→ once EC2 is out of service then the ELB will not send request to the EC2.

→ There is no Public IP address for Load Balancer. There is only domain name for ELB's because IP's may change.

→ ELB → Inservice
→ out of service.

→ CloudWatch :

CPU - credit Balance
Credit usage
Utilization

Disk - read Bytes
write Bytes
ReadOPS
WriteOPS

Network - In
Out
PacketsIn
Packetsout

StatusCheck - failed
Failed Instance
Failed_system.

→ Dashboards
→ Alarms - set threshold to notify
→ Events - helps you to respond to state changes
→ Logs

→ Cloud Watch - Monitoring

Cloud Trail - Auditing all AWS resources

→ Roles are used to give access to one AWS service with other.

→ while copying S3 objects from one region to another, the region flag must be used.

→ Bash Script is Present while we are Creating an EC2 instance.

→ Curl http://169.254.169.254/latest/meta-data ①

② /user-data → we get the bootstrap script which was added earlier.

Auto Scaling

→ Launch Configuration

→ AutoScales

→ ELB is required or EC2 to know which one is down.

Placement Group

1) Clustered - More Instances in Single AZs Latency

2) Spread - has distinct underlying hardware
- More than AZ

⇒ Name of Placement group is unique within AWS account

→ only certain instances can be launched as Placement or clustered group

1) C, GPU, Memory, Storage

⇒ Cannot merge placement groups

⇒ we cannot move existing instance into a Placant group but can do by a AMI Snapshot.

Elastic File System

⇒ file storage service for Ec2 instances

⇒ It's Elastic, grows and shrinks automatically

⇒ Data is stored in multiple AZ's

⇒ Block based storage not object based

⇒ RAW

⇒ Centralized repository for more than one Ec2 servers.

⇒ restricted access on file level and directory level