```
pipeline{
   agent any
   stages{
      stage('checkout') {
         steps {


            git credentialsId: 'GITPATH', url: 'https://github.com/kanchana08/practice.git'


      }



   }
   stage('change'){
      steps{
         sh 'cd /var/lib/jenkins/workspace/git && git checkout master '
      }
   }


     stage('commit and push') {
        steps{
           sh 'cd /var/lib/jenkins/workspace/git && git add . && git commit -m "ddtafzytafz" '
        }
     }
     stage('git push') {
   steps {
      withCredentials([
         gitUsernamePassword(credentialsId: 'GITPATH', url:
'https://github.com/kanchana08/practice.git', gitToolName: 'Default')
```

```
        ]) {
            sh "git push --set-upstream origin master"
        }
    }
}


    }


}
```

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

https://chathura-siriwardhana.medium.com/step-by-step-guide-to-add-jenkins-slave-nodes-f2e756c8849e

Aws console

Step 1 :To create vpc

In your vpc

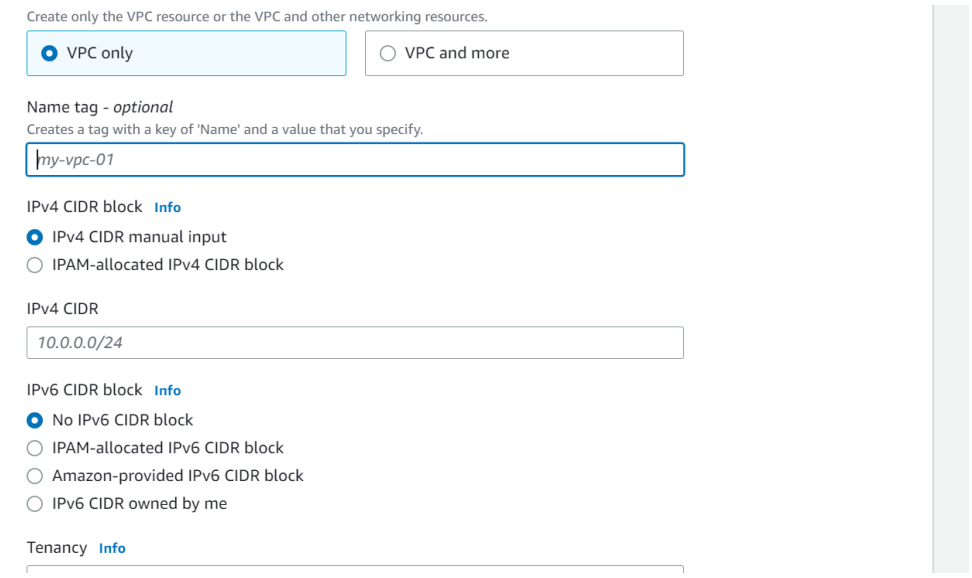
Selecte create vpc

[]Select vpc only

[] in ipv4 CIDR **better** to use 10.0.0.0/16

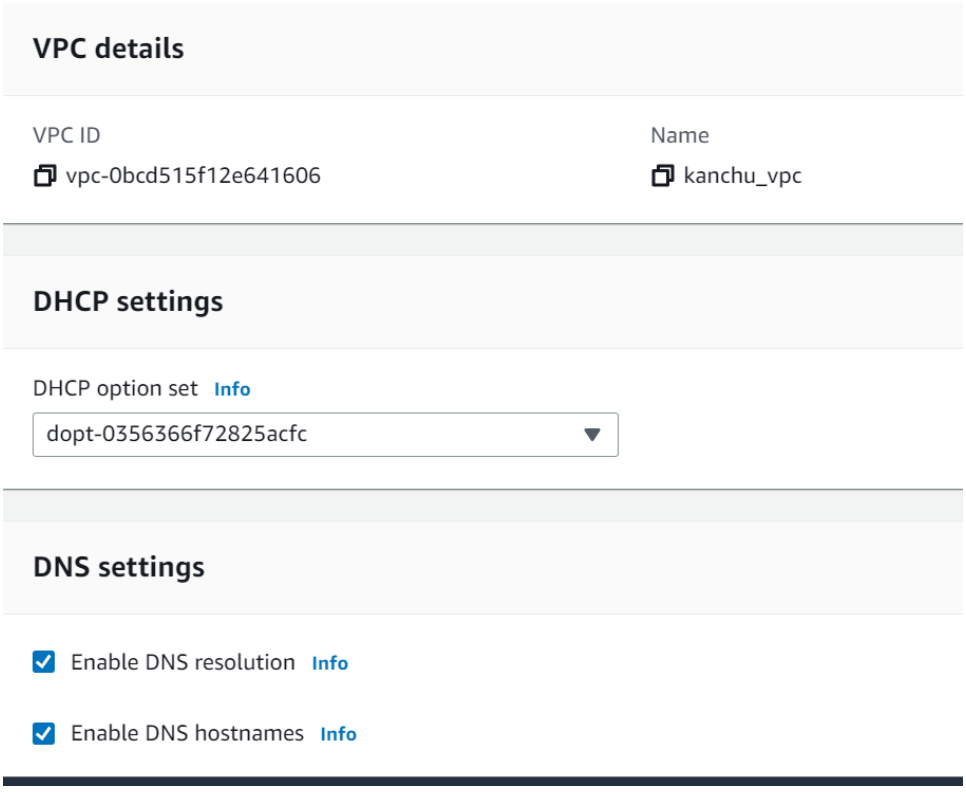
ex:172.15.0.0/16 (here we use class B network means 178.16.0.0. to 178.31.0.0 don’t use 172.17 bcz it is docker default ip)

