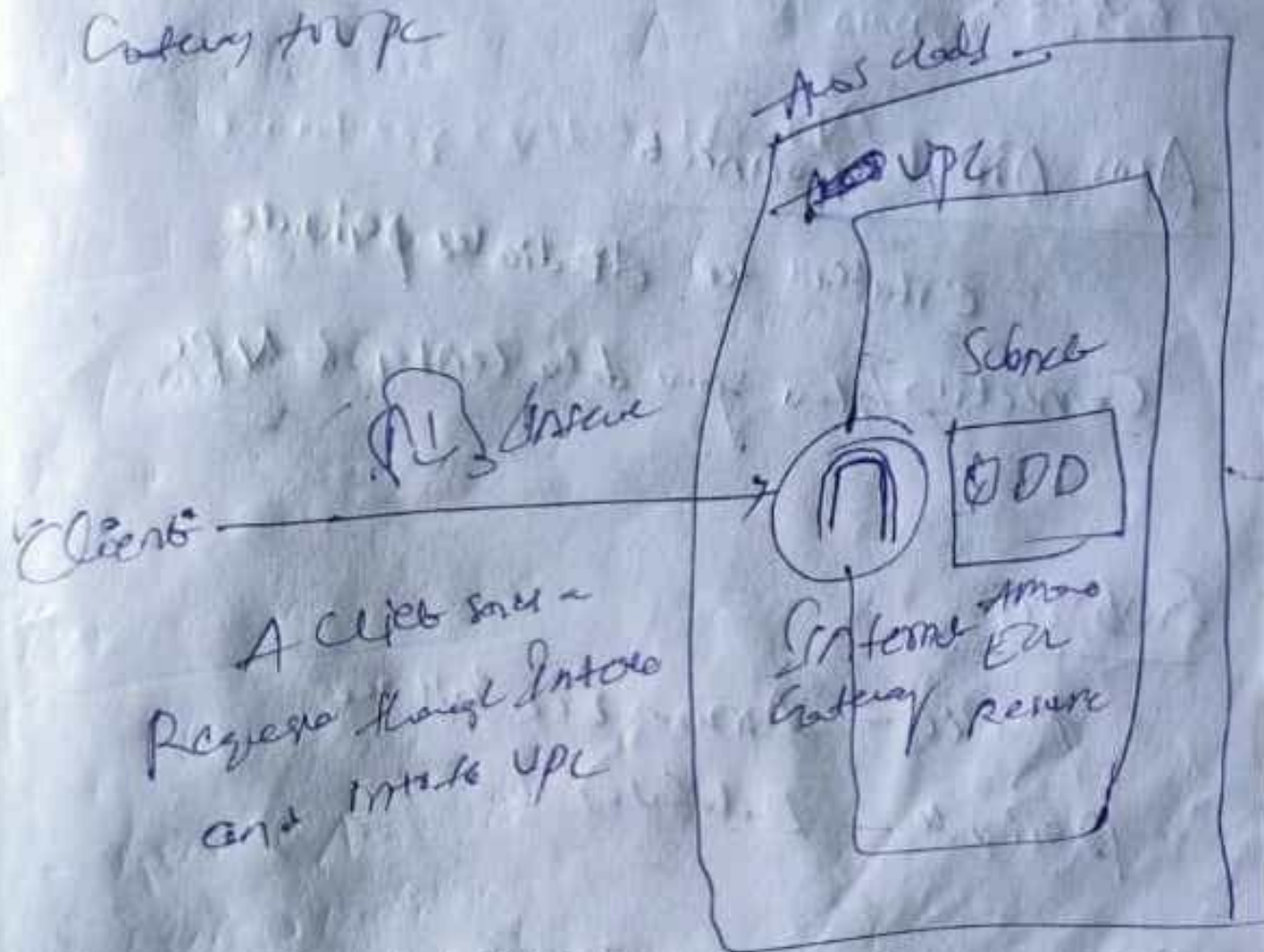→ A networking service that you can use to establish boundaries around your Aws Resources

→ within a VPC, you can organise your Resources into subnets.

→ A subnet is a section of VPC that can contain Resources such as Amazon EC2 instances.

Internet Gateway: Connection b/w Internet & VPC

It allow public traffic from the internet to access your VPC, you attaching Internet Gateway to VPC

Client —————→

A Client sends a Request through Internet and inside VPC

AWS cloud

VPC

Subnet

ODD

Internet Gateway

Amazon EC2 instance

Virtual private Gateway:

→ Used to access private Resources inside a VPC.

A virtual gateway enables you to establish a virtual point-to-network (VPN) connection b/w your VPC & on-premises or private N/w.

Aws Direct Connect

establish the dedicated private connection b/w your data centre & VPC

Subnets

public — Amazon Ec2 instance

private — Database.

Network access control list (NAci's)

A network Acl's is a virtual firewall that controls inbound & outbound traffic at the subnet level

Security Groups:

— A S.G is a virtual firewall that controls inbound & outbound traffic for a Amazon EC2 instance

Instance Store:

Block-level storage volumes behave like physical hard drives.

→ Temporary Block-level storage for Amazon EC2 instance.

— Amazon S3 ———— ⑧ object-level storage

Maximum file size is 5TB

Amazon EBS → single zone

Amazon EFS — multiple AZ

Amazon Aura:

5 x mysql sql
3 x postgre sql

Amazon Dynamo DB:

NO sql or non relational
Database.