**AMAZON WEB SERVICE:**

* It is one of the most popular clouds among the all cloud providers.AWS is developed by amazon .
* It will span across multiple geographical regions in the world.
* It offers multiple services like computing,storage,networking,database, monitoring,migration,infrastructure management etc.

**REGION:**

Region is a separated geographical area or location.Which consists of multiple availability zones because high availability,security and low latency of applications.

Example:

Mumbai is a region in india

**AVAILABILITY ZONE:**

Az is a isolated group of data centers.These are actual physical data centers which are having multiple servers.

Example:

In Mumbai region ap-south 1a,ap-south 1b,ap-south 1c are the availability zones.

**EC2 Instance:**

* Instance is also called as virtual machine or server.Elastic compute cloud(ec2) is a one of the service in AWS.
* We can choose AMI,Instance family type,Key pair,Security group,VPC while creating the EC2 Instance.
* We can connect the Ec2 instance by using “Putty”.
* If we connect the ec2 instance through putty we must have ppk file of key pair.

**AMAZON MACHINE IMAGE:**

AMI is consists of software configurations such as operating system,software packages,application servers,template to launch the ec2 instance.

**KEY PAIR:**

* It is used to connect the ec2 instance securely.
* We can select the pem or ppk file while creating the key pair.

**Private Instance:**

* We can disable the public i.p while creating the instance.
* We can access the private instance from public instance(bastion host) by using ssh client.

**AMI:**

Customized AMI is used for backup of ec2 instance if instance is terminated or crashed accidentally.