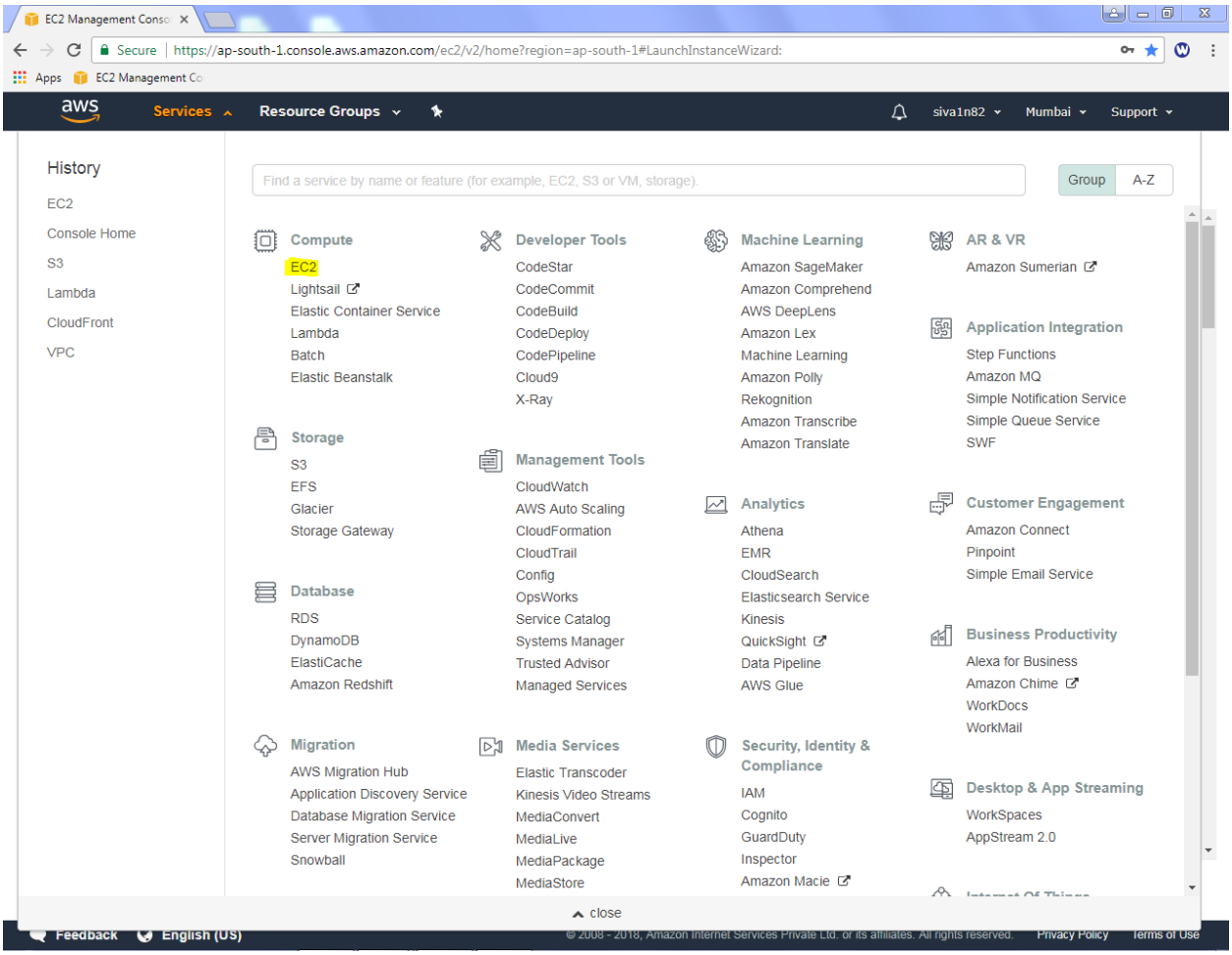
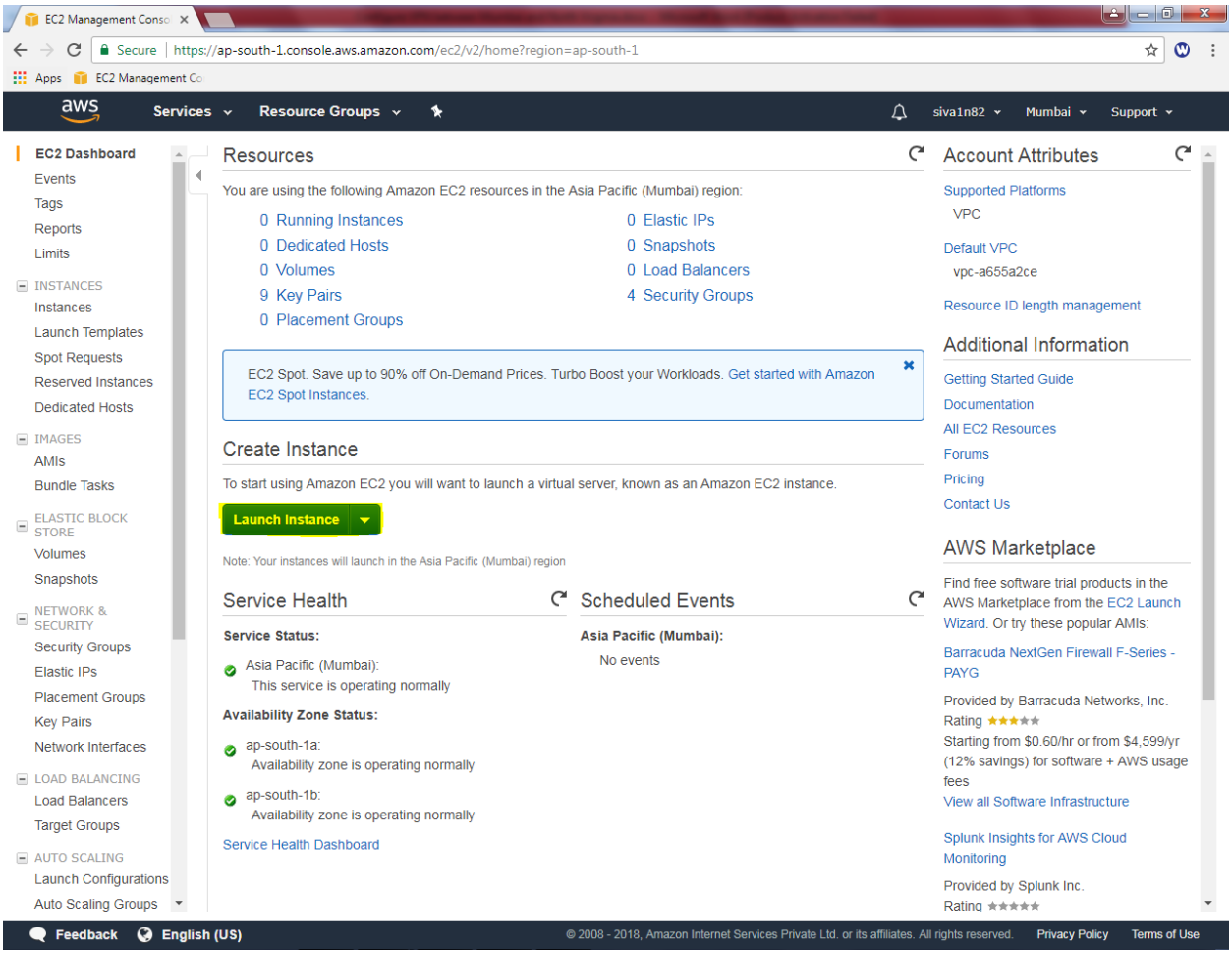
Configure VPN between Mumbai and Ohio – Lab 2 of 4

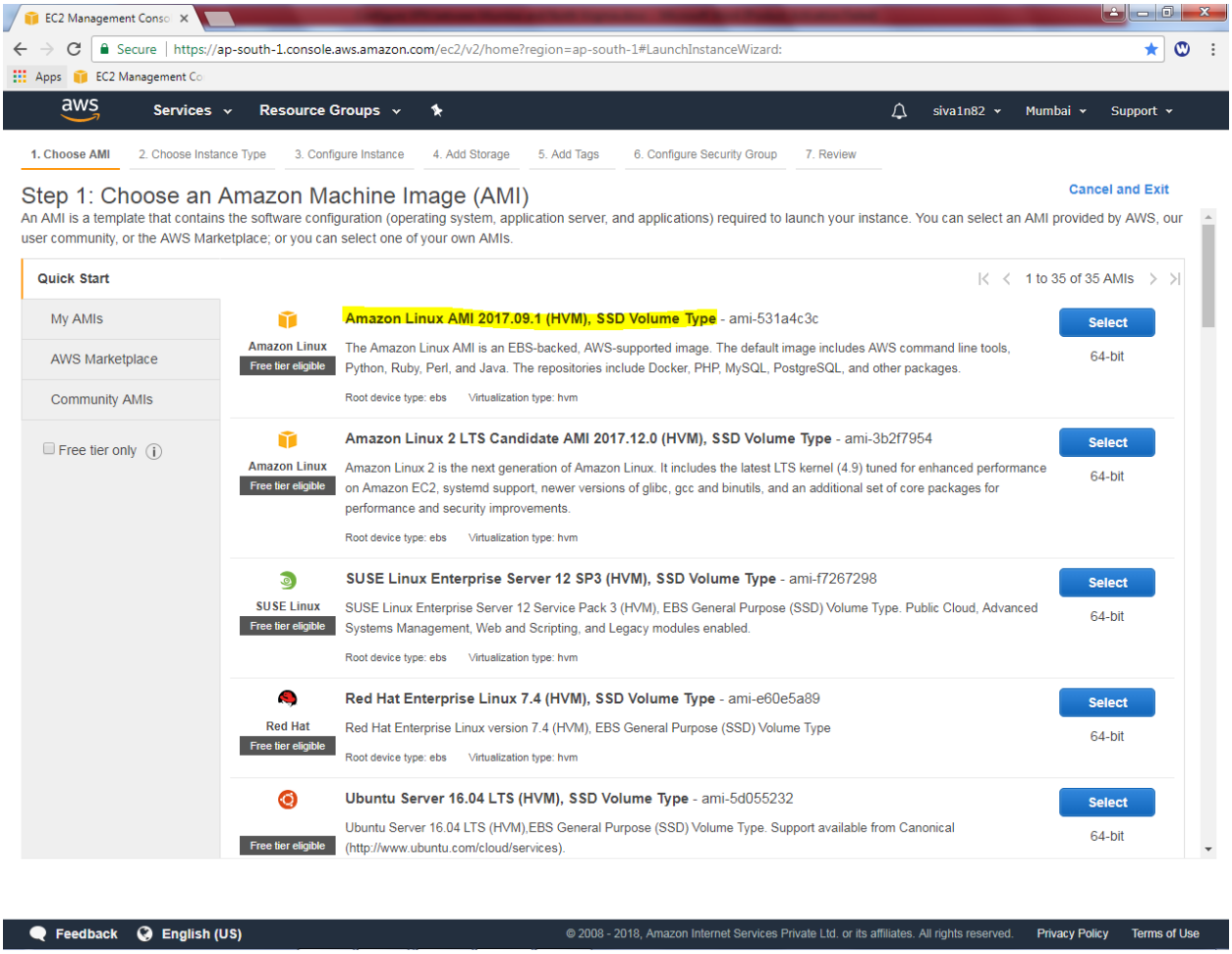
In mumbai region, Click “EC2”



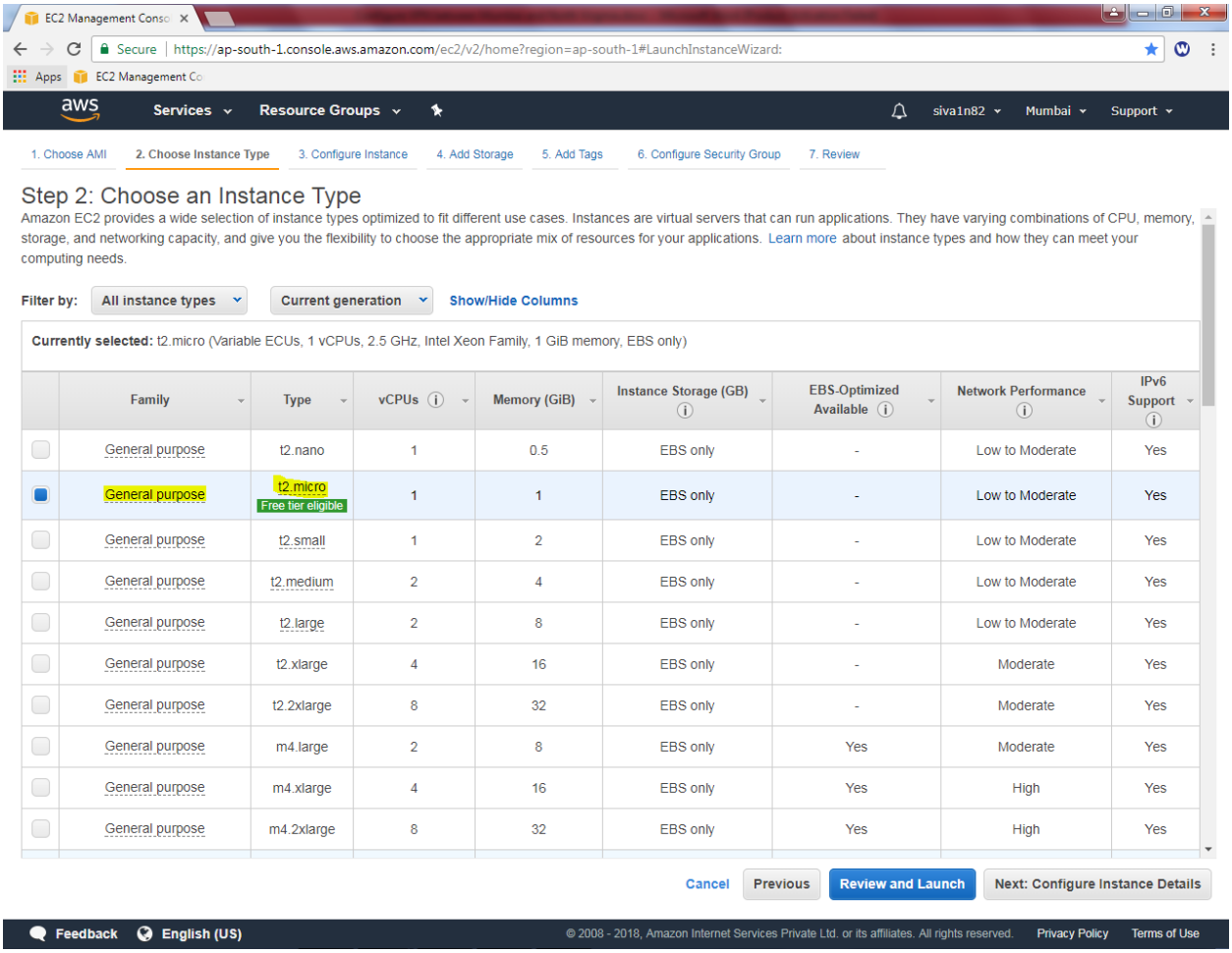
Click “Launch Instance”.



Select “Amazon Linux”



Select General purpose “t2.micro”.

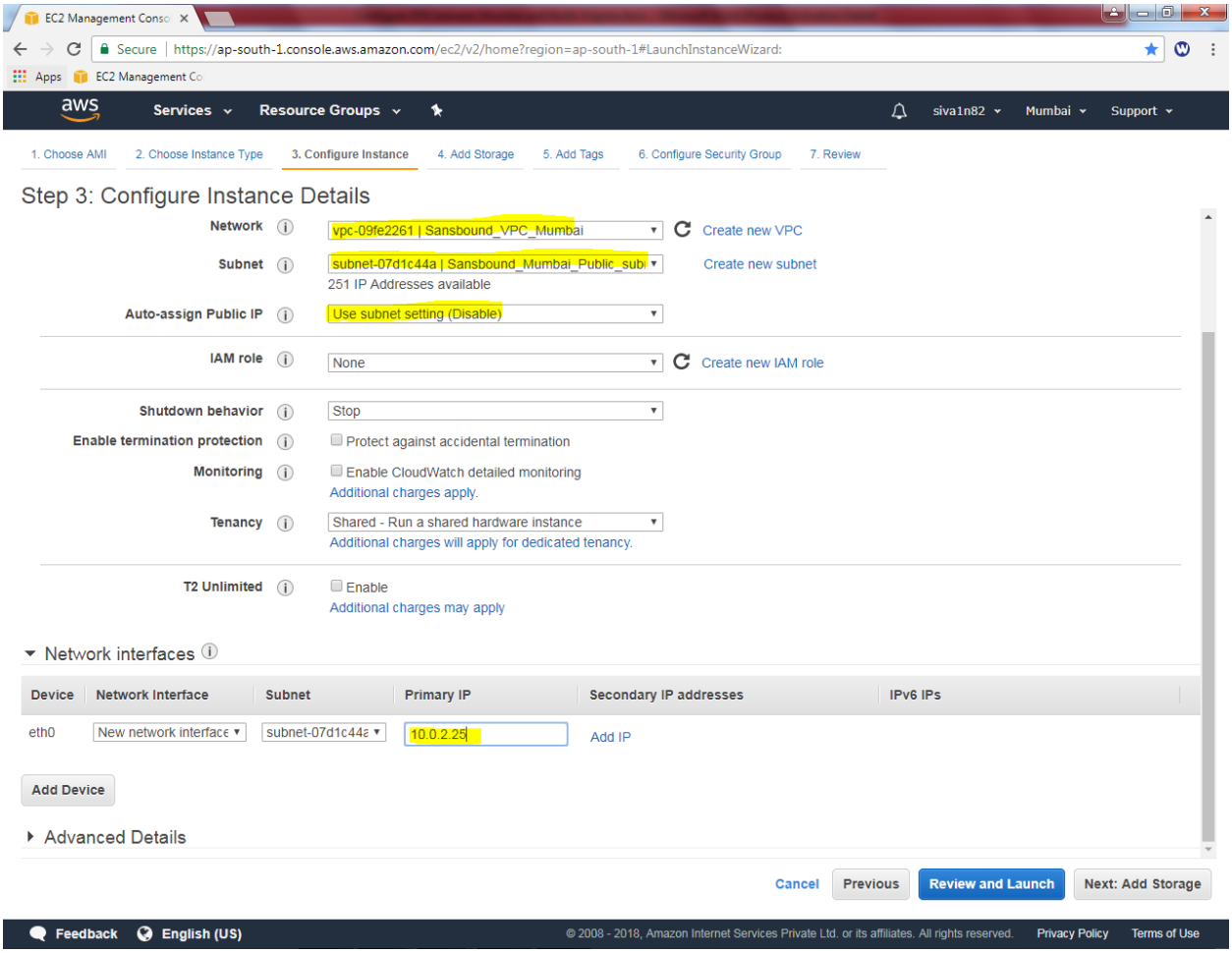


Click “Next”.