[]create vpc



[]right click on created vpc

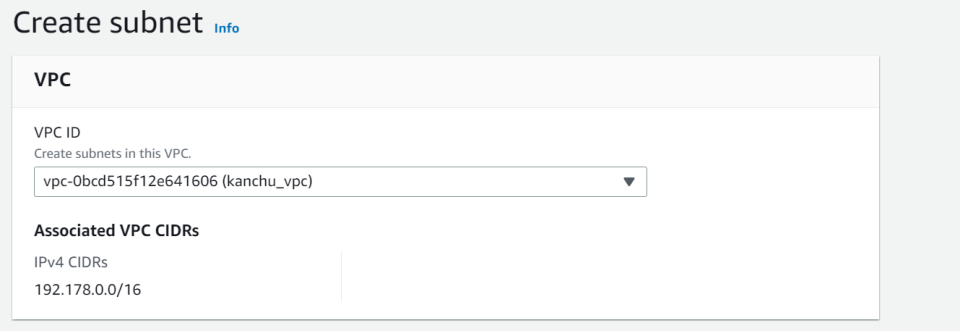
[]select edit vpc

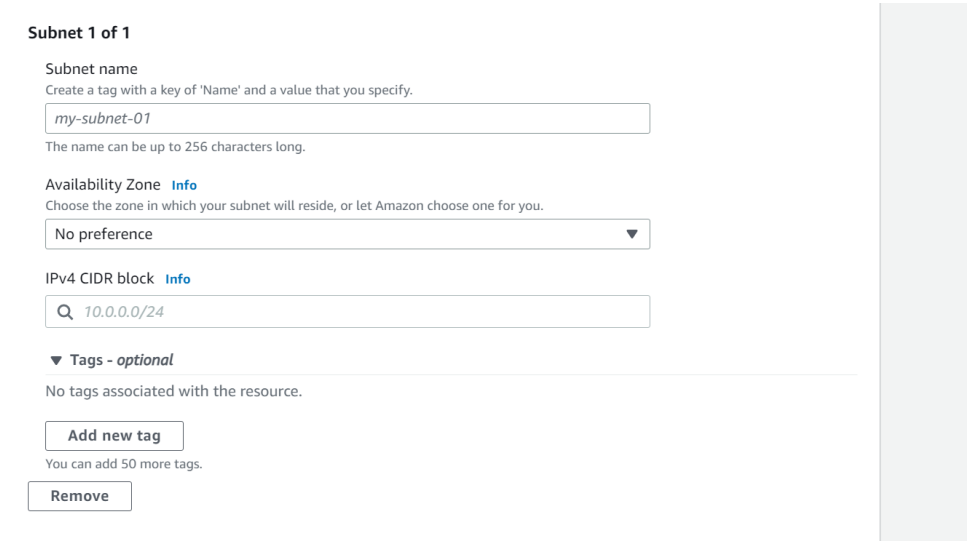


[] Enable DNS hostnames

[] save

Step 2: to create subnet:





[] In vpc ID select which vpc we want

[] sunnet name give whatever

[] in availability zone choose zone

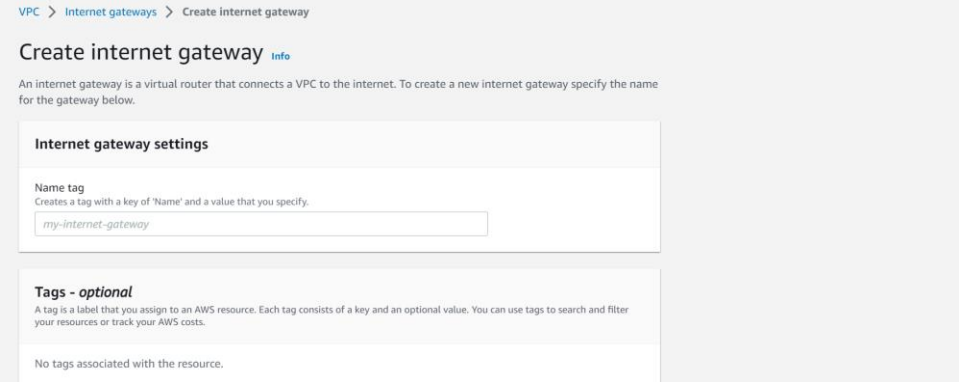
[] ipv4 CIDR block ex:10.0.2.0/24 (3^{rd} bit we need change , here we use in vpc what we mention for ip)

