**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.**