In Network, select Sansbound_VPC_Mumbai

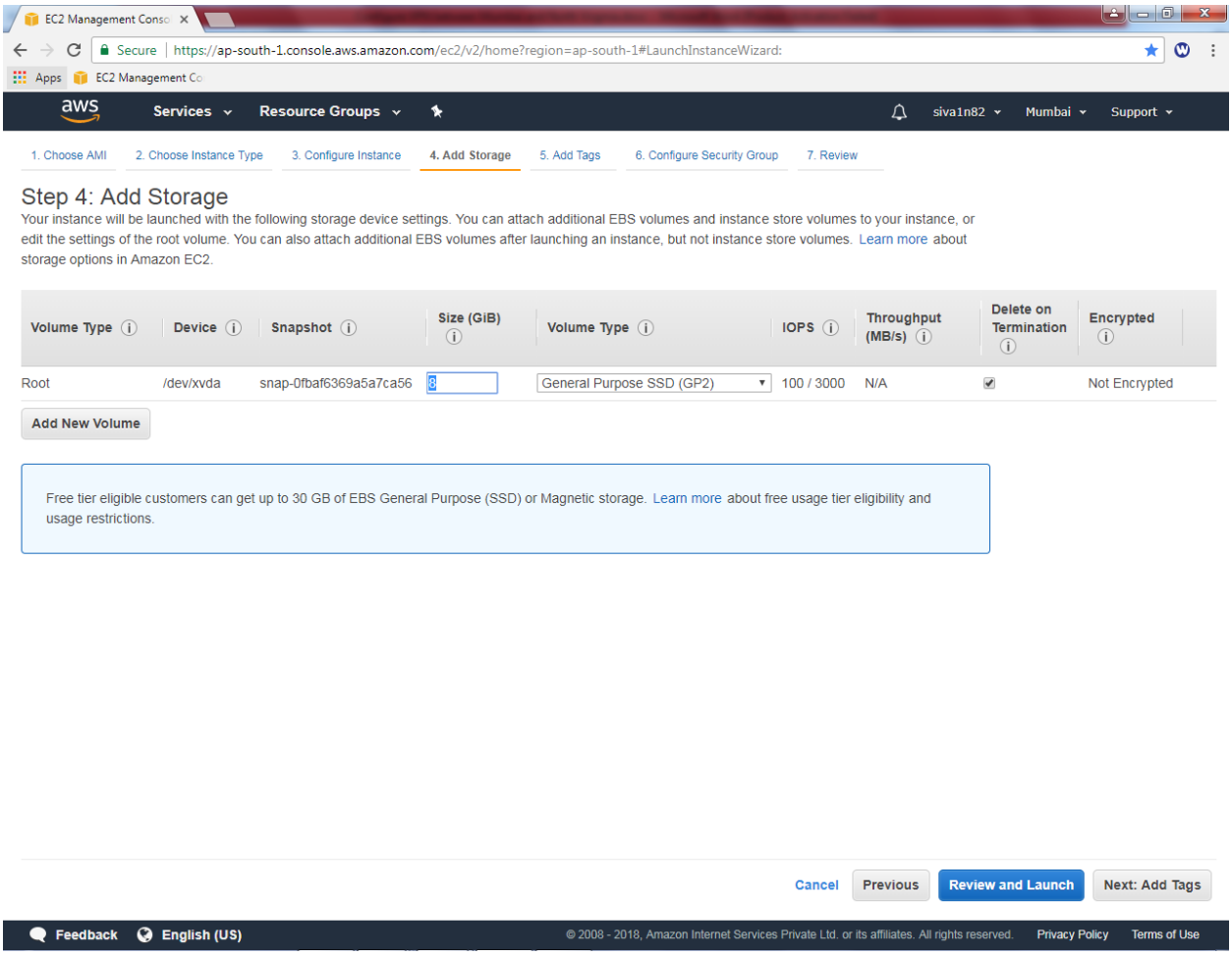
Subnet, select Sansbound_Mumbai_Public_subnet

Auto assign Public IP – Disable.



Type the IP of VPN server as 10.0.2.25 and click “Next”.

Leave default settings and click “next”.


EC2 Management Conso
Secure | https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#LaunchInstanceWizard:
Apps
EC2 Management Co
aws
Services
Resource Groups
siva1n82
Mumbai
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 4: Add Storage
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.
Volume Type
Device
Snapshot
Size (GiB)
Volume Type
IOPS
Throughput (MB/s)
Delete on Termination
Encrypted
Root
/dev/xvda
snap-0fbaf6369a5a7ca56
8
General Purpose SSD (GP2)
100 / 3000
N/A
Not Encrypted
Add New Volume
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.
Cancel
Previous
Review and Launch
Next: Add Tags
Feedback
English (US)
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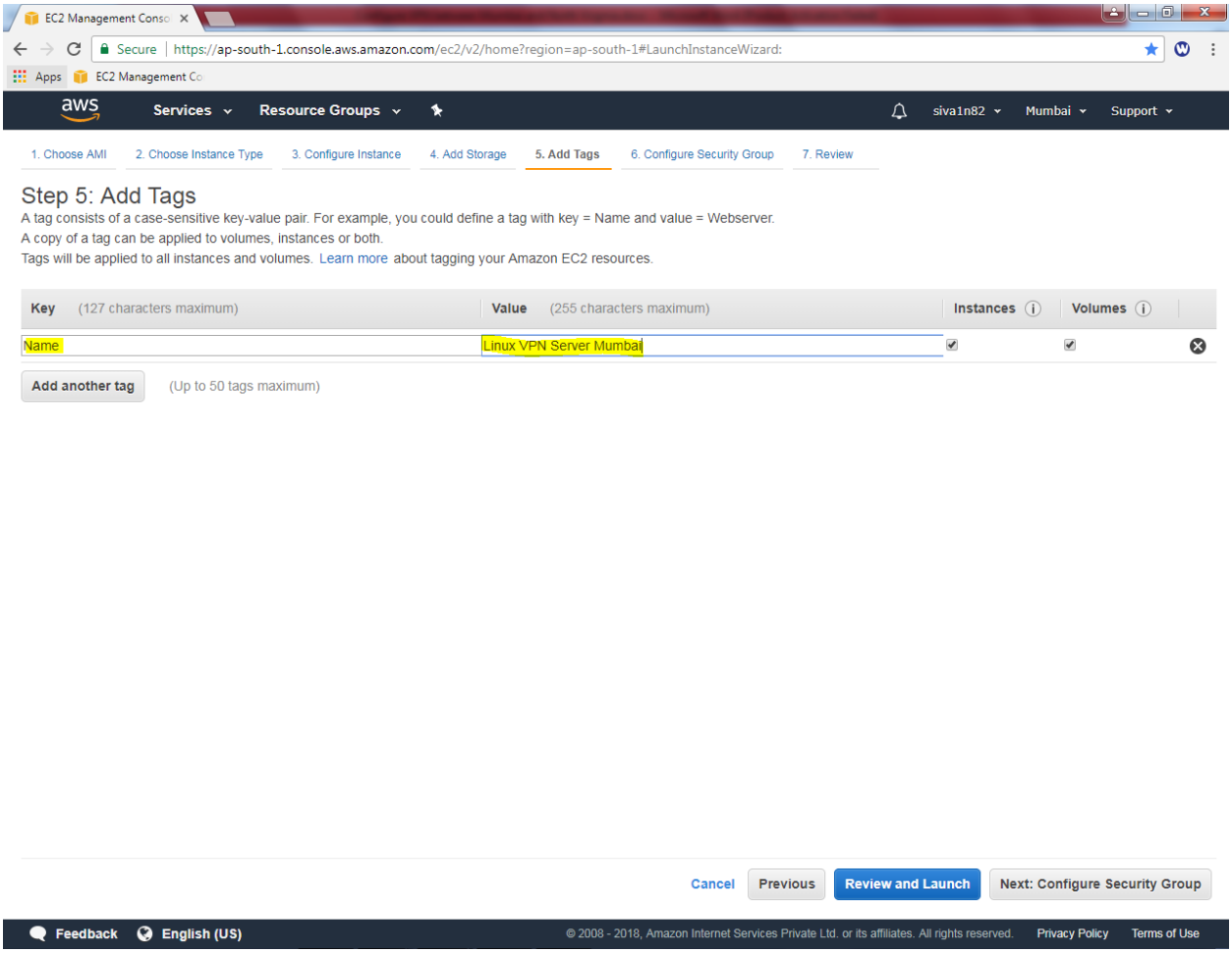
Privacy Policy
Terms of Use

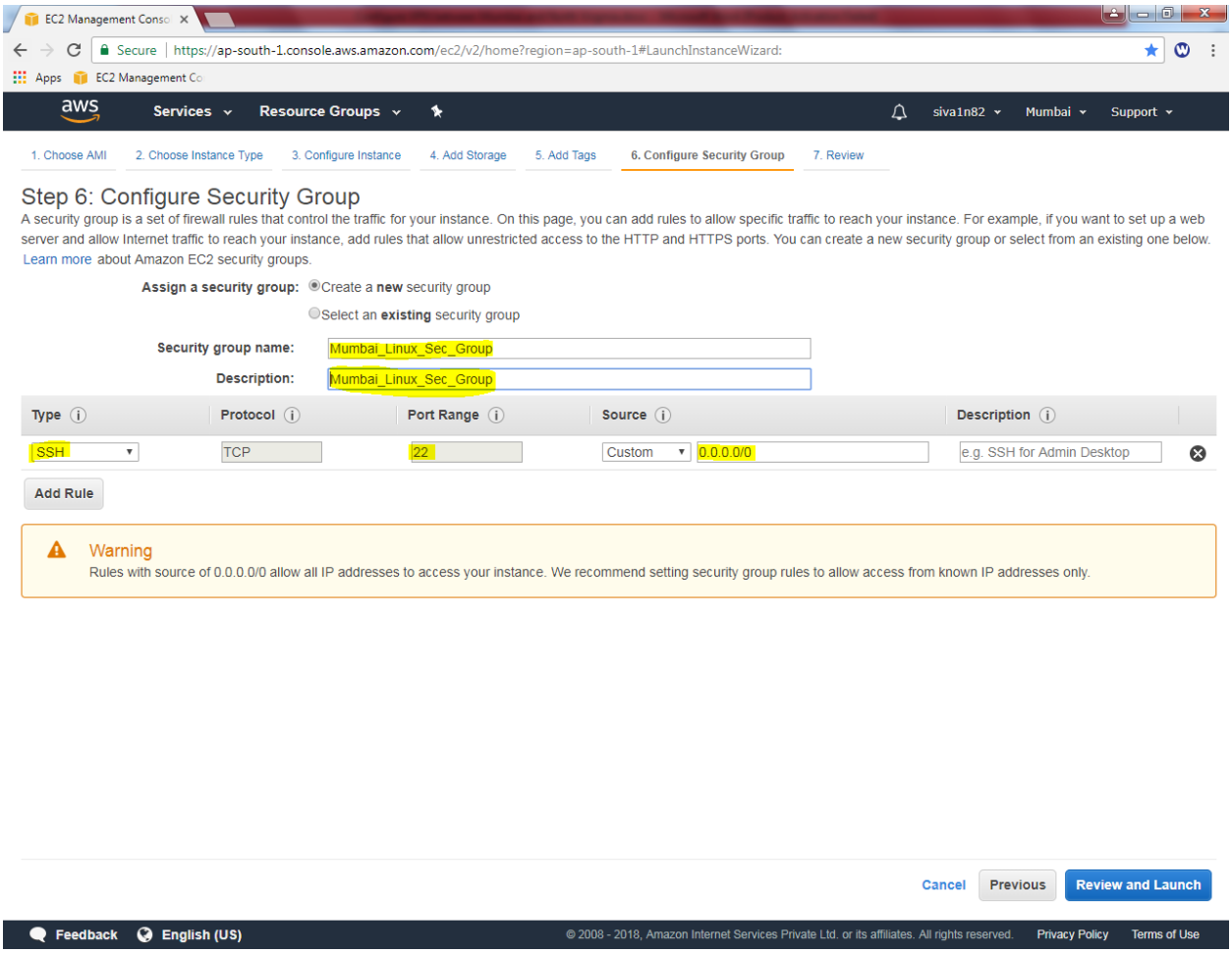
.

Name: Linux VPN Server Mumbai



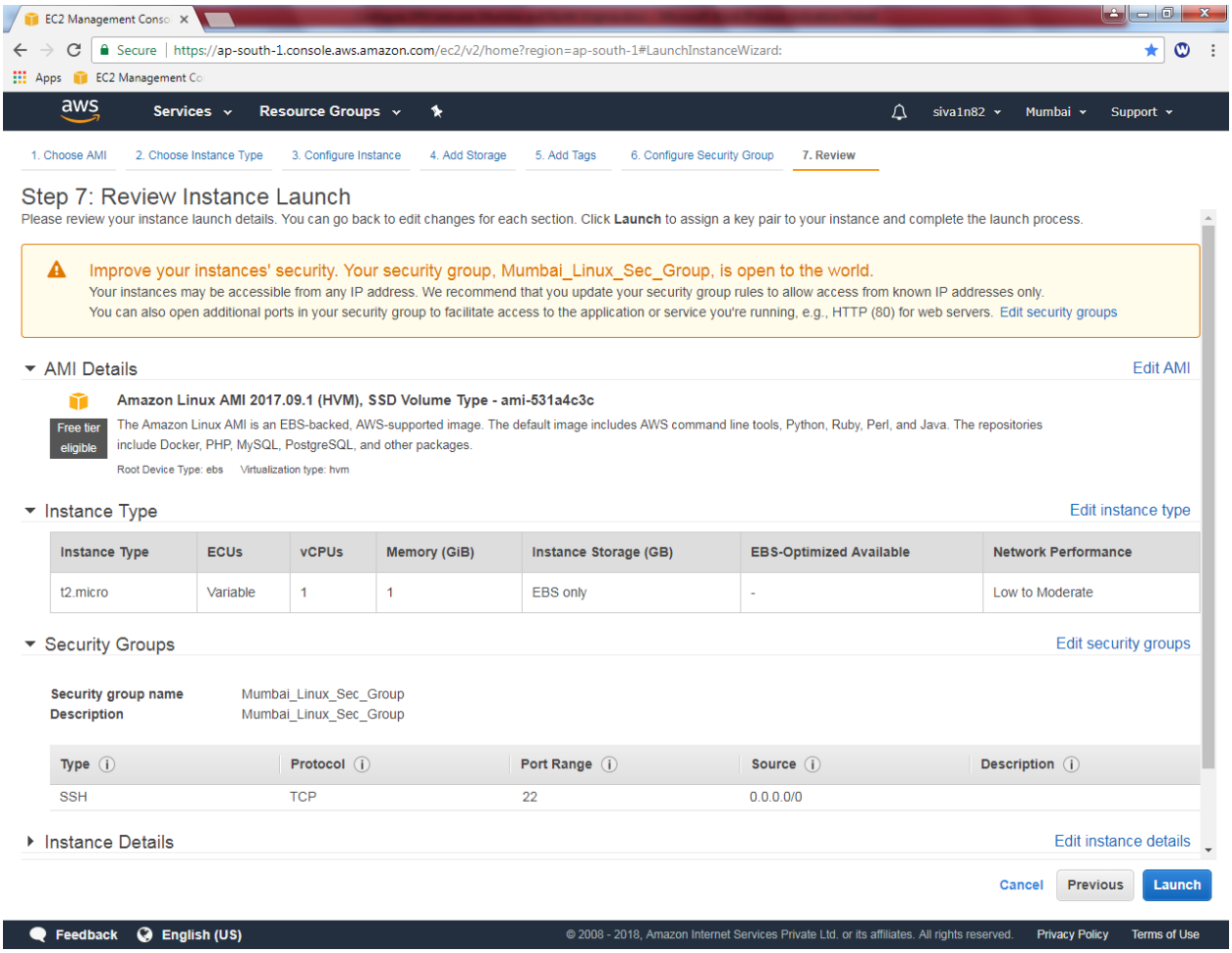
Click “Next”.

Create a new Security Group Name : Mumbai_Linux_Sec_Group

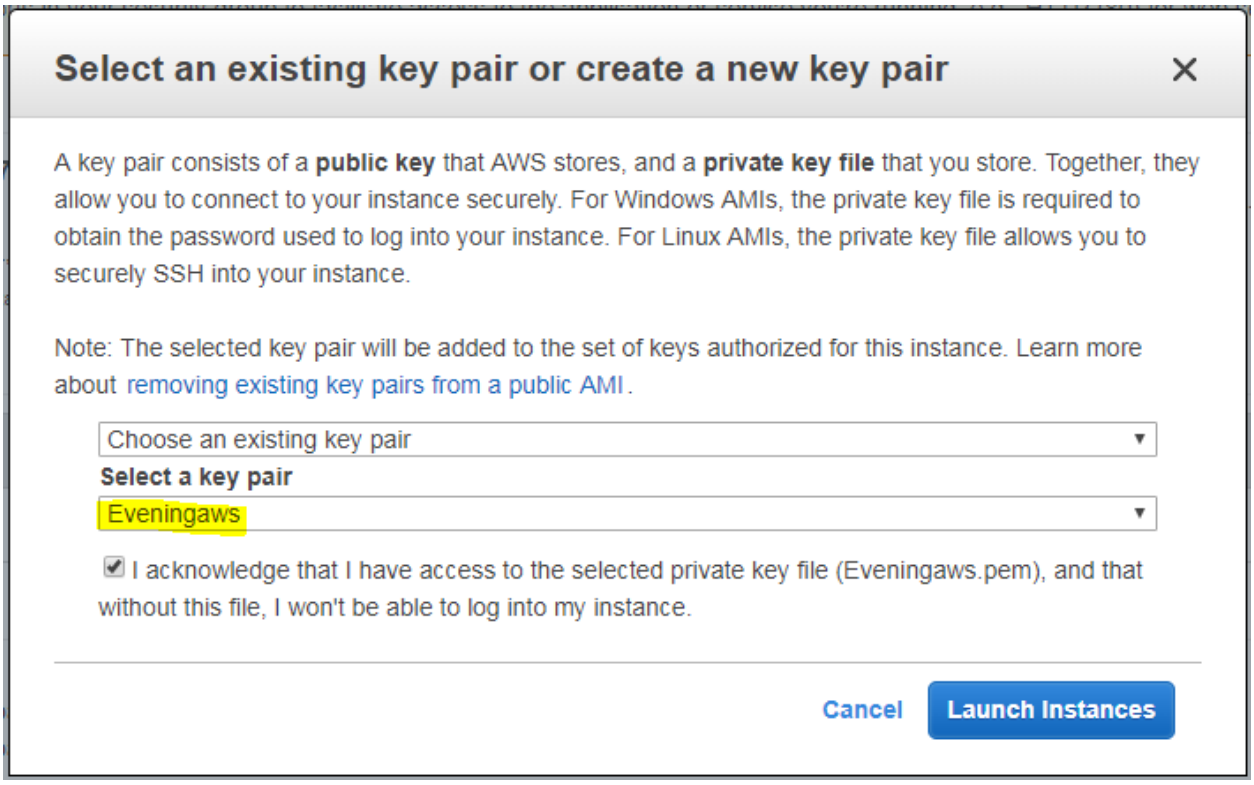


Allow 22 port as default. Click Review and Launch.

