* ***Networking***
* *it is of two types Fault tolerant and high availability*
* *Fault Tolerant :it will not tolerate a small fault . let we take two severs A and B .if the availability wants A server instead of B then it will double the A .*
* *High Availability :My server provision infrastructure all the time .For example we have two servers A and B if the available is high and A server goes down then all availability goes to B but the difference will be in A and B, B Block will give result 75% and A will give 100 % and A block cost is also more than B block .*
* *Virtual Private Cloud (VPC):it is an isolated network on which you built your infra land scape .*
* *AWS has 18 regions in which 2 are government regions and remaining 16 regions and AWS has 192 countries .*
* *One region has certain availability zones*
* *Every region must should have two availability zones*
* *Totally we have 44 availability zones .*
* *In general we have two china regions*
* *They have rule as they will not allow another region to connect .*
* *Availability Zone ‘s: An availability zone is a cluster of DC’s .*
* *Load Balancer(LB):the LB balance if A server goes down then it go to B server .*
* *Latency :turn around time to connect from server to client.*
* *.Turn around time :The time taken to raise a query from customer to server is TAT.*
* *Now we have a diagram as*
* *First in large server is AWS container and in that regions in that avaliblity zone’s in that it is virtual public cloud and it is subdivided into sub networks in that it is divided by two public and private (internet access).*
* *Public : it have access internet to all .*
* *Private : it have access internet to own server .*
* *In public we have webserver .*
* *In private we have network and database .*
* *Firewall : it allows certain limitations and restricts for some rule .*
* *Fail Over : it used when a server goes down then it will route to another server .*
* *Any no of servers we can install in avaliblity zone .*
* *Elastic file system :it is a network file storage system service in AWS.*
* *Edge Locations: These locations which are nearly to my server . it is also known as Content Delivery Network (CDN ) and cloud front .*
* *Difference between instance and a server .*
* *Instance :When a server is brought up based on an image that internally consists of Operating system and related environment .*
* *Server :A physical server can have without an operating system .*
* *Time to Live :The page will appear for 24 hours .*