[] create subnet

[] enable auto-assign ipv4

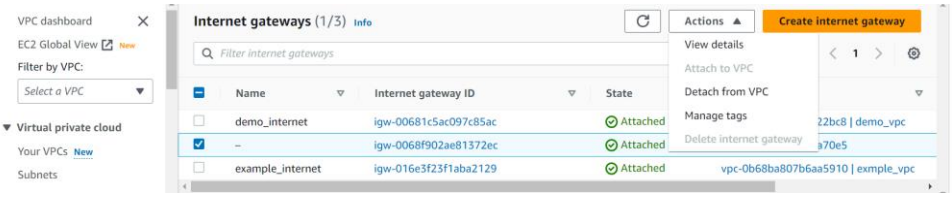
[] save

Step 3:To create internet gateway create:



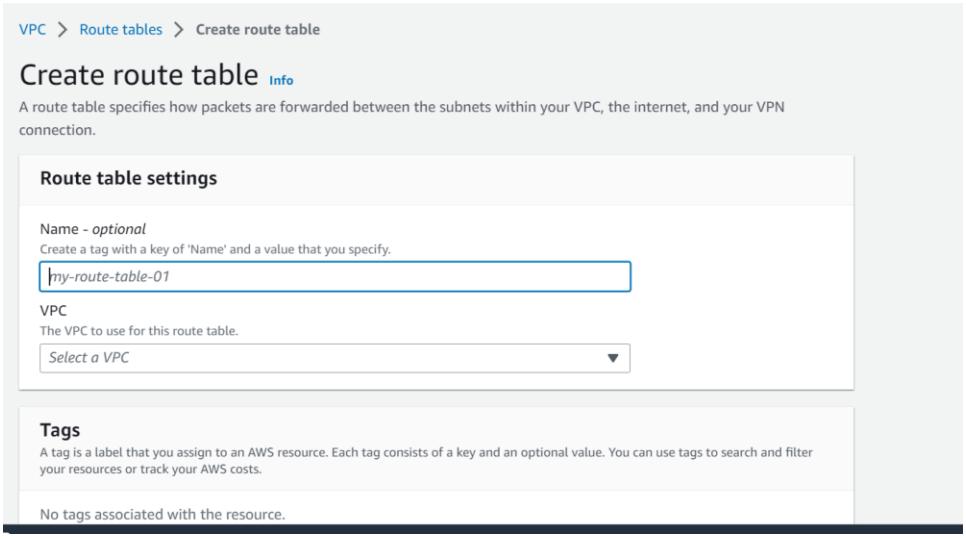
[] In name tag we can give whatever we want ex: kanchana_gat

Next, we want to attach this internet gateway for VPC. You can select the internet gateway and click Attach to VPC.



Next, select the previously created VPC and click attach internet gateway button.

Step 4:to create Route table

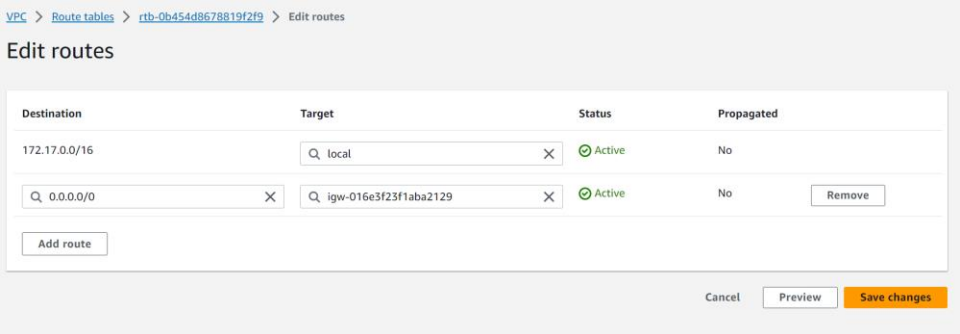


[] Name – optional ex kanchana_rt

[] in vpc select which vpc we want

[] select route table what we created right click select edit route and add route 0.0.0.0/0 and select the previously created Internet Gateway. next hit the save changes button.

