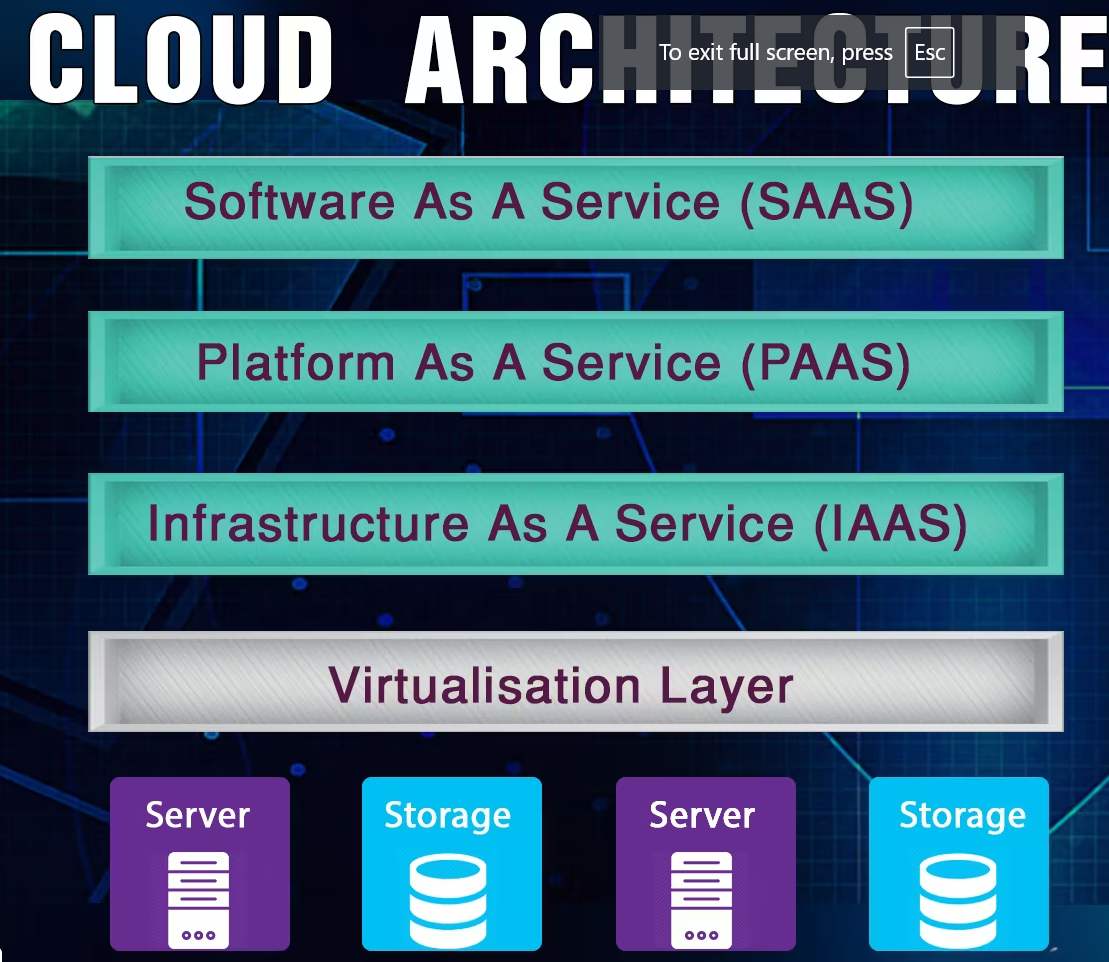
**Aws recording Session (Edyoda )---🡺**



Ex.