Click “Launch”.

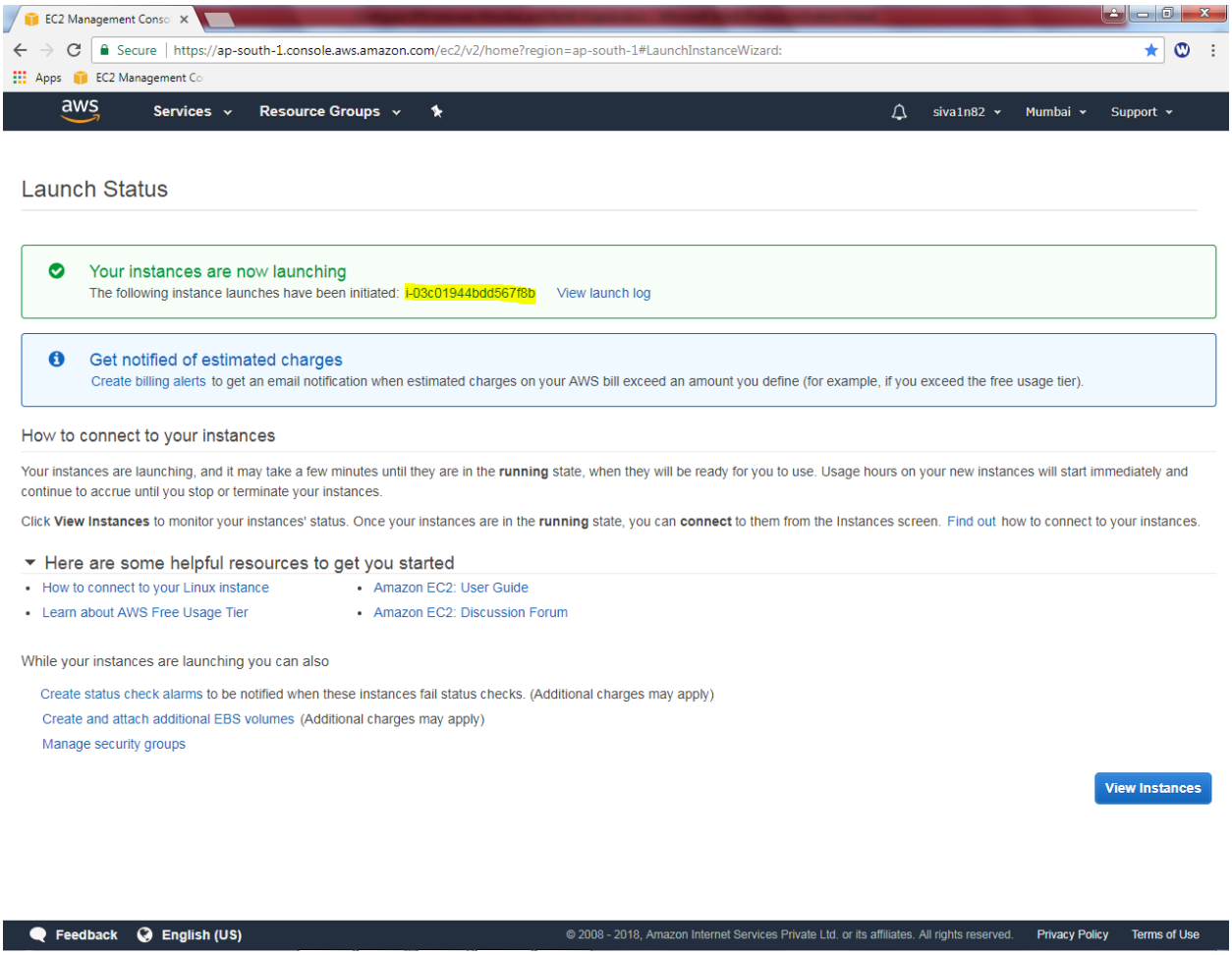


Click choose an existing key pair and select the key.

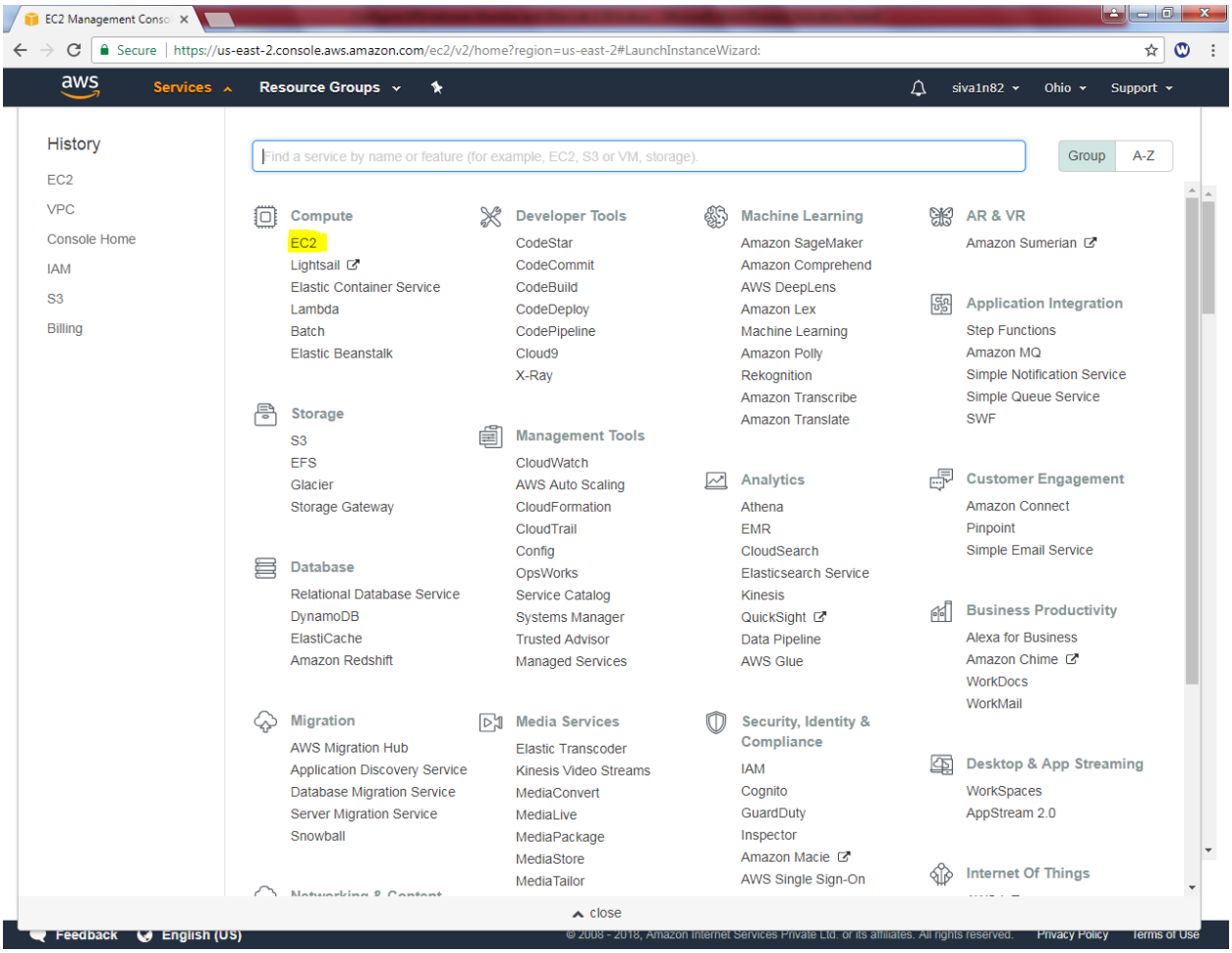


Click “Launch Instances”.

Click the highlighted area to view instance.



Go to Ohio region, Click “EC2”.


EC2 Management Conso
Secure | https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
aws
Services
Resource Groups
siva1n82
Ohio
Support
History
EC2
VPC
Console Home
IAM
S3
Billing
Find a service by name or feature (for example, EC2, S3 or VM, storage).
Group
A-Z
Compute
EC2
Lightsail
Elastic Container Service
Lambda
Batch
Elastic Beanstalk
Developer Tools
CodeStar
CodeCommit
CodeBuild
CodeDeploy
CodePipeline
Cloud9
X-Ray
Machine Learning
Amazon SageMaker
Amazon Comprehend
AWS DeepLens
Amazon Lex
Machine Learning
Amazon Polly
Rekognition
Amazon Transcribe
Amazon Translate
AR & VR
Amazon Sumerian
Application Integration
Step Functions
Amazon MQ
Simple Notification Service
Simple Queue Service
SWF
Storage
S3
EFS
Glacier
Storage Gateway
Management Tools
CloudWatch
AWS Auto Scaling
CloudFormation
CloudTrail
Config
OpsWorks
Service Catalog
Systems Manager
Trusted Advisor
Managed Services
Analytics
Athena
EMR
CloudSearch
Elasticsearch Service
Kinesis
QuickSight
Data Pipeline
AWS Glue
Customer Engagement
Amazon Connect
Pinpoint
Simple Email Service
Database
Relational Database Service
DynamoDB
ElastiCache
Amazon Redshift
Business Productivity
Alexa for Business
Amazon Chime
WorkDocs
WorkMail
Migration
AWS Migration Hub
Application Discovery Service
Database Migration Service
Server Migration Service
Snowball
Media Services
Elastic Transcoder
Kinesis Video Streams
MediaConvert
MediaLive
MediaPackage
MediaStore
MediaTailor
Security, Identity & Compliance
IAM
Cognito
GuardDuty
Inspector
Amazon Macie
AWS Single Sign-On
Desktop & App Streaming
WorkSpaces
AppStream 2.0
Internet Of Things
close
Feedback
English (US)
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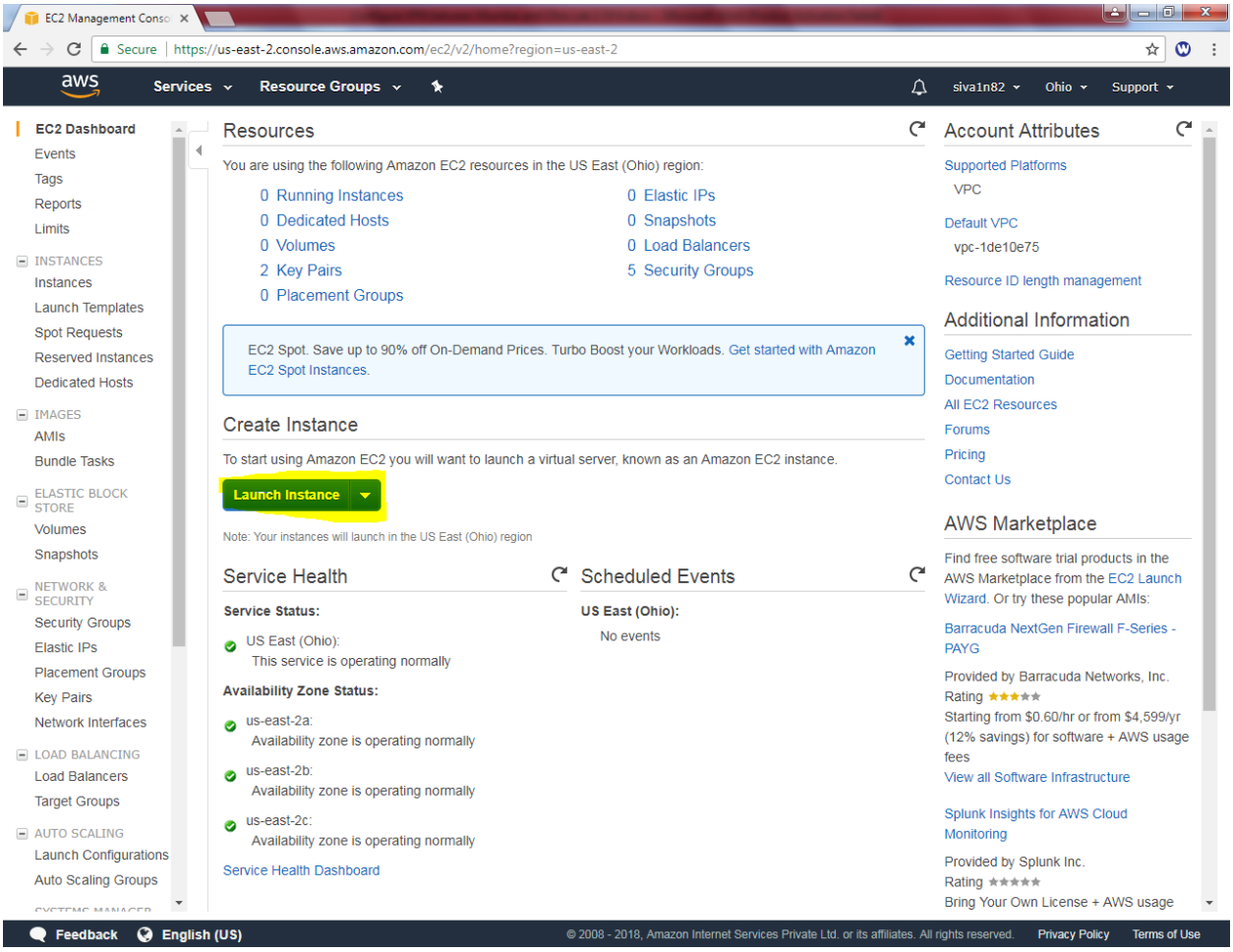
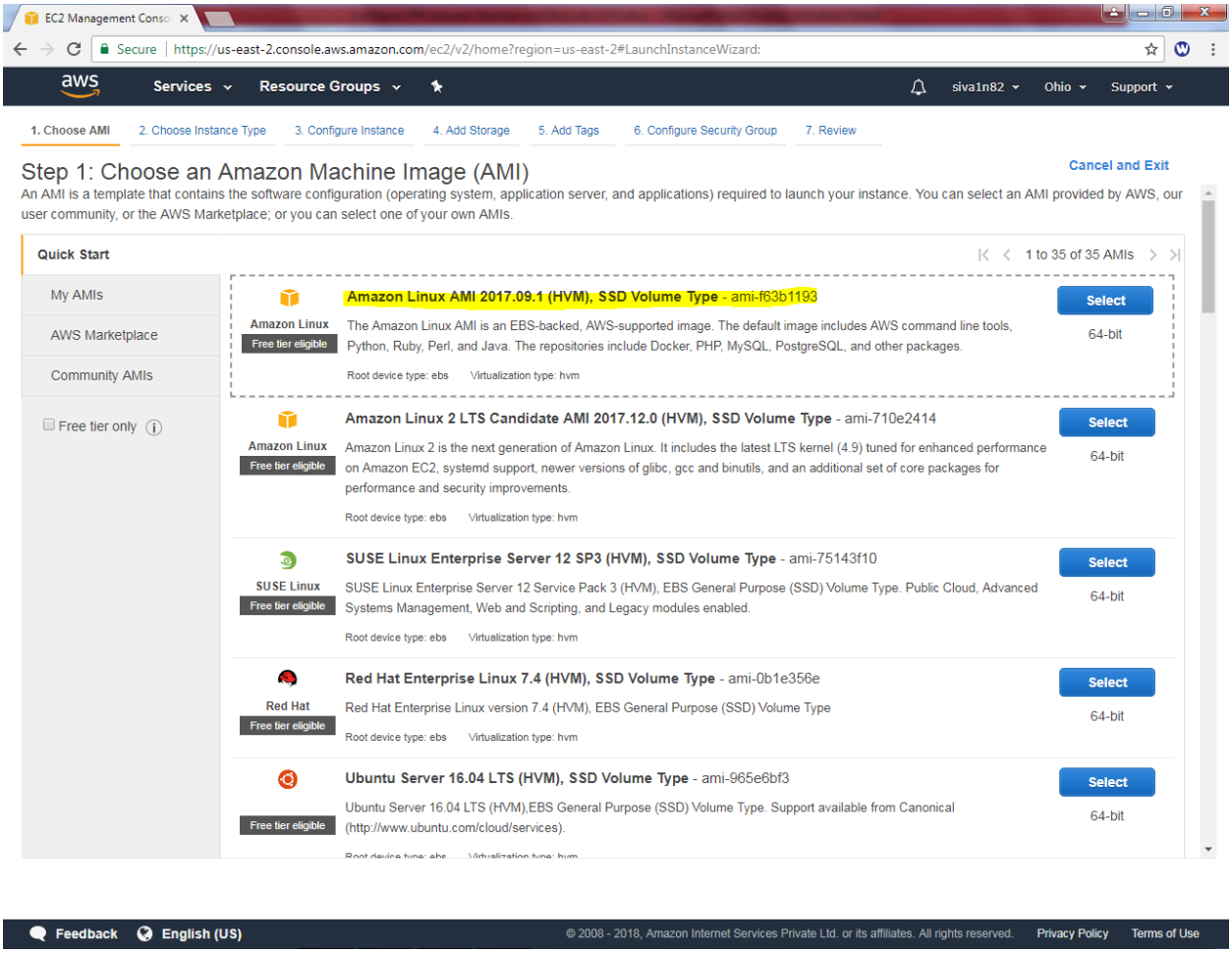
Privacy Policy
Terms of Use

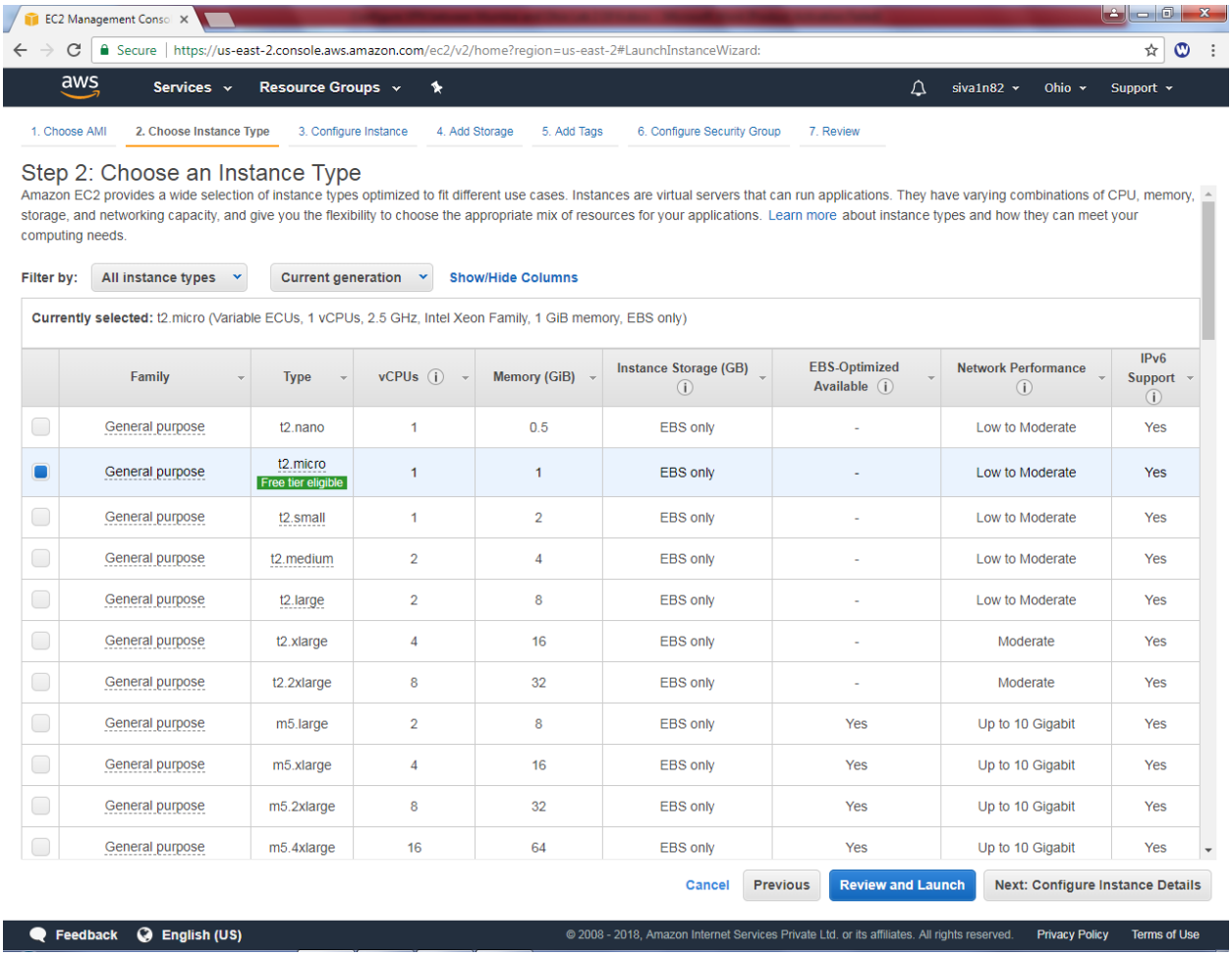
Click “Launch instance”.