[] save change



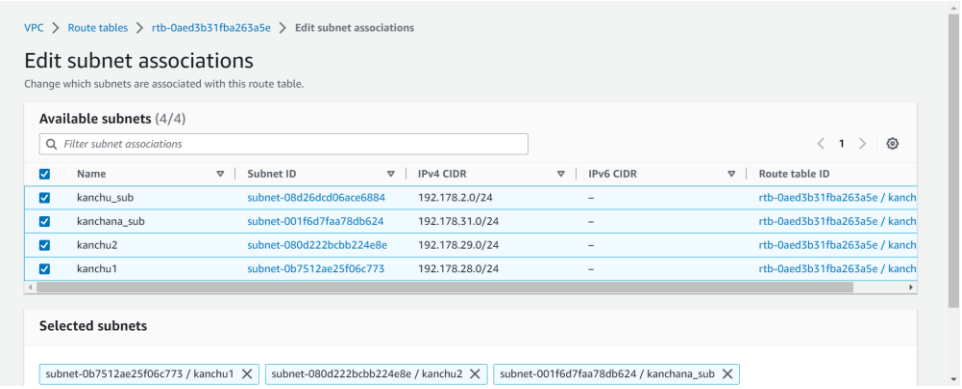
[] in down select

[] subnet associations

[] in **Explicit subnet associations** (1) select Edit subnet associations

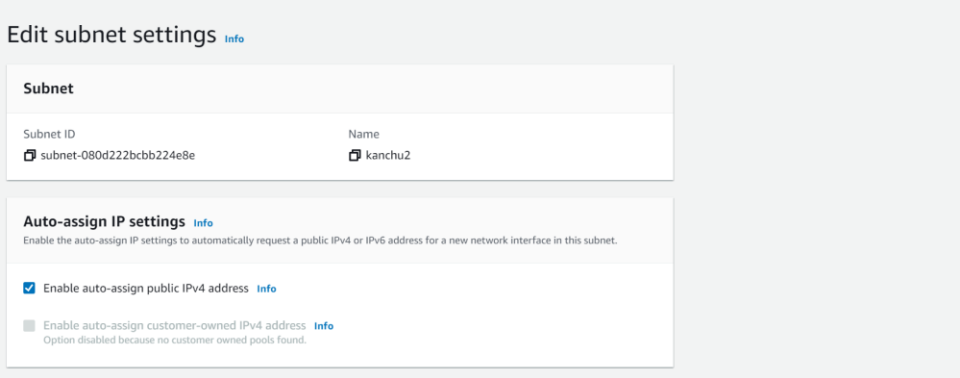
[] add the subnet which we created/ which we want

[] save



In subnet:

Now we go to public subnet and click subnet settings and enable "Enable auto-assign public IPv4 address" and click save.



To launch Instance:

[] select EC2 global view

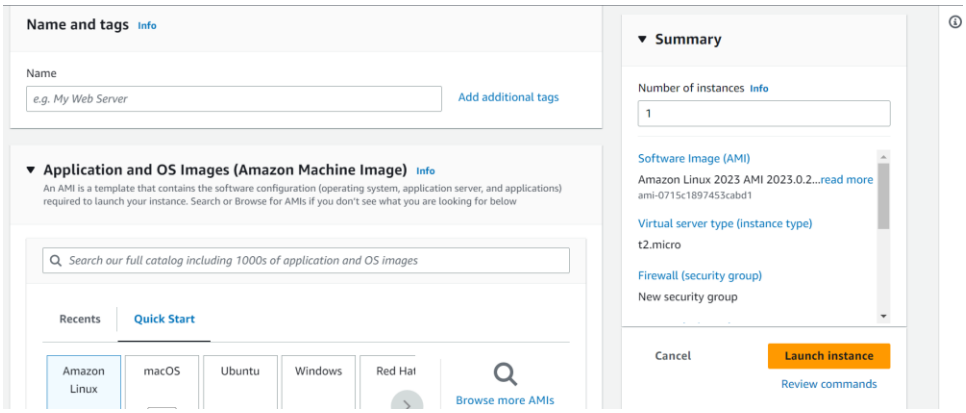
[] in search bar search EC2

[] Selecte EC2

[] In lift side select instances

[] selecte launch instance

[] in name and tags give whatever we want

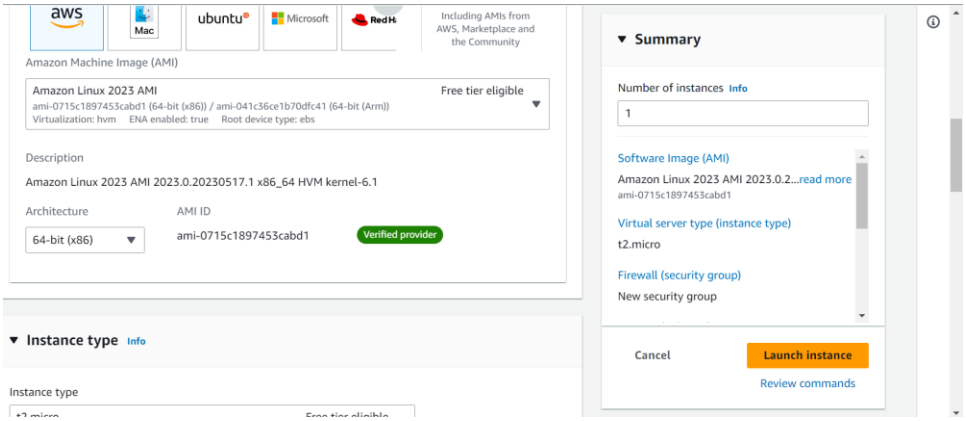


[] in quick start select which we want

[] in AMI

[] select free tier eligible

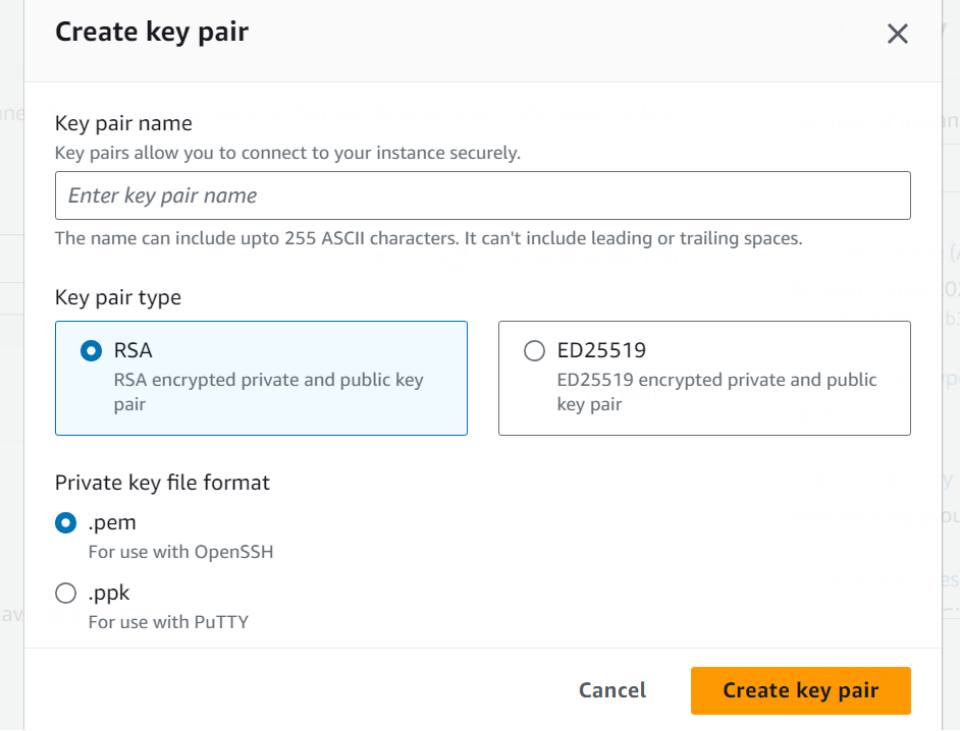
[] instance type also selects free tier eligible



