1.AMI is the amazon machine image which provides you the required details for launch instance like what type of OS you need, what software we have to install in it

EC2 instance is virtual server for running application on the aws infrastructure

2.General purpose ssd(gp2) 🡪 1 GIB to 16 Tib

Provisioned IOPS SSD(io1) 🡪 4 GiB To 16 TiB

Throughput optimized HDD(st1) 🡪 500 GiB To 16 TiB

Cold HDD (sc1) 🡪 500 GiB To 16 TiB

3. ssh -i "yogesh\_MUM.pem" ec2-user@ec2-13-232-148-173.ap-south-1.compute.amazonaws.com

4. Scalability is a long term design choice.

Elasticity is a short term ability to handle load.

Scalability is the ability of a system to handle the increased load on its current hardware and software resources

Elasticity is the ability of a system to increase the workload by increasing the hardware/software resources dynamically.

**Network Load Balancer** — This is the distribution of traffic based on network variables, such as IP address and destination ports

**Application Load Balancer** — This is the distribution of requests based on multiple variables, from the network layer to the application layer.

The first difference is that the Application Load Balancer (as the name implies) works at the Application Layer (Layer 7 of the OSI model). The network load balancer works at layers 3 & 4 (network and transport layers).