Click “Amazon Linux AMI”.

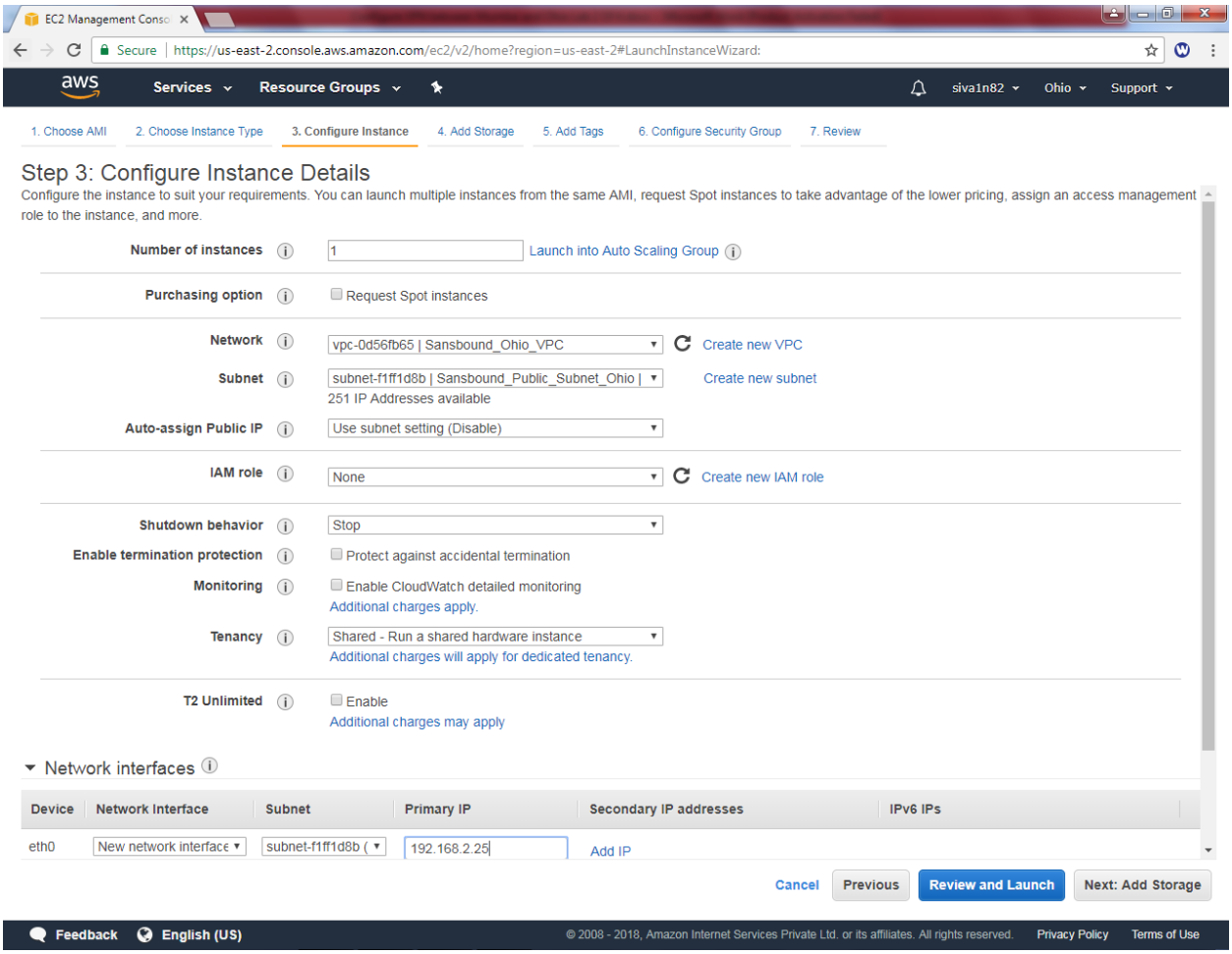


Select General Purpoase (t2.mciro).



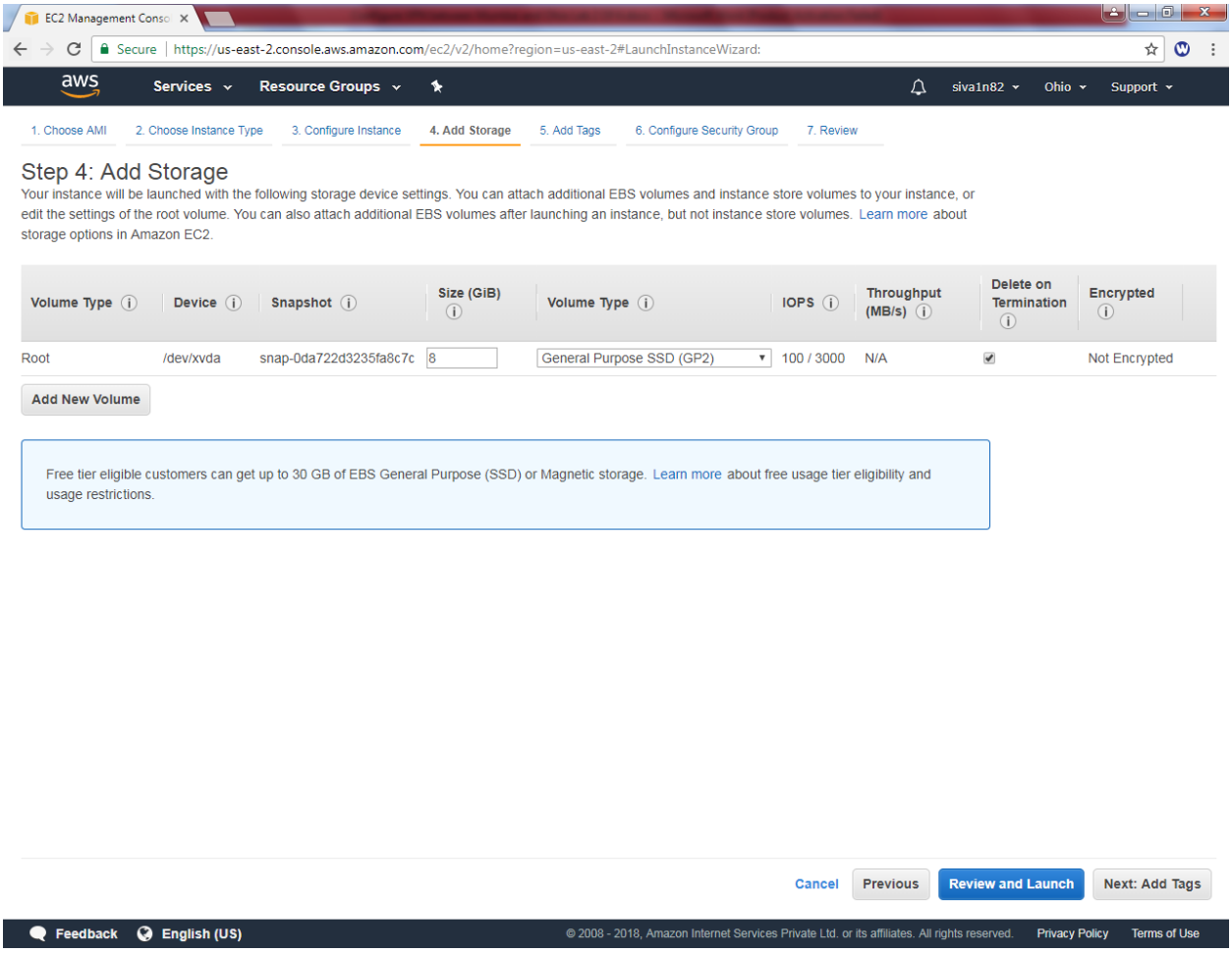
Click “Next”.

Select network as “Sanbound_Ohio_VPC”, subnet as “Sansbound Private Subnet” and Auto-assign Public IP as disable.

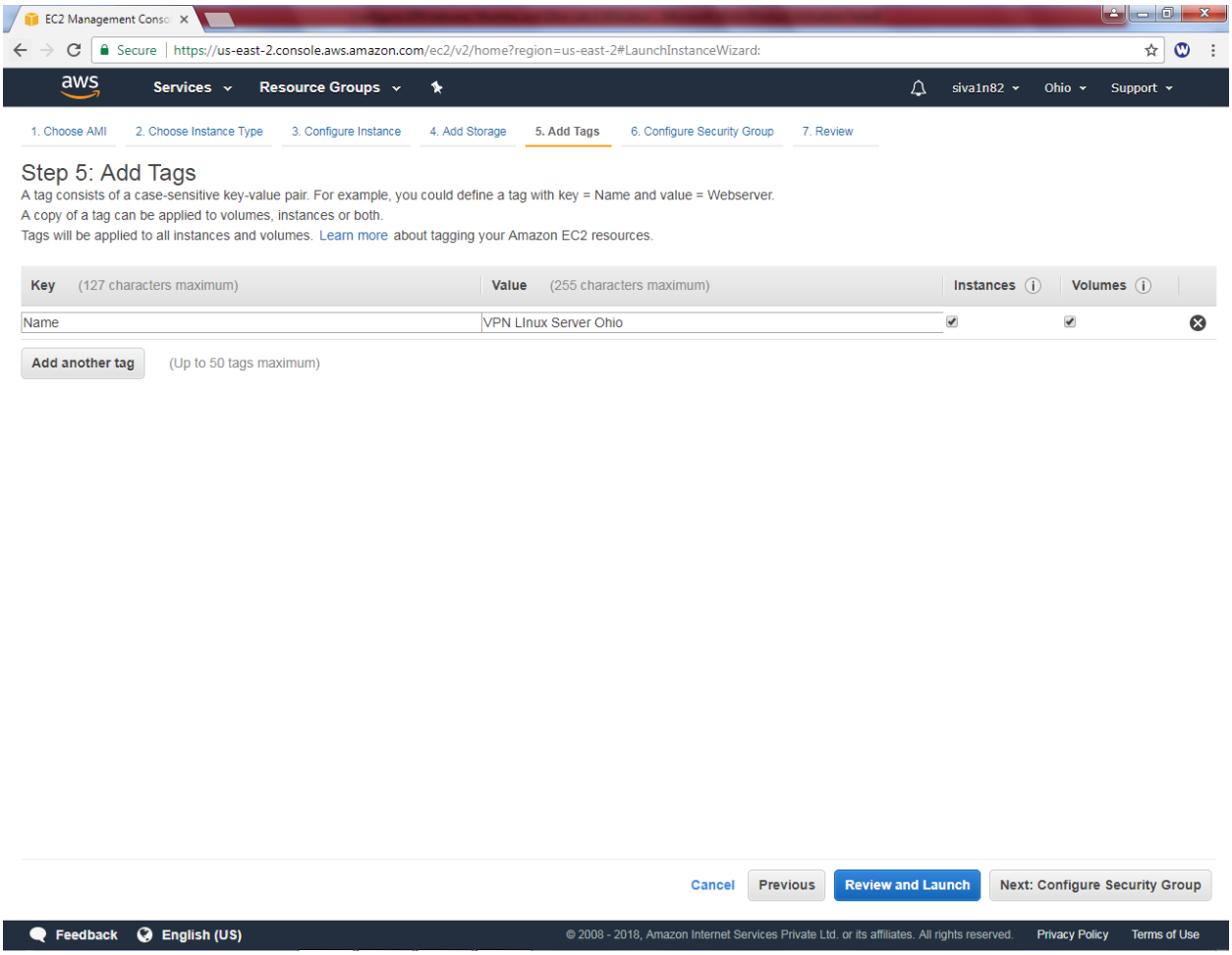


Assign the interface ip as 192.168.2.25 and click ”Next”.

Leave default settings and click “Next”.

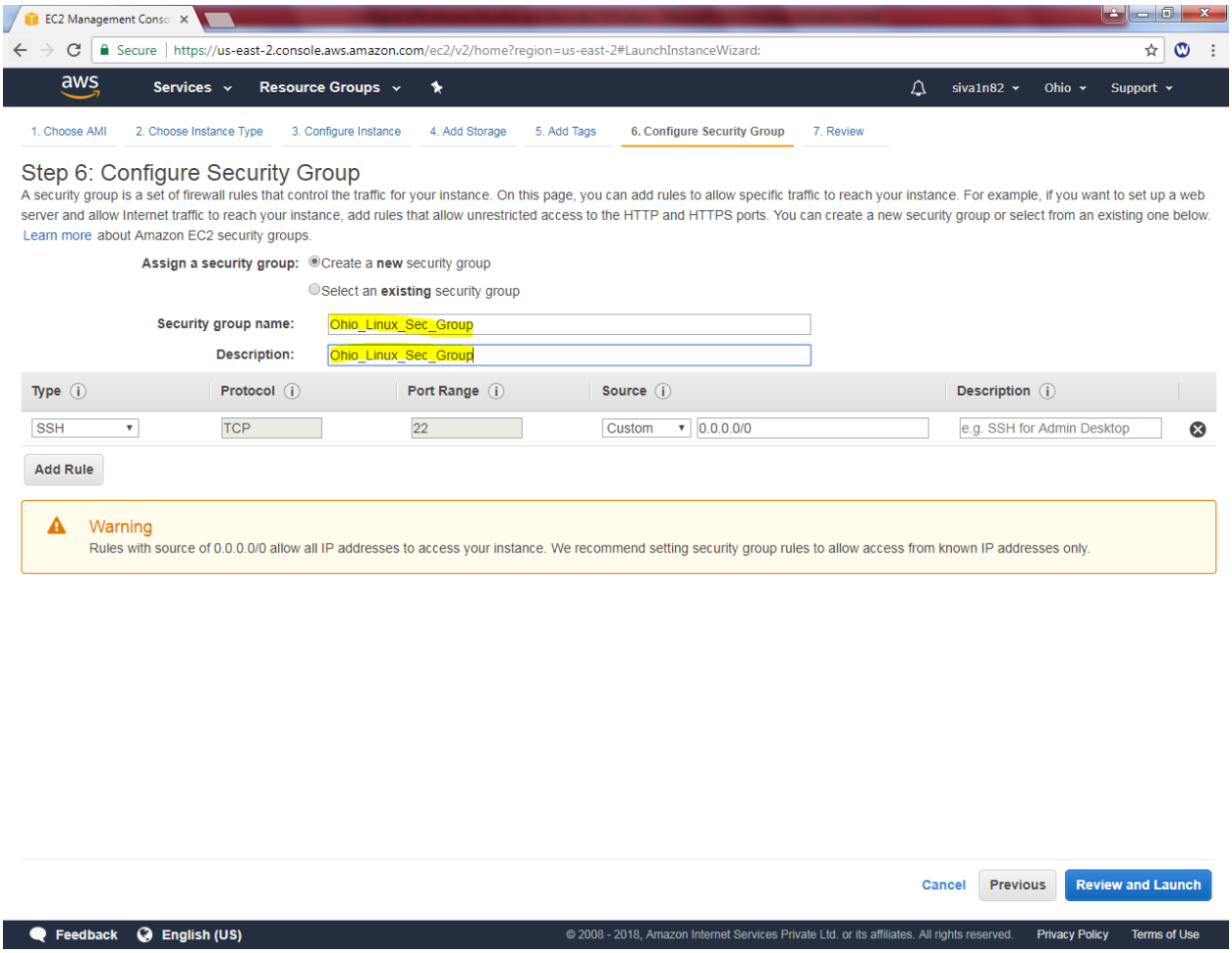


Key as name and Value “VPN Linux Server Ohio”.