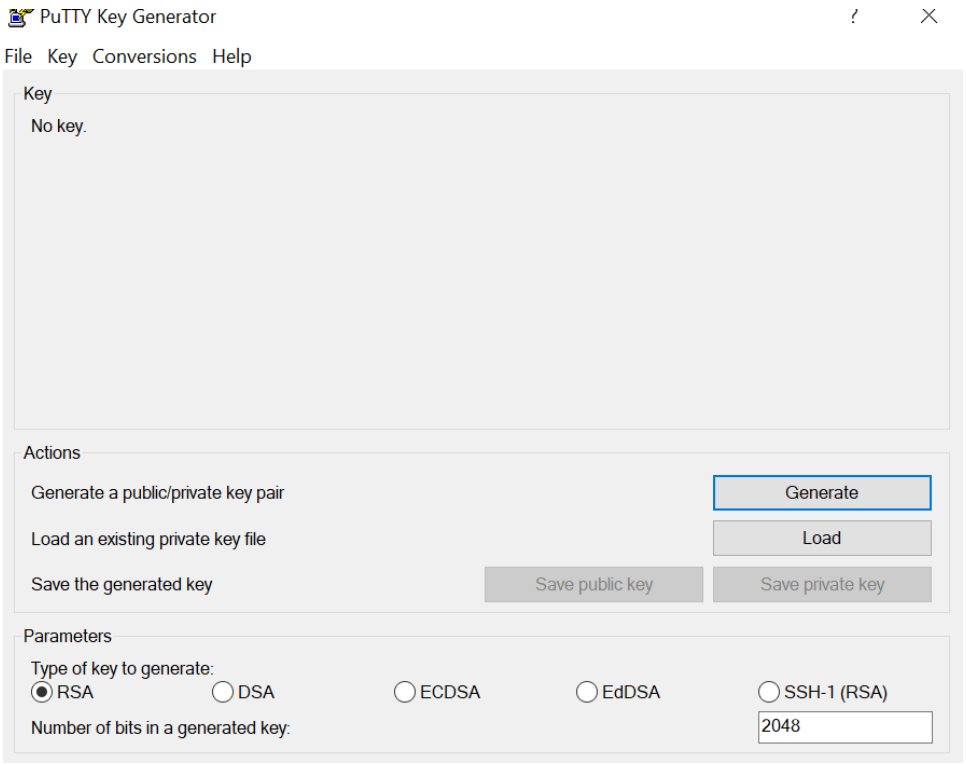
[] In key pair

[] first we need to create key pair

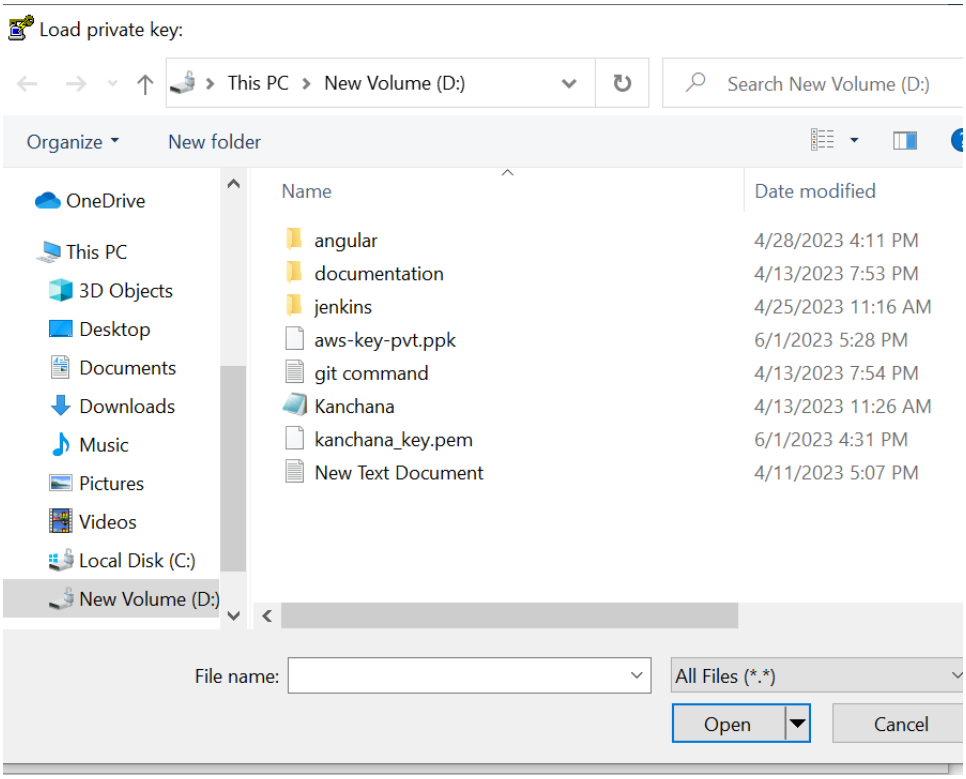
    [] select create key pair select RSA and .pem

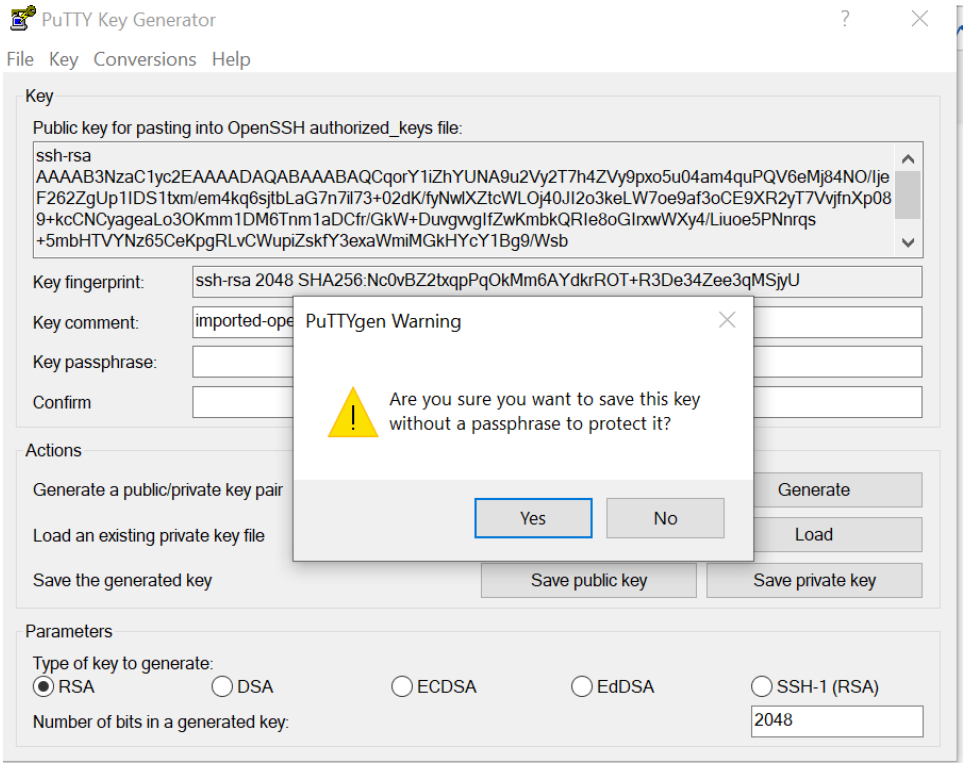


[] after creating key pair in puttygen select load and choose .pem what we created



