**Cloud computing**

Cloud computing mainly help us to run the any resources like database, tool, server etc on network environment.

Cloud provider runs 2 types services

1. Deployment model : deployment model defines the type of access to the cloud. 4 types
   1. Public cloud : any type of user can create the account.
   2. Private cloud : this type of cloud can access within organization.
   3. Hybrid cloud : combination of public and private cloud.
   4. Community cloud : open source technologies. Support this type of cloud by more than one organization.
2. Service models : service model defines base upon type of service they provide.
   1. IaaS : infrastructure as a service : hardware and software to deploy the application or run the application or run server.
   2. SaaS : Software as a service: they provide complete build software to use the application.
   3. PaaS : platform as a service : : they provide us platform to deploy the application.

AWS

Azure

Google Cloud

AWS S3 : Amazon Web Service Simple Storage Service : it help to share any of data with any size with high secure environment.

AWS EC2 Instance : Amazon Web Service Elastic Compute Cloud :

AWS provide EC2 instance which help to create Virtual Server Machine.

While creating EC2 instance we can confiture

OS details

RAM size

Memory (storage)

This machine contains public as well as private Ip Address.

We can this machine using browser base or command base etc.

Then we need to install required software like git, java, maven, Jenkin, Docker, Docker compose, mysql etc.

In EC2 instance install java

**sudo yum install java-17**

to download jar file from s3 bucket

**wget URL**