EC2 CLOUD SERVICE

EC2 stand for Elastic cloud computing

EC2 is a web service that provides resizable compute cloud service. You can scale the compute capacity up and down as per the computing requirement changes.

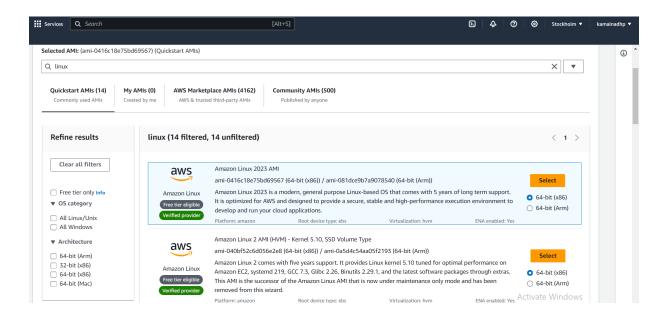
EC2 allows users to rent virtual services in the cloud commonly used to host applications, run workloads, and perform various computing tasks in the cloud.

EC2 LAUNCHING IN AWS

TO launch ec2 machine you can need to follow the aws seven steps

Go the aws consloe login the aws root

1. Choose the an aws image(os version)



2. Choose the instance type(cpu)

Select the t2 micro contain(one cpu and one virtual ram)

There are so many famlies

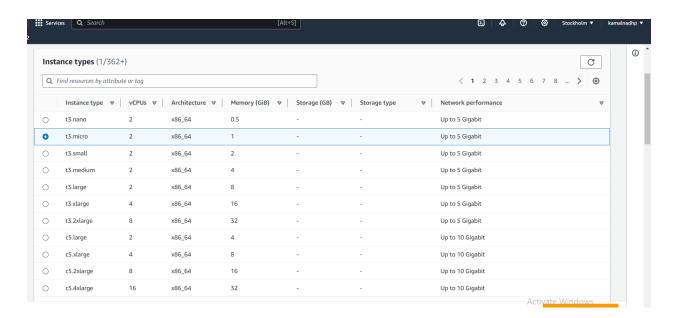
t: general purpose

C: compute purpose

M: memory purpose

R: accelerated purpose

S: storage purpose



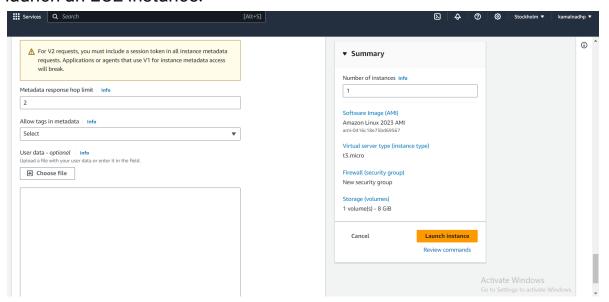
3.configure the instance type

You can create multiple instancetype

There purchasing options can be classified into three types

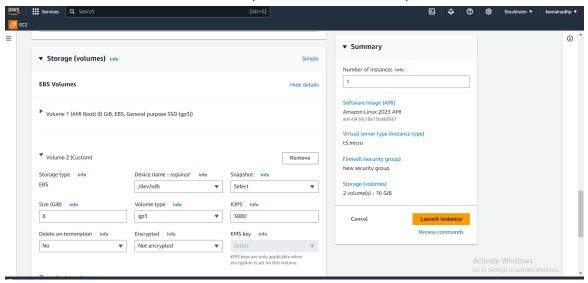
- 1.spot instance: (Temporary instance)
- 2.dedicated instance (resource are used single user)
- 3.reversed instance (resource either 1 year or 3 year) Inside text data file

User data is specified as a script or data file that is provided when you launch an EC2 instance.

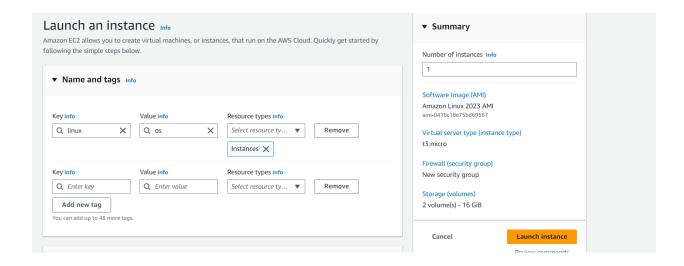


4.add the storage Default size block is 8 gb

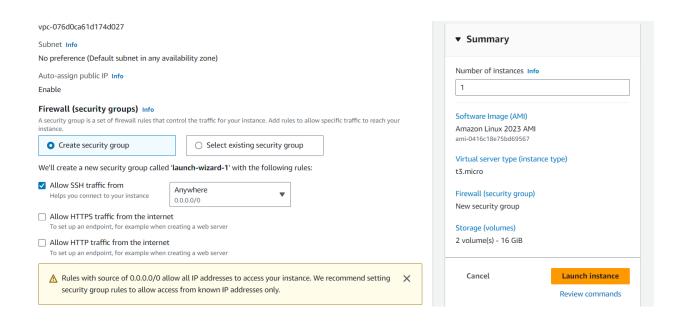
You can add number of block (like c drive e drive)