[] choose all file in fill name





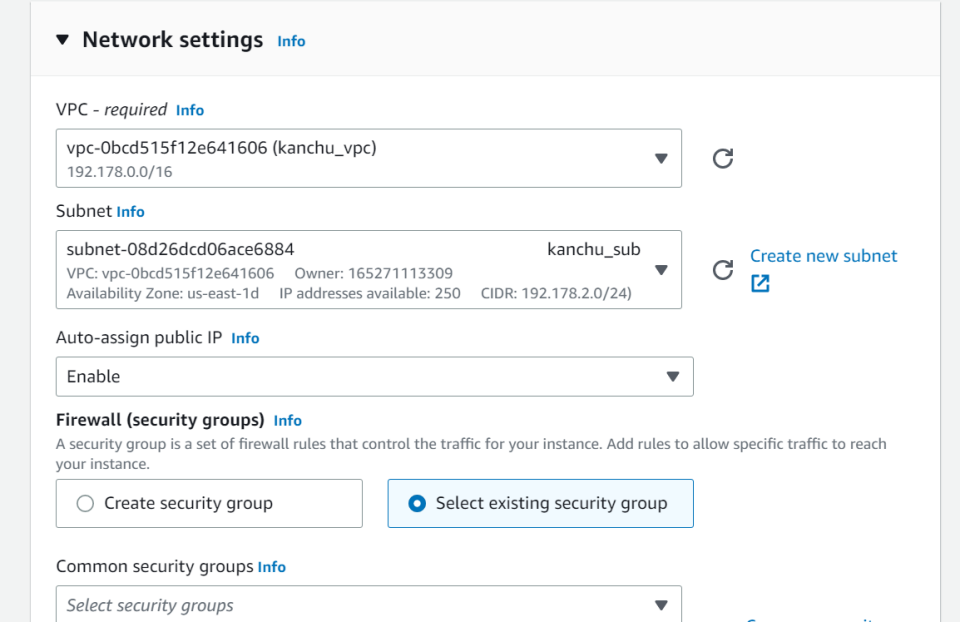
[] select save private key

[] yes

[] save the file

[] In network setting

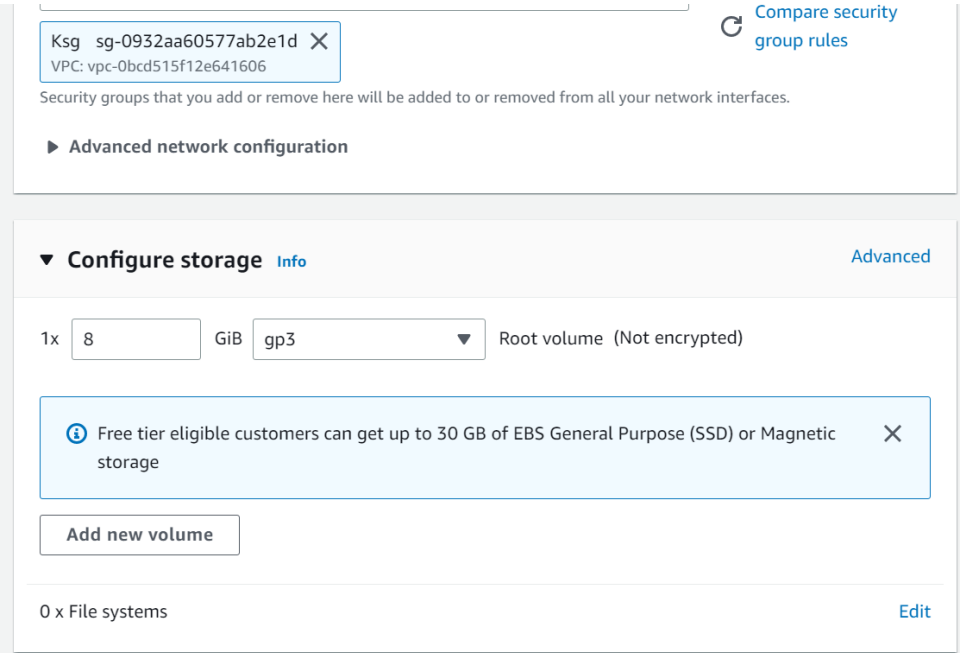
[] edit



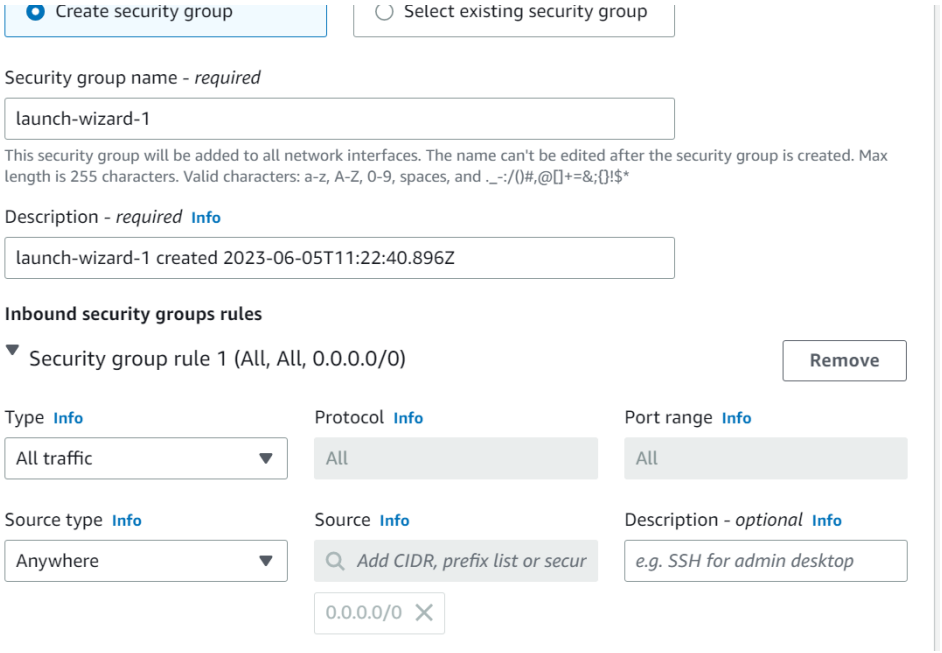
[] In vpc required select which we want

[] in firewall select existing security grp if we already created/

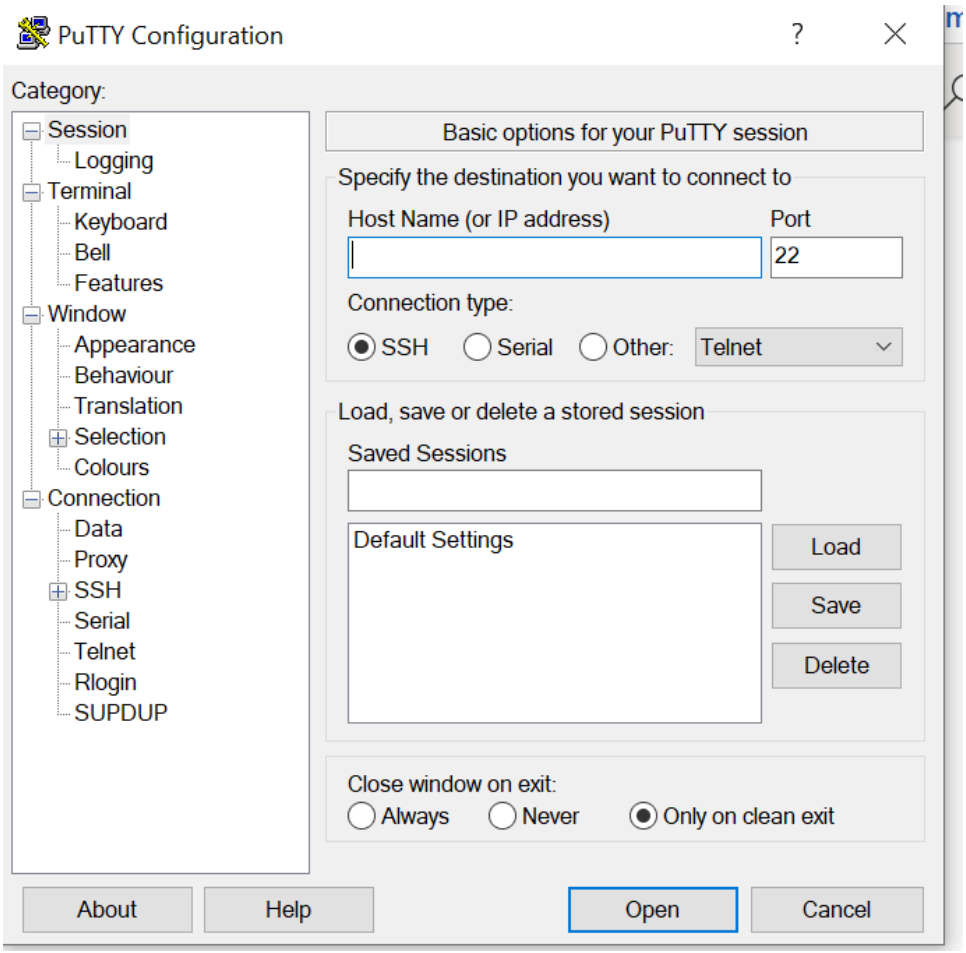
[] in common security groups select which we created



[] in firewall in first time select create security group


Create security group
Select existing security group
Security group name - required
launch-wizard-1
This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*
Description - required Info
launch-wizard-1 created 2023-06-05T11:22:40.896Z
Inbound security groups rules
Security group rule 1 (All, All, 0.0.0.0/0)
Remove
Type Info
All traffic
Protocol Info
All
Port range Info
All
Source type Info
Anywhere
Source Info
Add CIDR, prefix list or secur
0.0.0.0/0
Description - optional Info
e.g. SSH for admin desktop

Puttyexe:



[] In host name if we use ubuntu (ubuntu@publicip) if use aws (ec2-user@publicip)

[] SSH

[] Auth

[] credentials

[] in browser select file what we create file in puttygen