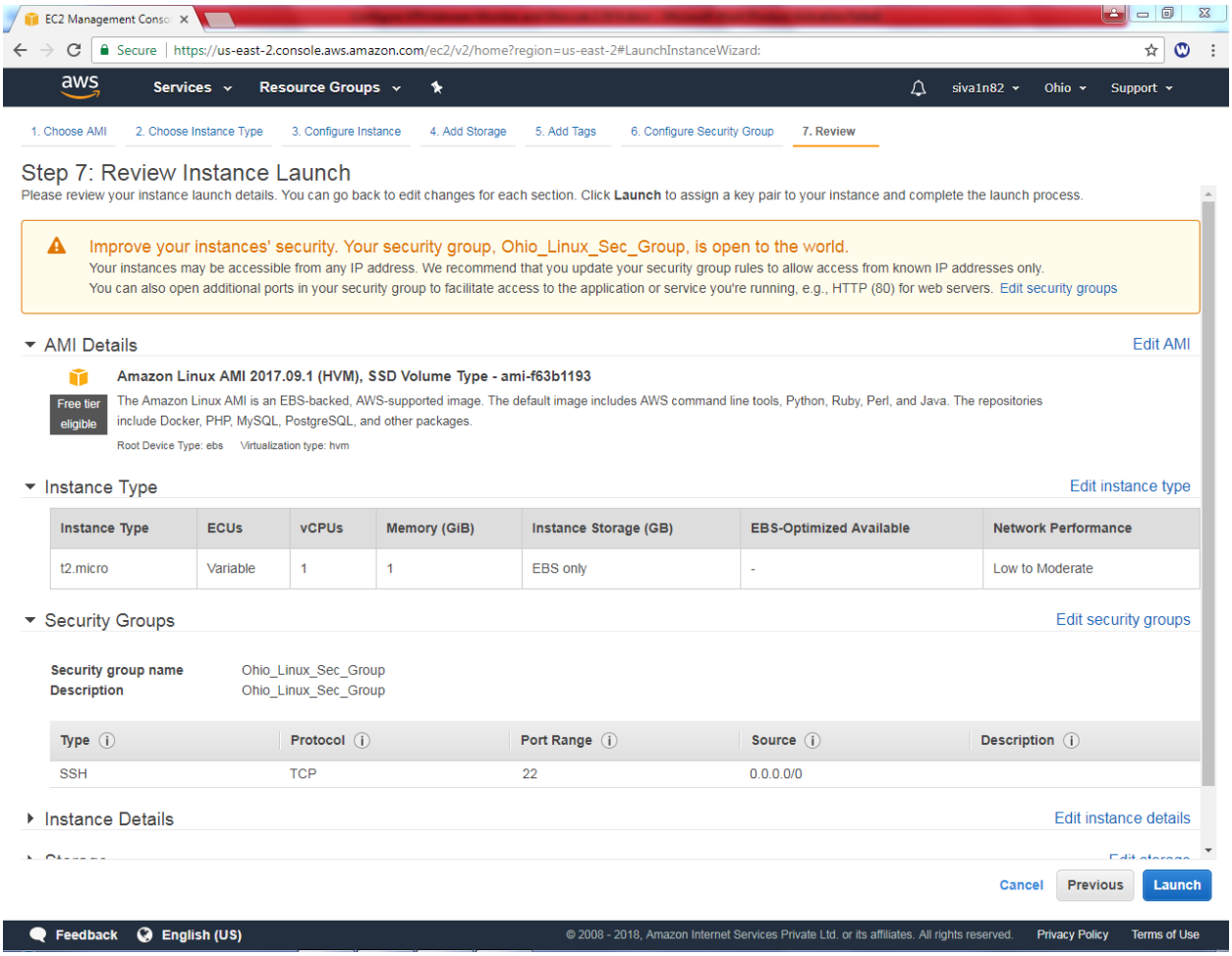
Click “Next”.

Create a new security group as Ohio_Linux_Sec_Group.

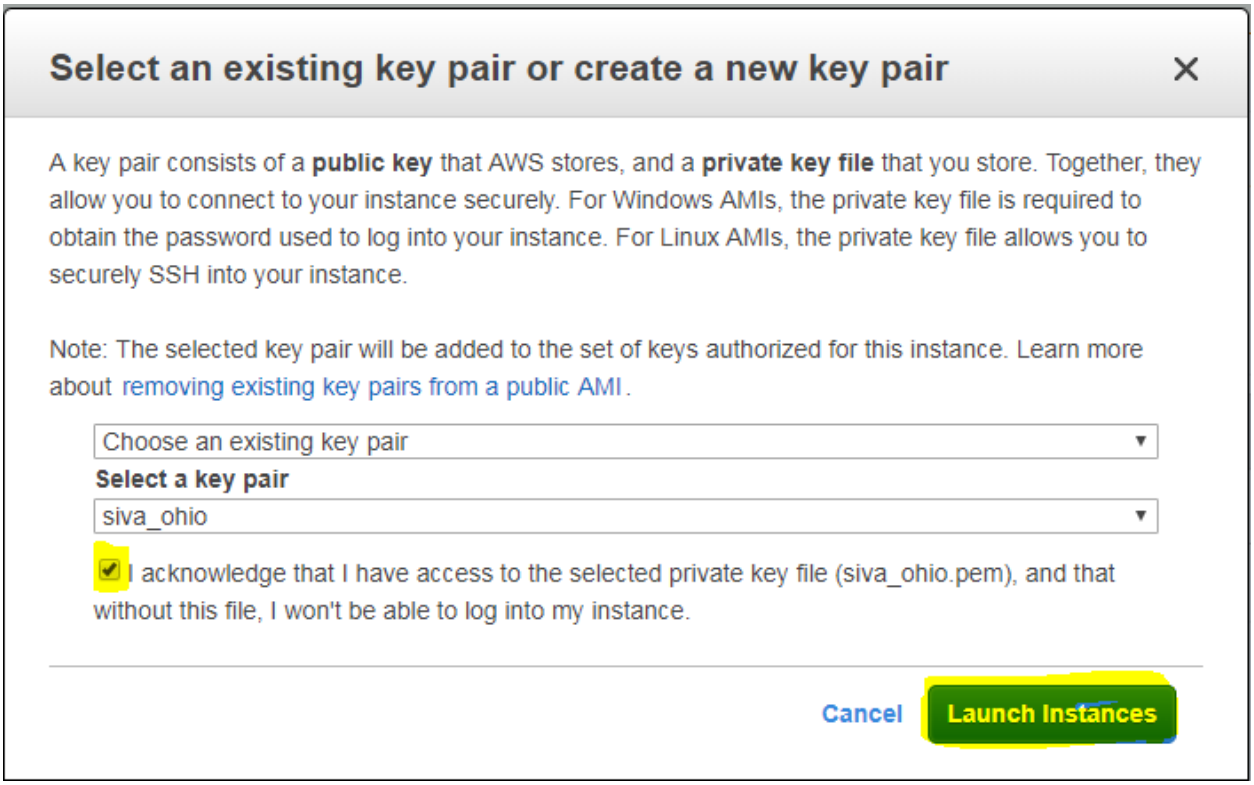


Click “Review and Launch”

Click “Launch”.

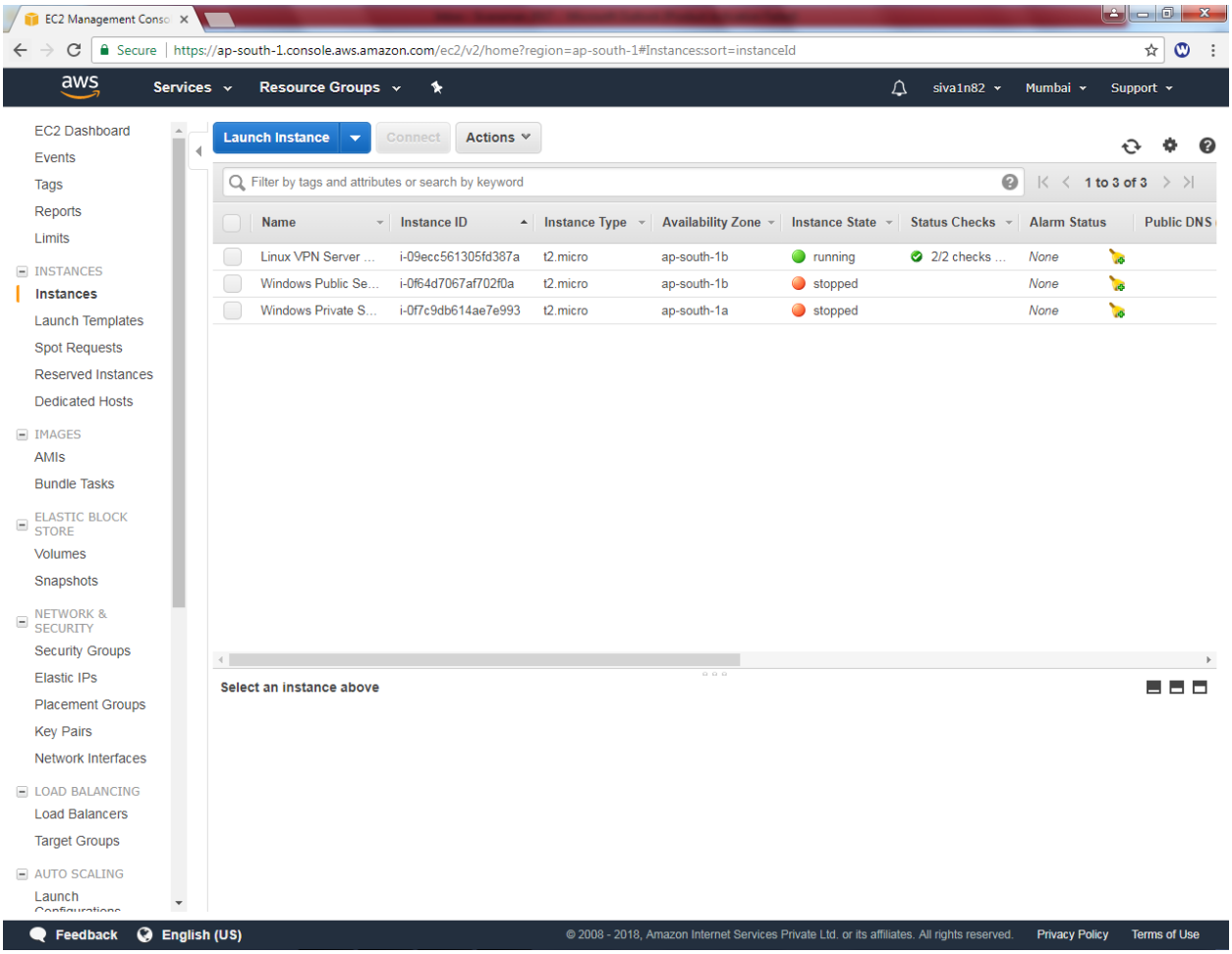


While launch instance, it asks for “Select an existing key pair or create a new key pair”. You can choose an existing key pair and choose the existing key. If you don’t have key need to generate the key.

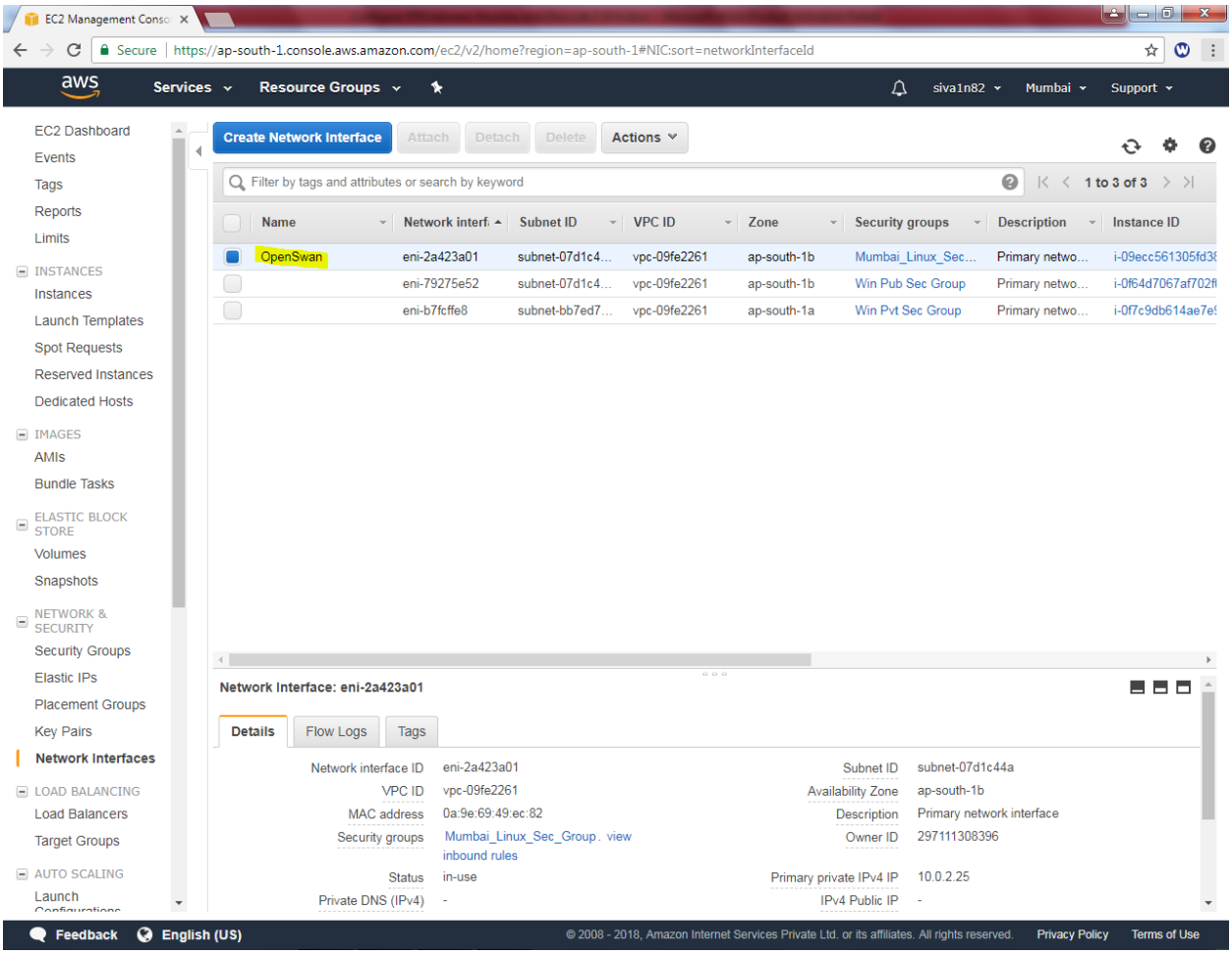


Click “Launch Instance”.

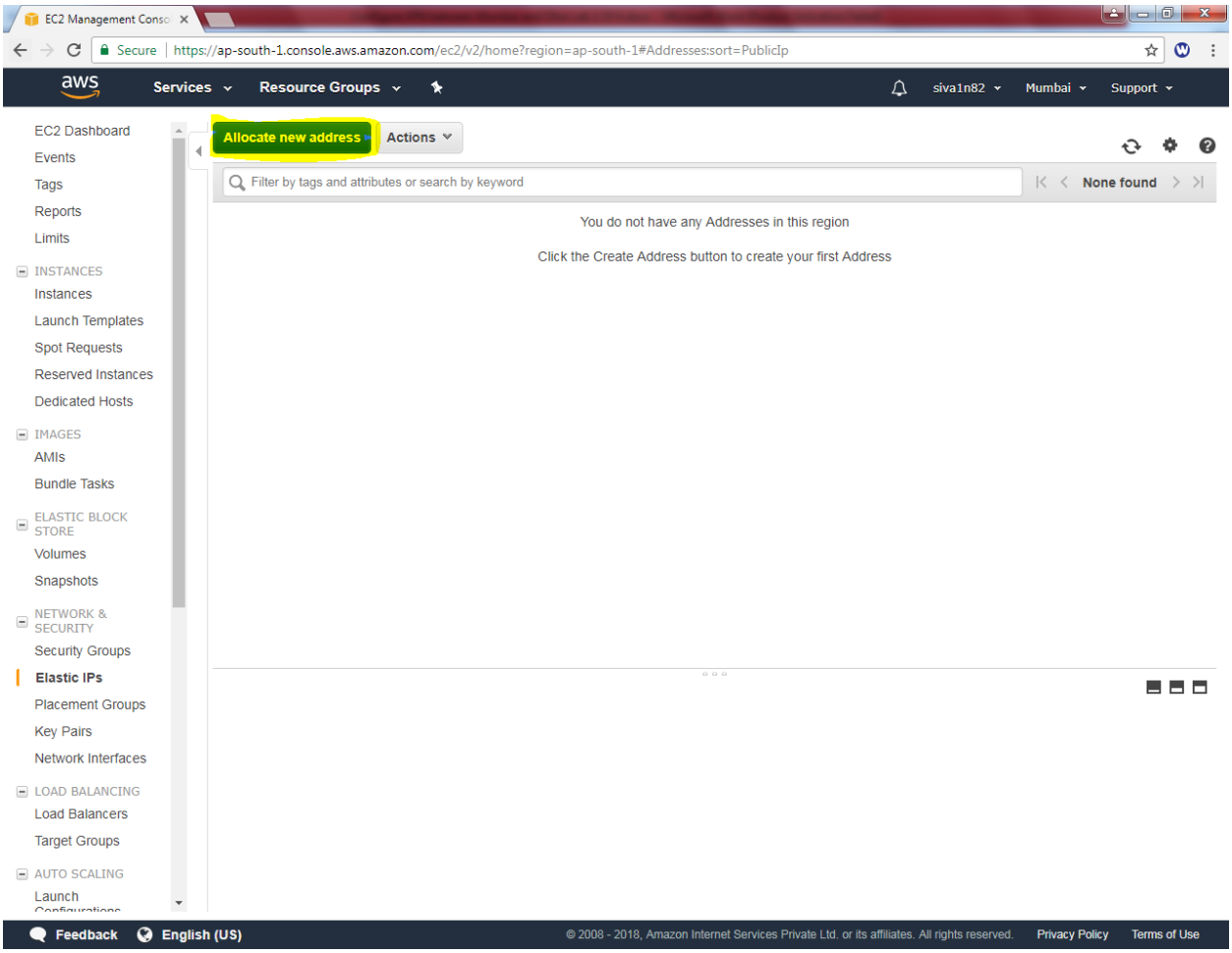
Goto “Mumbai”region.



