1. **Virtual Private Network**

Our own isolated network on cloud.

**VPC**

* CIDR Block – 10.1.1.0/24🡸== Network mask
* 1st three bytes are network address/id and last byte is host address/id
* 5 ips are reserved by aws for routing
* Router for routing packets over networks and within VPC.
* Router table contains information about ips and routing.
* Internet gateway used to communicate over internet.
* When you create account by default aws create default VPC for each region and default subnet for each availability zones.

Default VPC

Security group

VPC

CIDR- 172.31.0.0/16 Route table

n/w access control list

AZ1

AZ2

Internet

Internet gateway

AZ3