**SAAS** 🡪 ex .Gmail, UTUBE

**PAAS** 🡪deployed database, CRM, salesforce and more

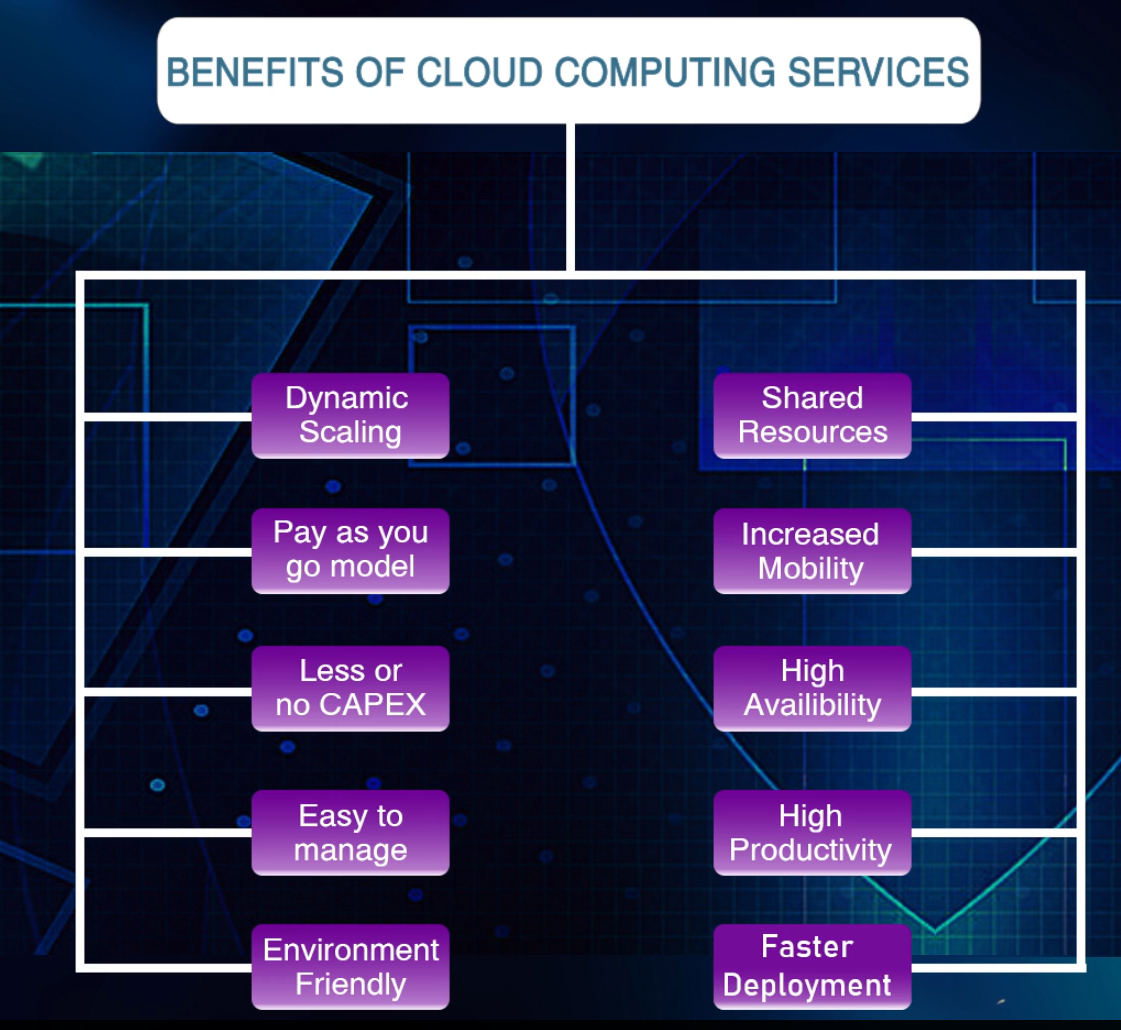
**IAAS** 🡪

**AWS cloud Data centers/ provider all over the Globe**🡪(pick nearest cloud service provider)

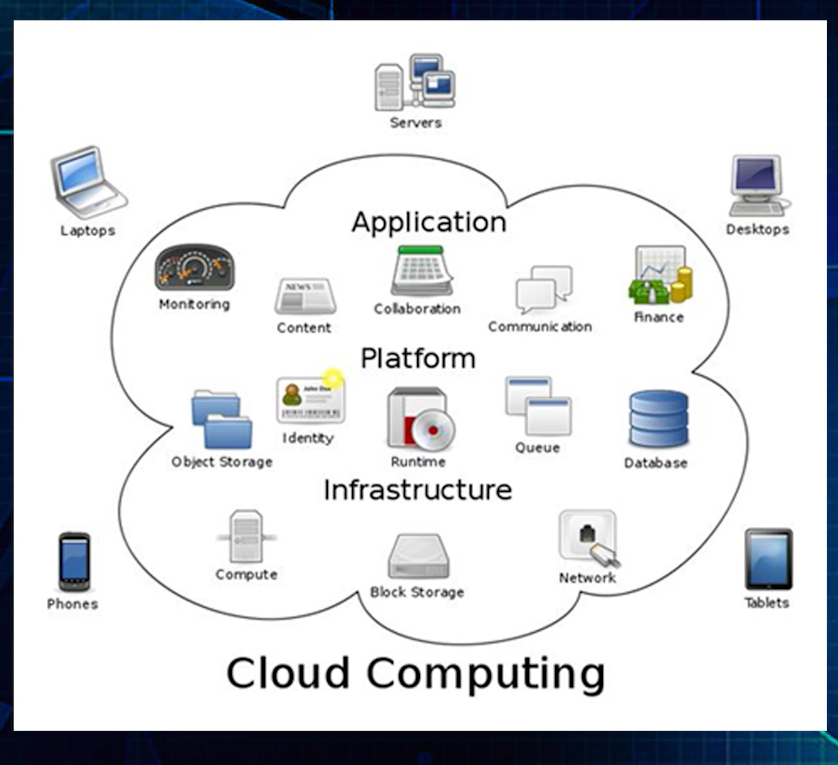
In India🡪 **Mumbai** and Hyderabad

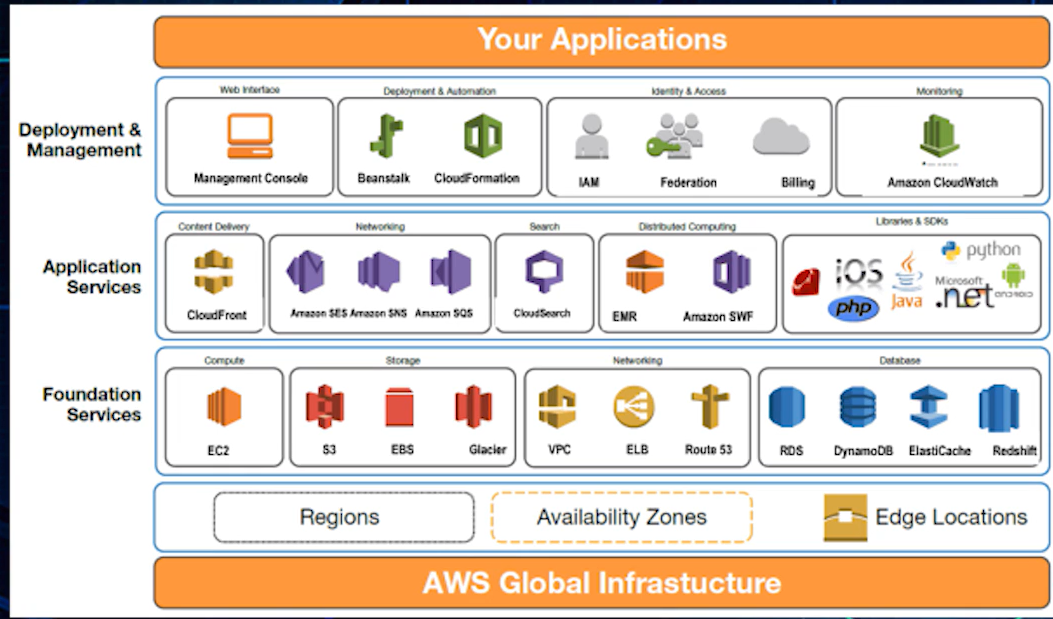
For better performance, should select Mumbai region

**Virtualization layer** 🡪provide resource management, security layer



**Introduction of AWS🡪**





**How to create free tier account🡪**

Find out free services🡪 <https://aws.amazon.com/free>

Step1: open <https://aws.amazon.com>

Step2: Enter all detail required details

Step3: Select basic free plan

Step4: sign in to the console

Step5: Select Mumbai region

**AWS Global Infrastructure**=🡺

**Region and availability zone**🡪multiple zone worldwide. Each zone is isolated but availability zones a region are connected through **Low Latency Links.**

**Mumbai have 2 availability zone.**

**#Edge Location and Edge Cache:**

Amazon cloud front employs a global network of edge locations.

**AWS DATA Services**🡺

1. S3
2. EFS
3. Glaciers
4. Storage Gateway

S3 instance**🡪( Simple Storage Services)**

S3 Basics

1. S3 is safe place to store files
2. Its object-based storage
3. This data spread across multiple devices & facilities
4. S3 is object based i.e. allow you upload files
5. File size can be from 0 Byte to 5 TB
6. There is unlimited storage
7. Files are stores in buckets
8. S3 bucket should have universal name that must be unique globally

Ex. https://s3-eu-west-1.amazonaws.com/ashishpandeyfirstbucket

9. when you upload files -HTTP 200 OK status

10.S3 provide -developer & IT Team secure, durable, high-scalable object storage

11. amazon S3 is easy to use with simple web service interface to store & retrieve any amount of data from anywhere on web.

**S3 Features:**

1.Durability & availability

2.Tiered Storage Available

3.Lifecycle Management

4.Versioning,

5.Encryption

6.Secure your data using access-control List & bucket policies

**Account >> Bucket >> Object >> PUT operation**

**A diagram of a bucket

Description automatically generated**