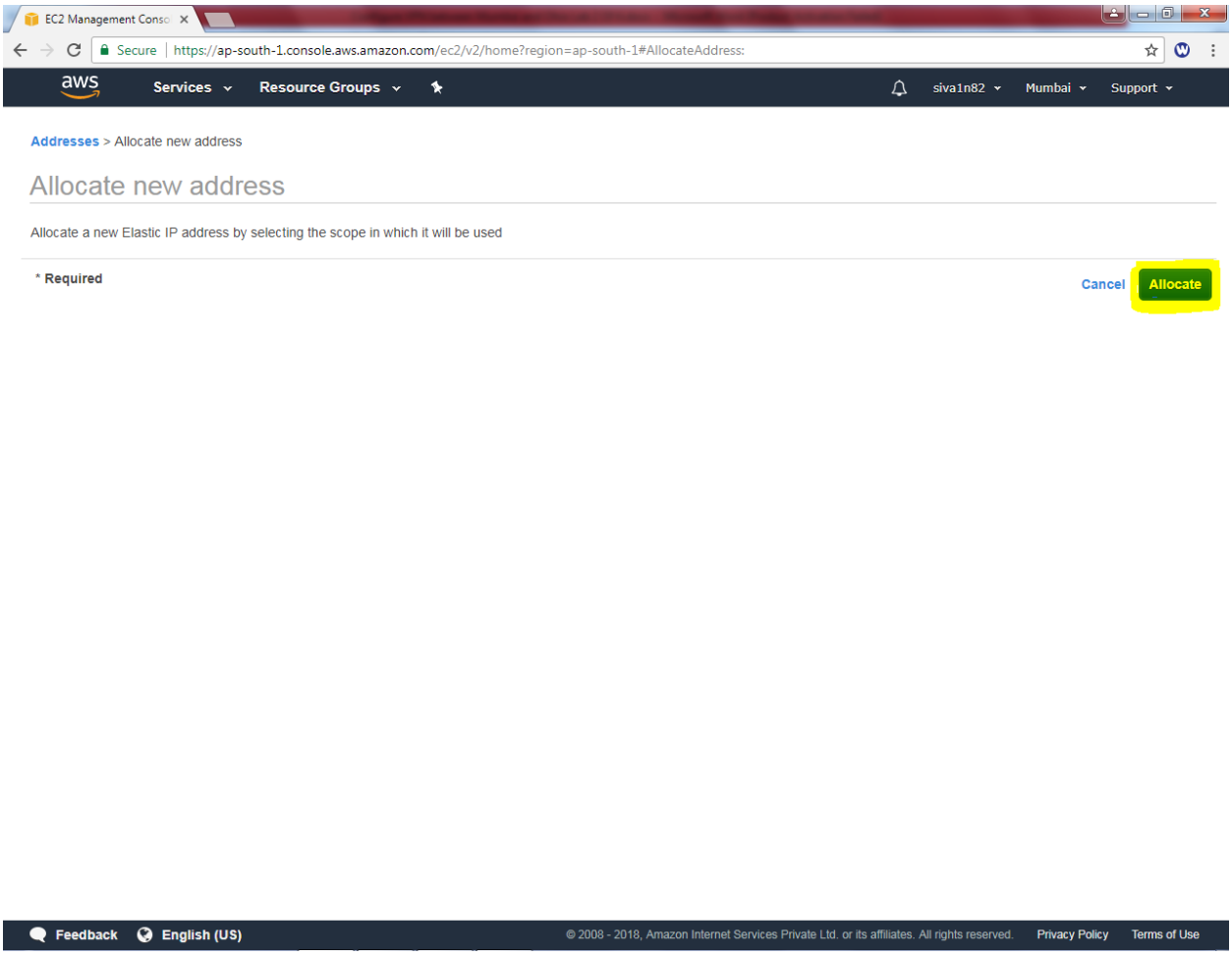
Rename the interface as “Open Swan”.



Click “Elastic IP” and then click “Allocate new address”.



Click “Allocate”.


EC2 Management Conso
Secure | https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#AllocateAddress:
aws
Services
Resource Groups
siva1n82
Mumbai
Support
Addresses > Allocate new address
Allocate new address
Allocate a new Elastic IP address by selecting the scope in which it will be used
* Required
Cancel
Allocate
Feedback
English (US)
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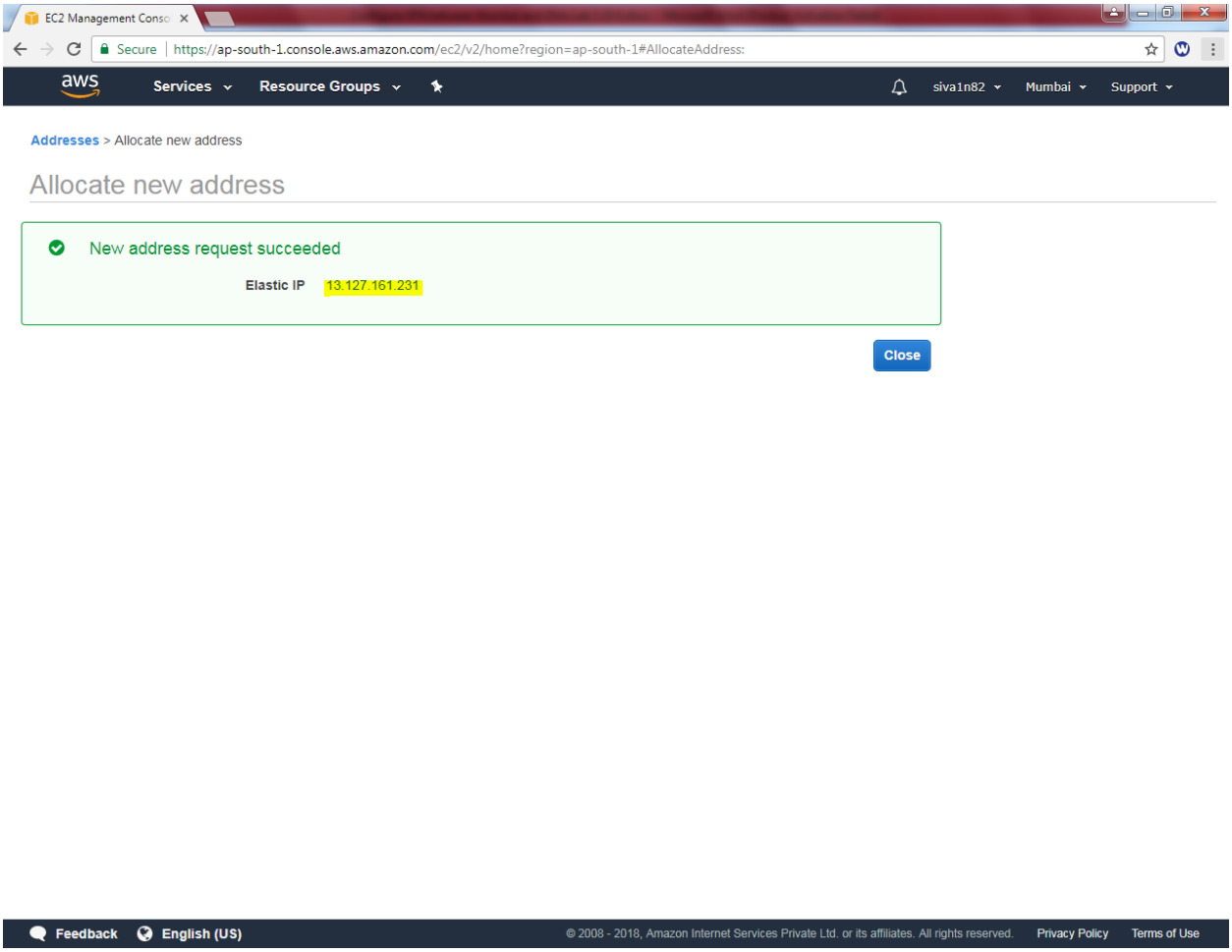
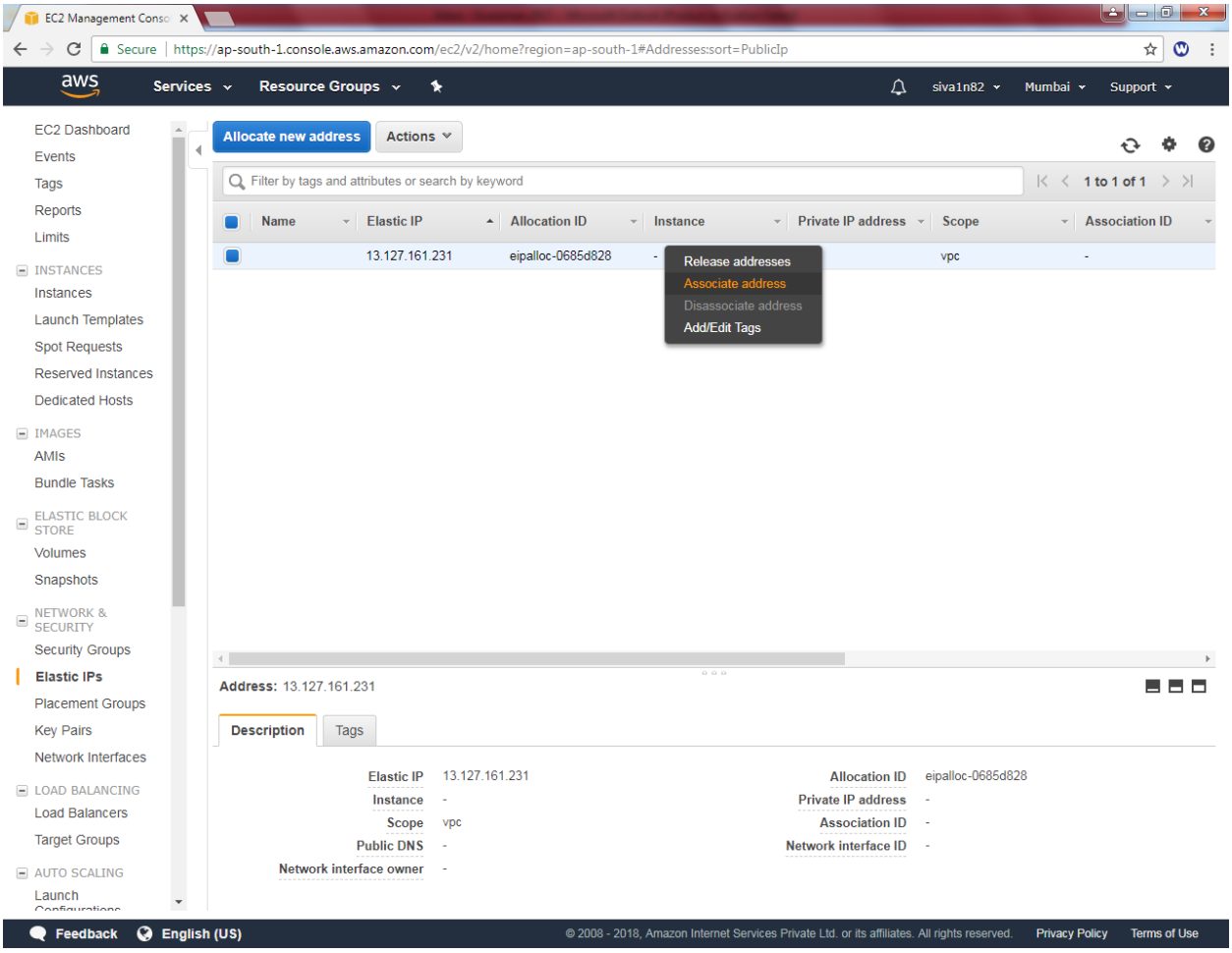
Privacy Policy
Terms of Use

Elastic IP has been assigned in Mumbai region.

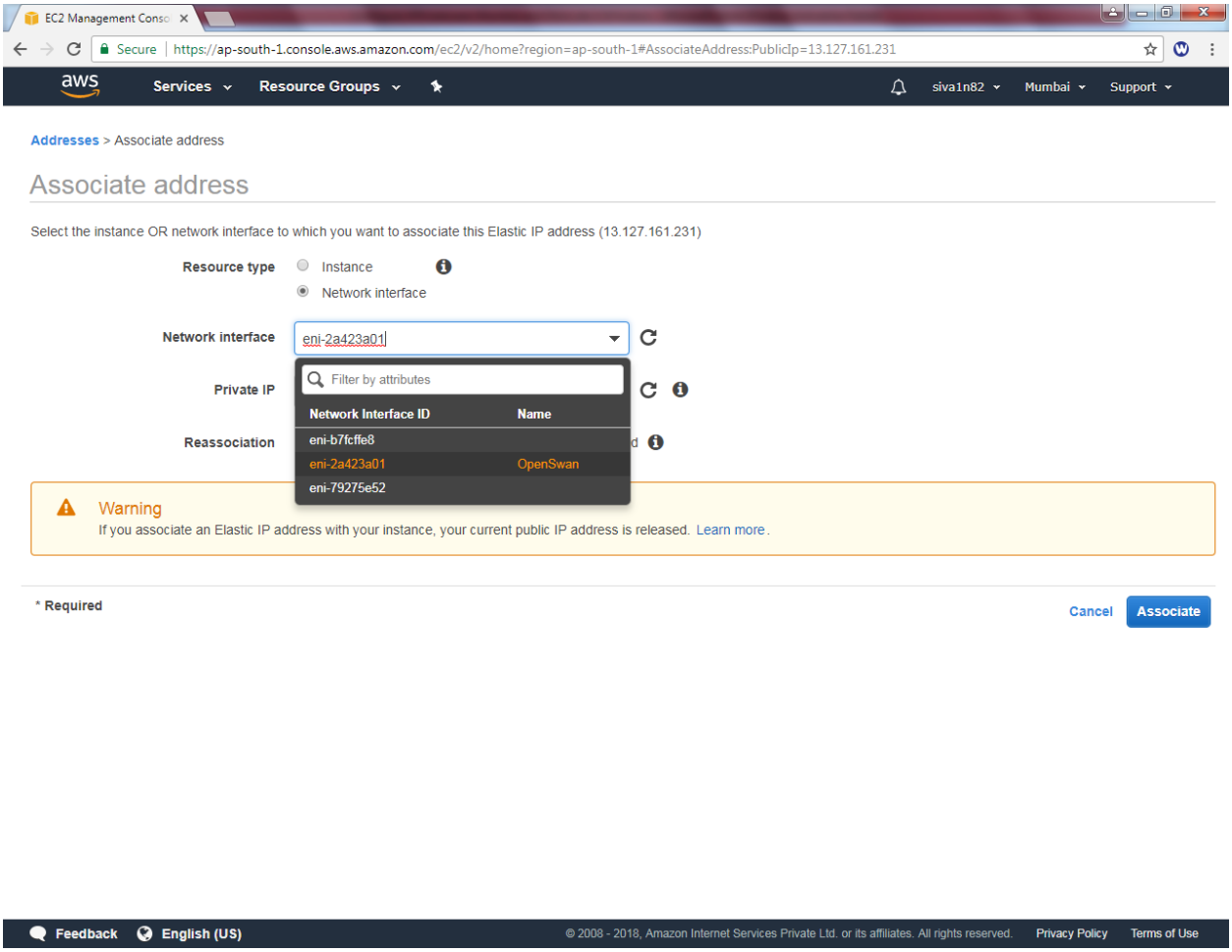


Click “Close”.

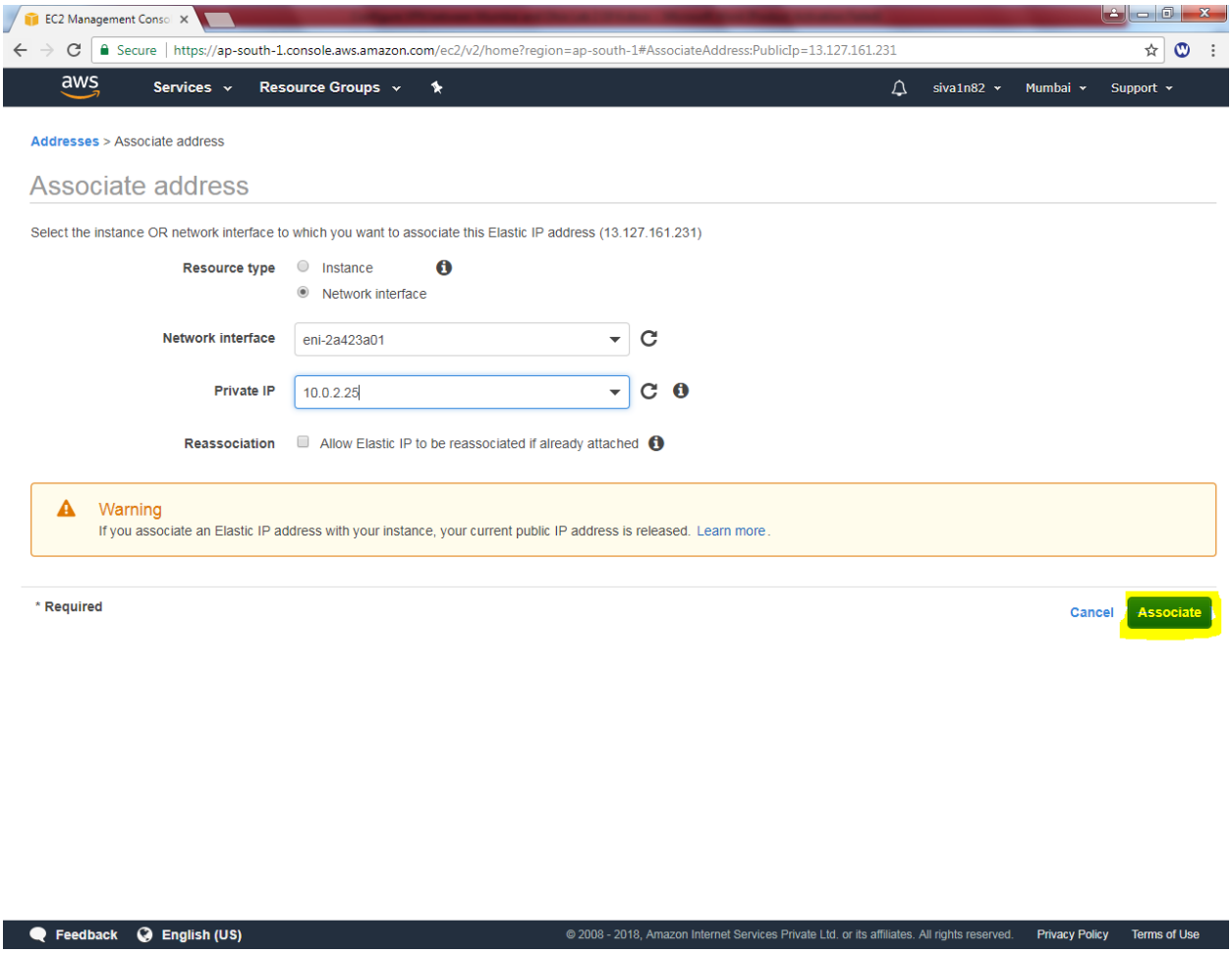
Select the Elastic IP and right click Select “Associate address”