5. Add the tagsIt used for act time of billingIt contain key -pair

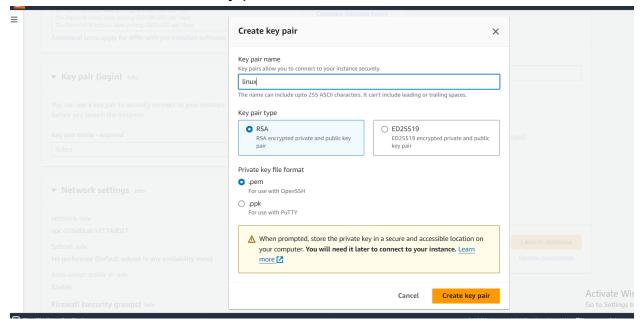


6.configure the security group It a security shell it act as firewall to ssh (port range 22)



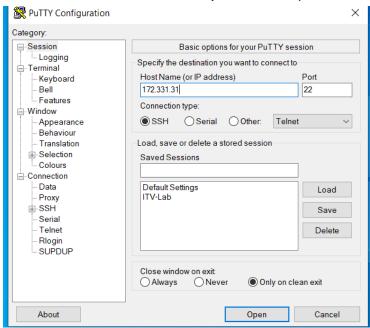
7.review the group

After contain download key pair used to connect linux



Download the putty and connect the linux system .Putty is used for connect the window to linux.Window to window remote desktop service Requirement for connect the linux

Download the putty mentioned hostname ip address)



Hostname is available in ssh

2. Download the putty gen is responsible convert the public key to private key

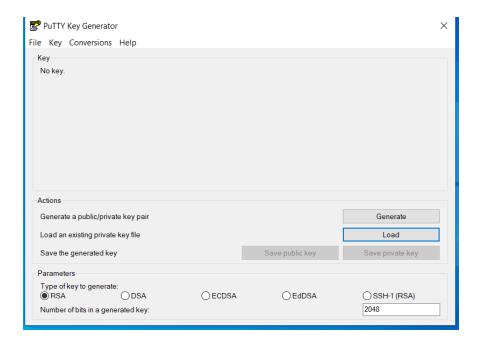
Public key is holds in aws

You need though the private key

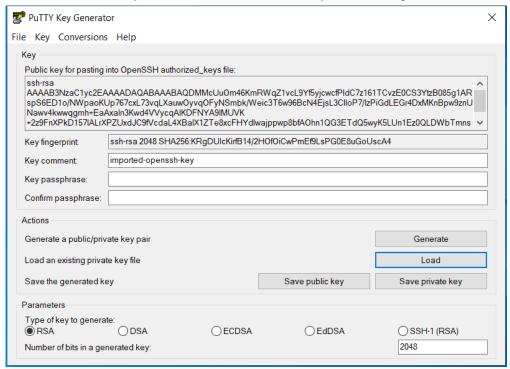
Steps to convert public key to privatekey

Download the pem.file in aws accont (pem.file) is public file

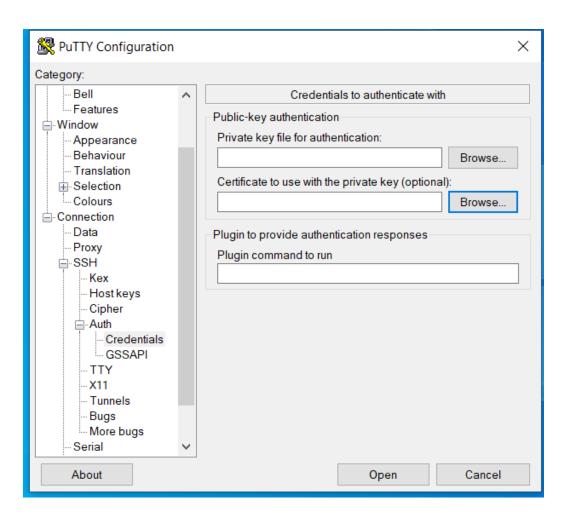
1.click the load the button



2. Load the .pem file and save as private key



3.go to putty click ssh and click auth click auth go through credentials Upload the ppk file



Successfully connect the linux