**LOAD BALANCER**

**4 types of load balancer :**

1) Classic LB 🡺 A classic load balancer distributes incoming network traffic across multiple servers or computing resources to ensure efficient utilization and prevent overloading of a single server.

2) Application LB 🡺 An Application Load Balancer (ALB) directs incoming web traffic to different target instances based on content and routing rules, optimizing the distribution of requests within a cloud environment.

3) Network LB 🡺 A Network Load Balancer (NLB) efficiently distributes incoming network traffic across multiple servers at the transport layer, providing high availability and low-latency routing within a cloud infrastructure.

4) Gateway LB 🡺 A Gateway Load Balancer (GWLB) is a scalable and fully-managed load balancing service in the cloud that operates at the network layer, directing traffic across multiple virtual networks and instances based on defined routing policies.

**Application Load Balancer :**

**1) HTTP Based Traffic :**

**A diagram of a computer application

Description automatically generated**

**2) Query Strings/Parameters Routing :**

**A diagram of a computer network

Description automatically generated**