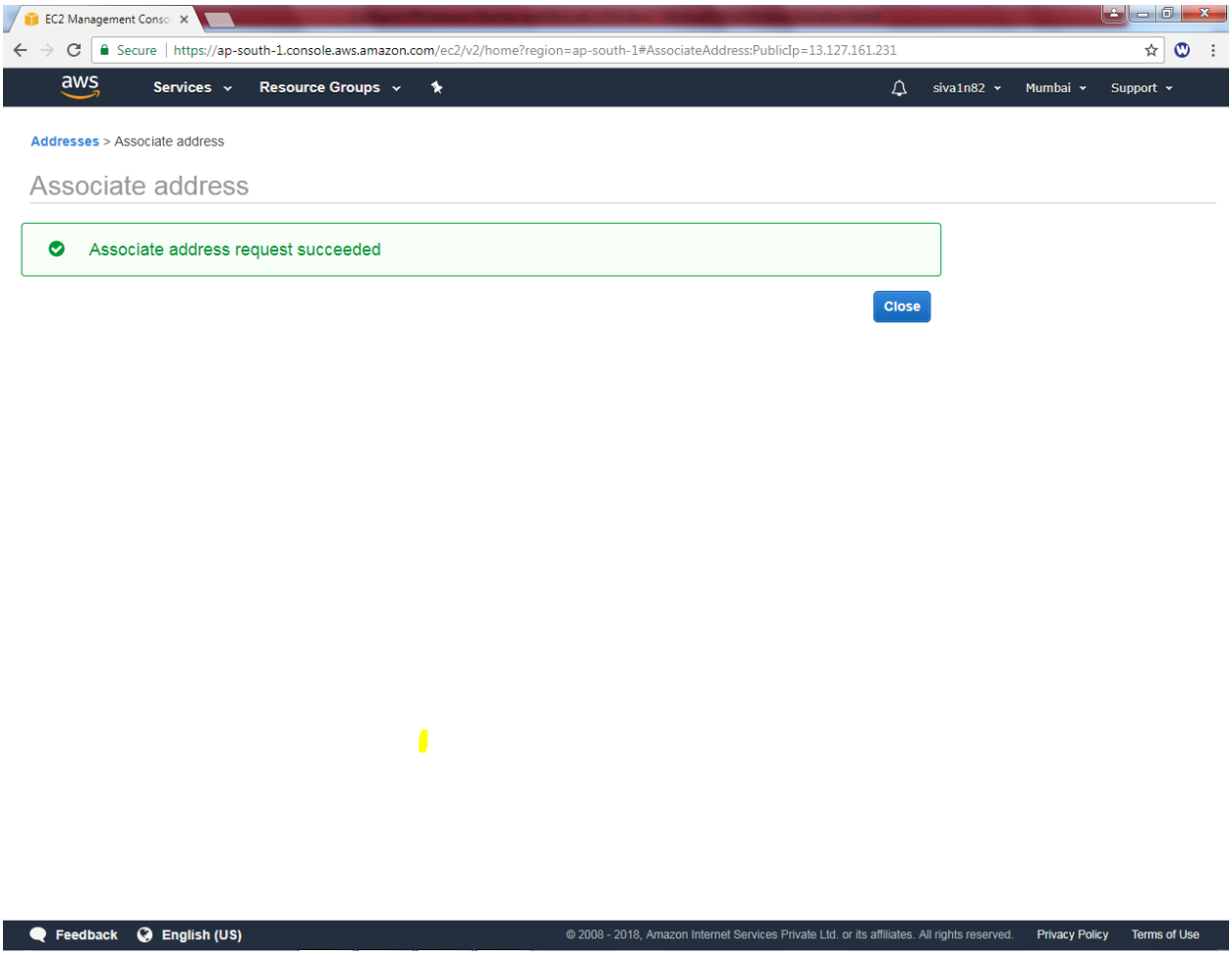
Select the network interface.



Select Private Ip address andclick “Associate”.



Associate address request succeeded.


EC2 Management Conso
Secure | https://ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#AssociateAddress:PublicIp=13.127.161.231
aws
Services
Resource Groups
siva1n82
Mumbai
Support
Addresses > Associate address
Associate address
Associate address request succeeded
Close
Feedback
English (US)
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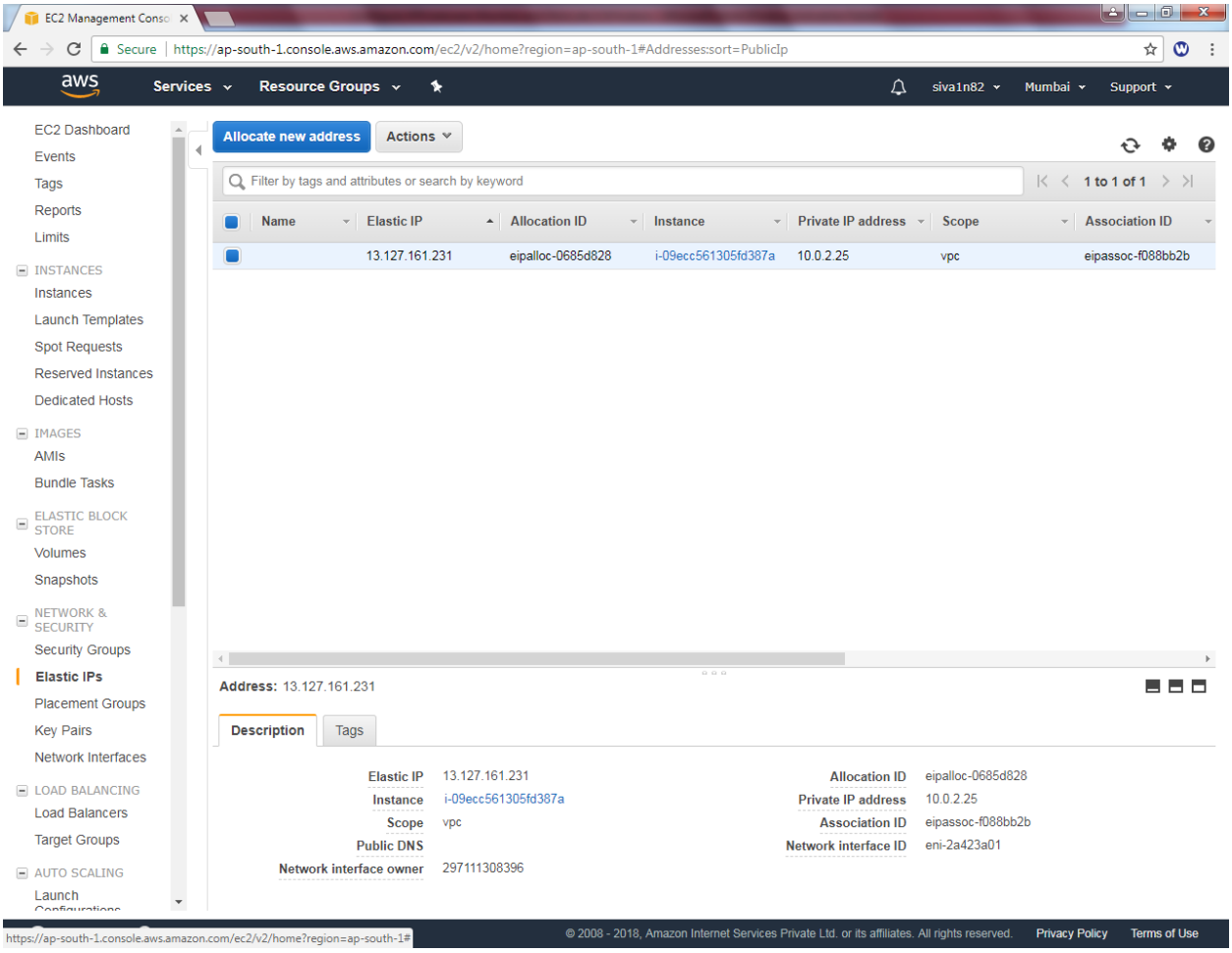
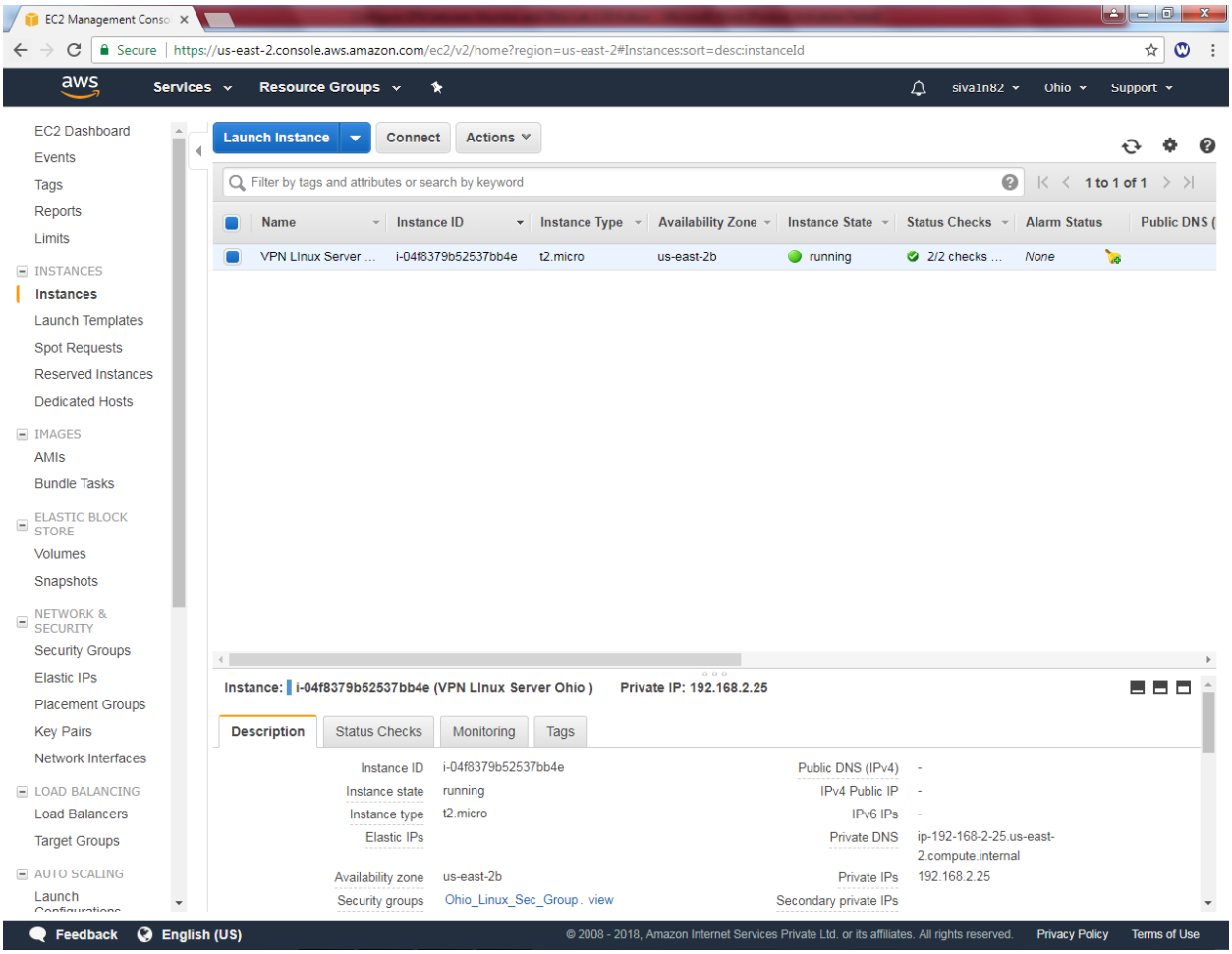
Privacy Policy
Terms of Use

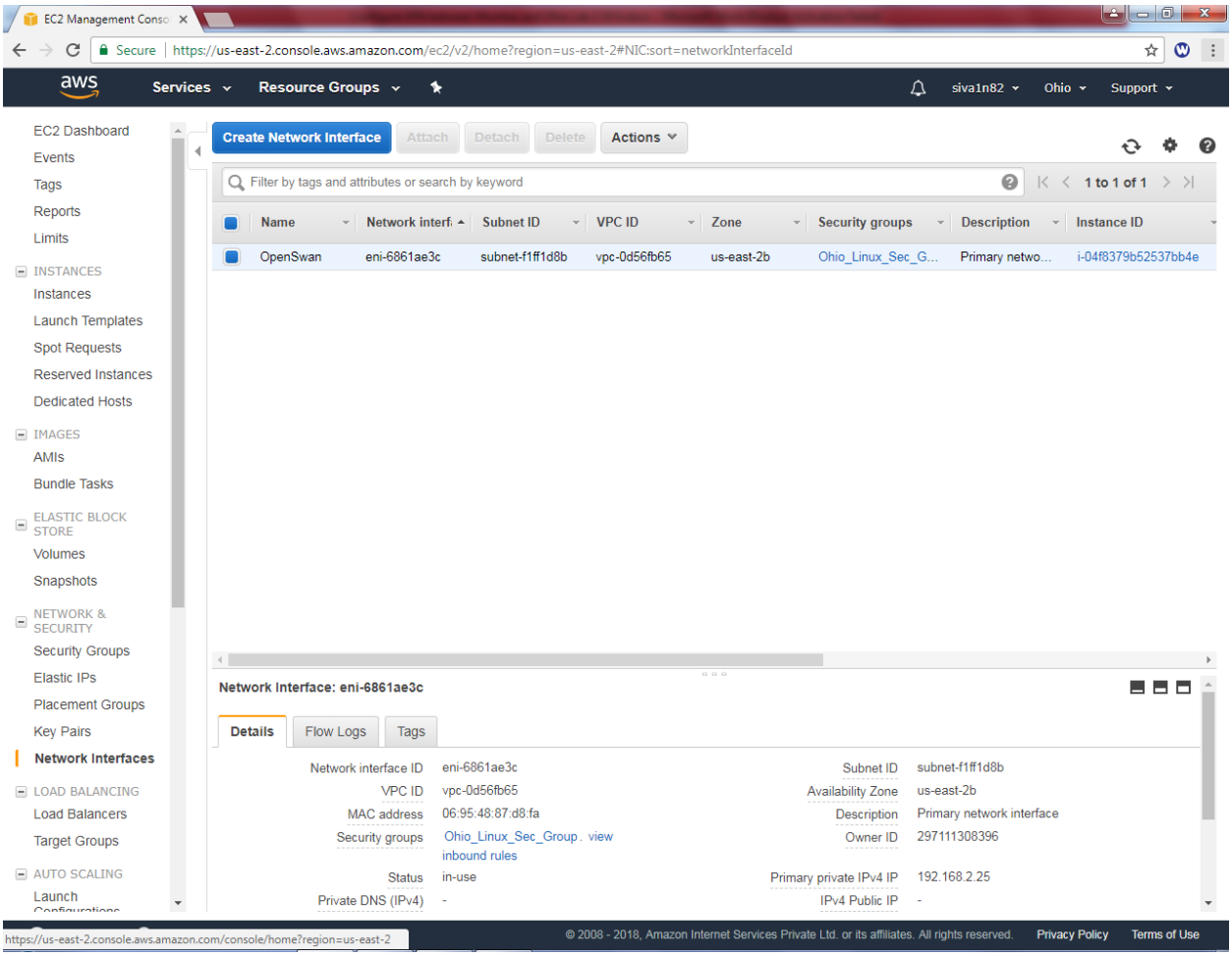
Now the interface has been assigned with public ip address.



