**Amazon Virtual Private Cloud (VPC)**

Amazon VPC is your own private network inside Amazon’s cloud infrastructure. It is an alternative to maintaining your own data centre and is cheaper

We can complete control over your virtual networking environment, including a selection of your IP address range, the creation of subnets, and configuration of route tables and network gateways

**Reign:** nothing but location, like in India Mumbai.

**Availability zones:** always maintains two zone and both are communication each other’s. for back up mainly maintains two or more availability zones.

**Elastic Load Balancing**

Elastic Load Balancing (ELB) automatically distributes incoming application traffic across multiple EC2 instances, in multiple Availability Zones.

Availability zones are basically places where amazon has set up their servers. Since they have customers from the whole globe, they have set up multiple Availability zones to reduce the latency.