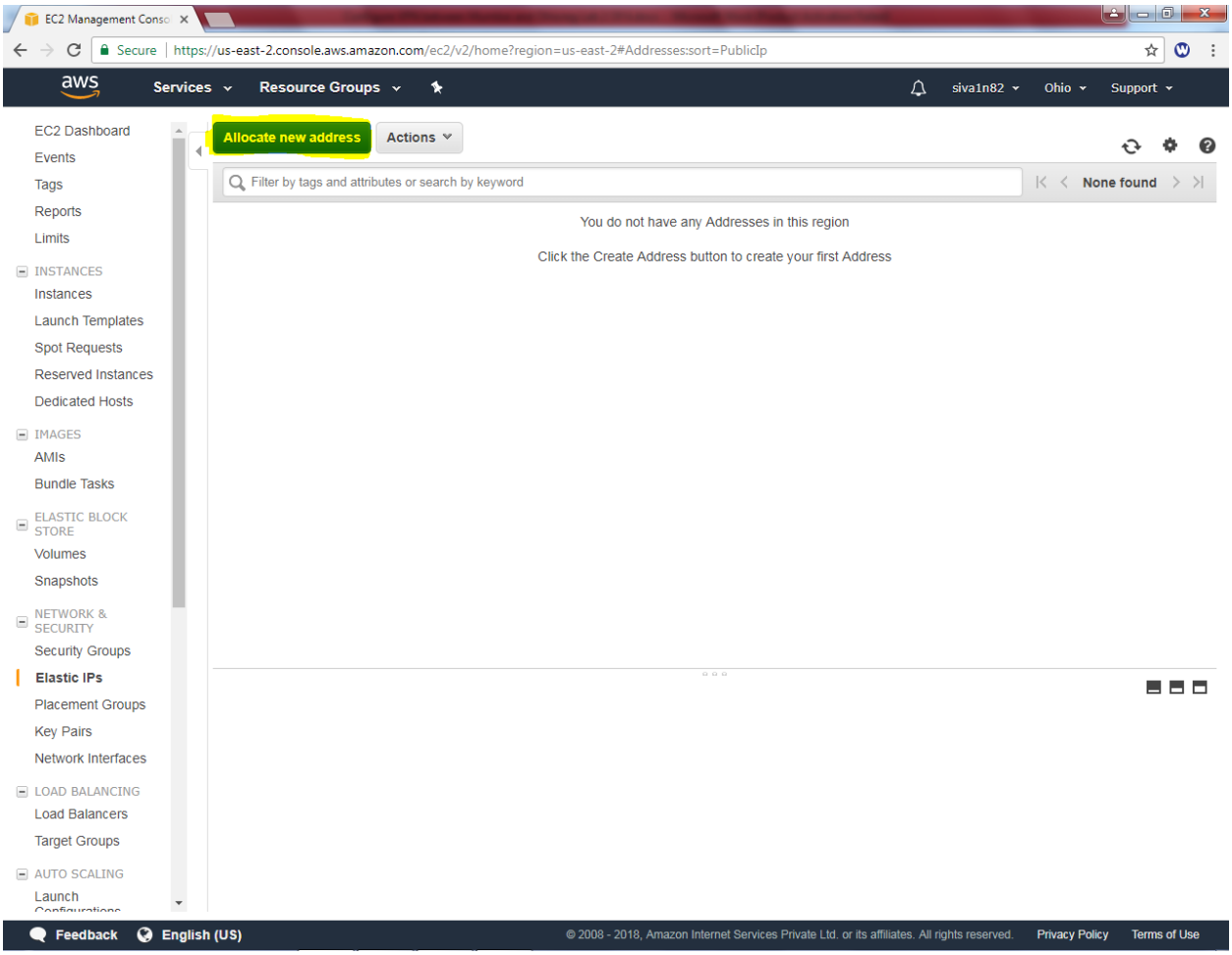
Go to Ohio region,



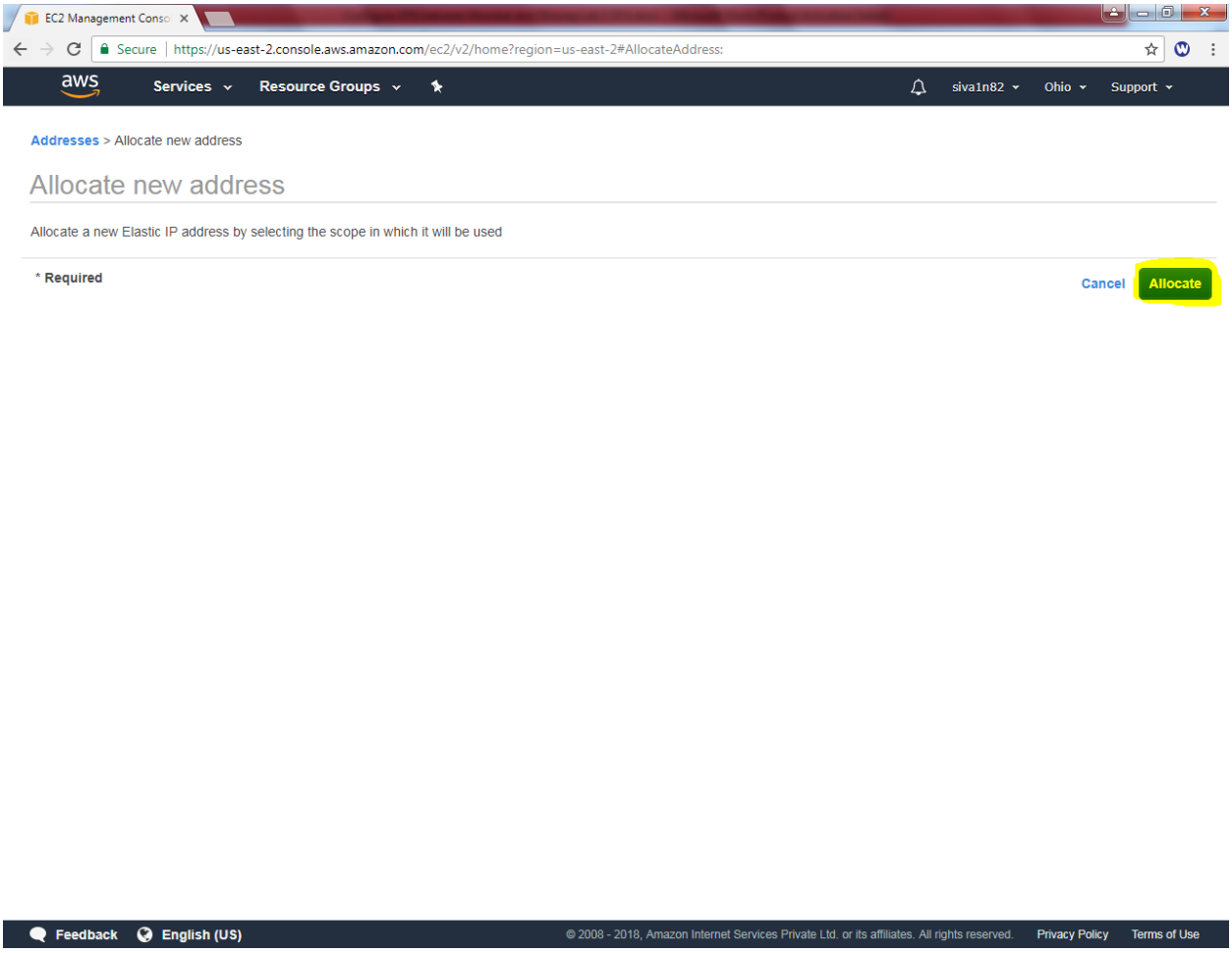
Rename the interface name as “Openswan”.



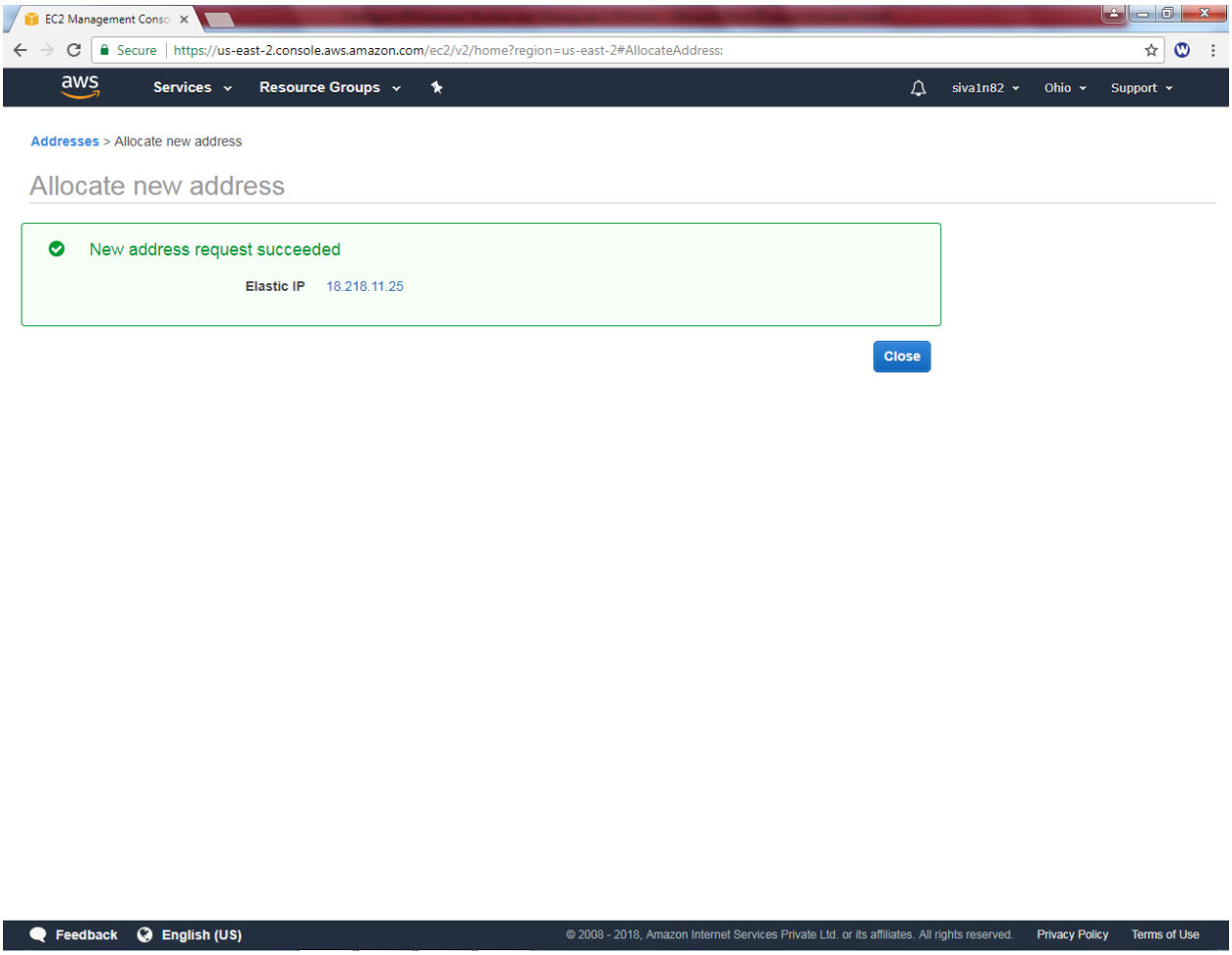
Click “Allocate new address”.



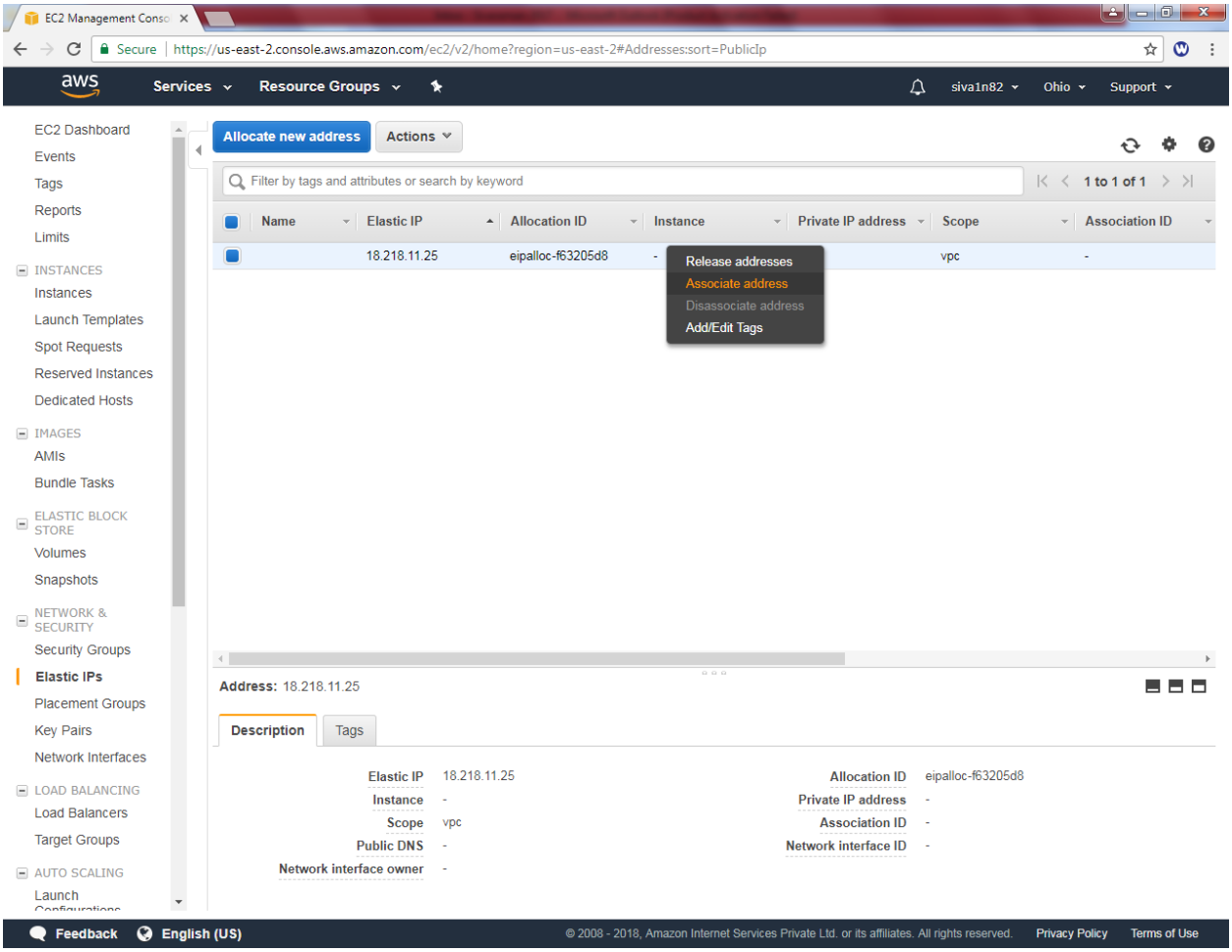
Click “Allocate”.



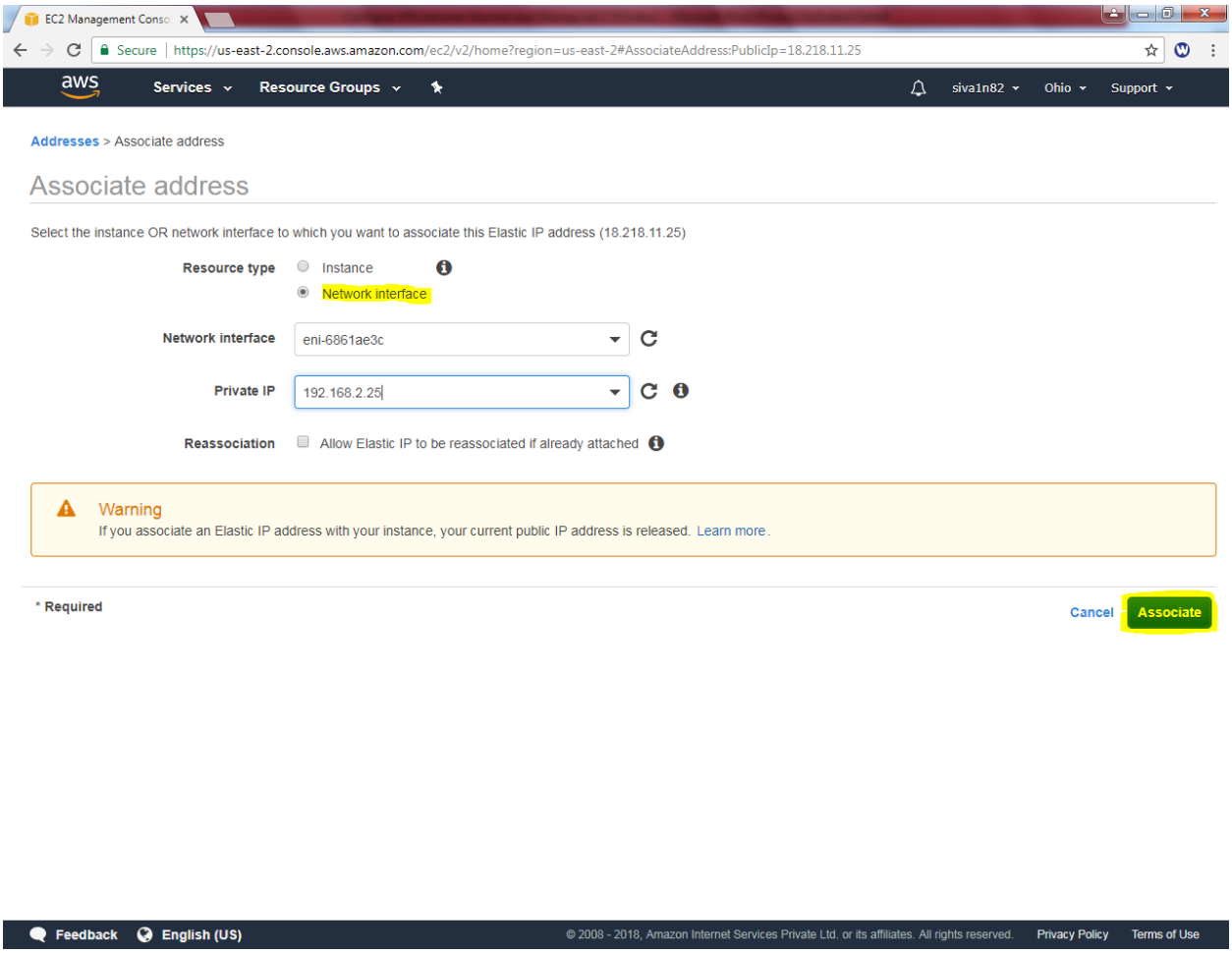
Elastic Ip has been provided.



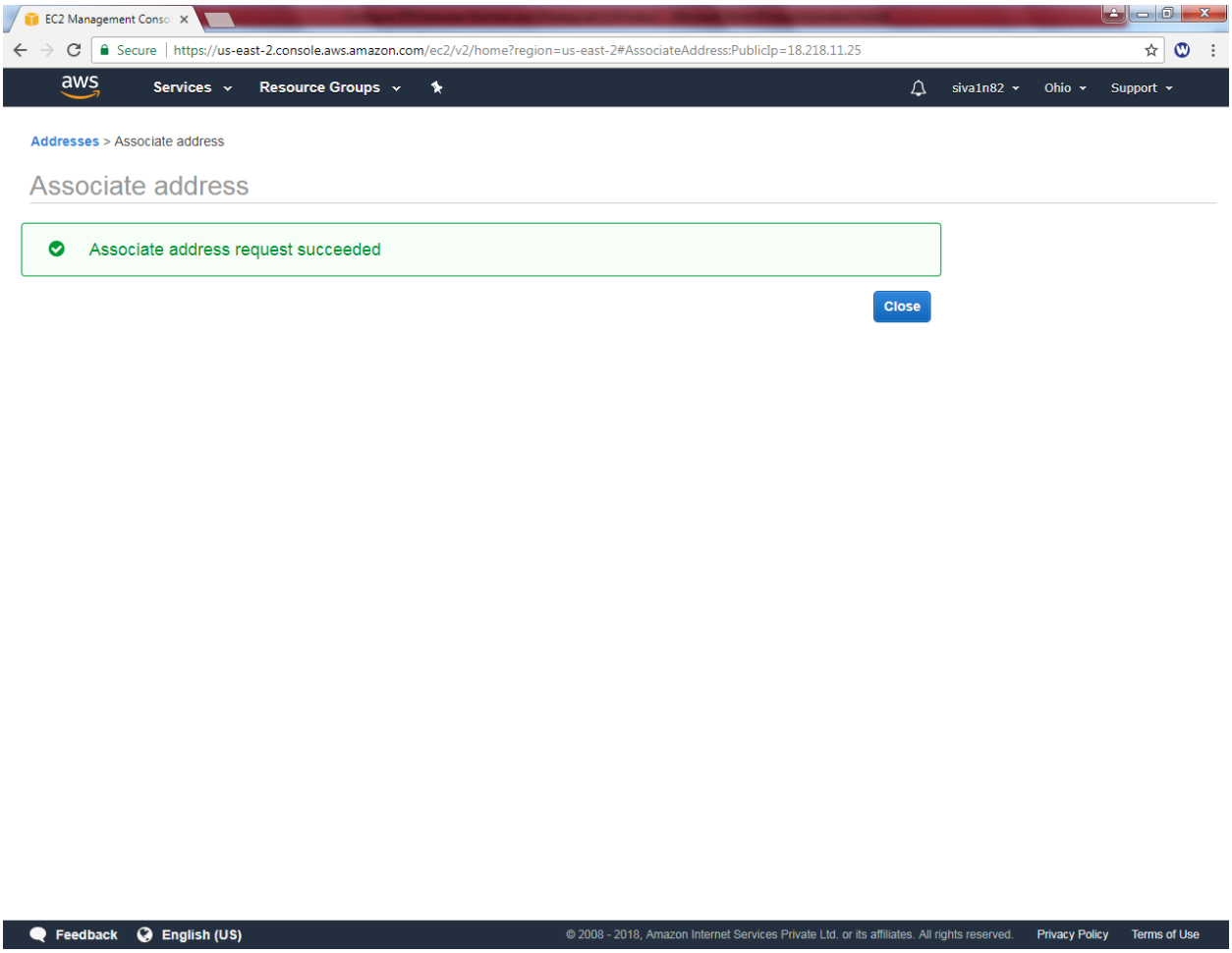
The IP address needs to be associated. Select the IP and right click and then select “Associate address”.



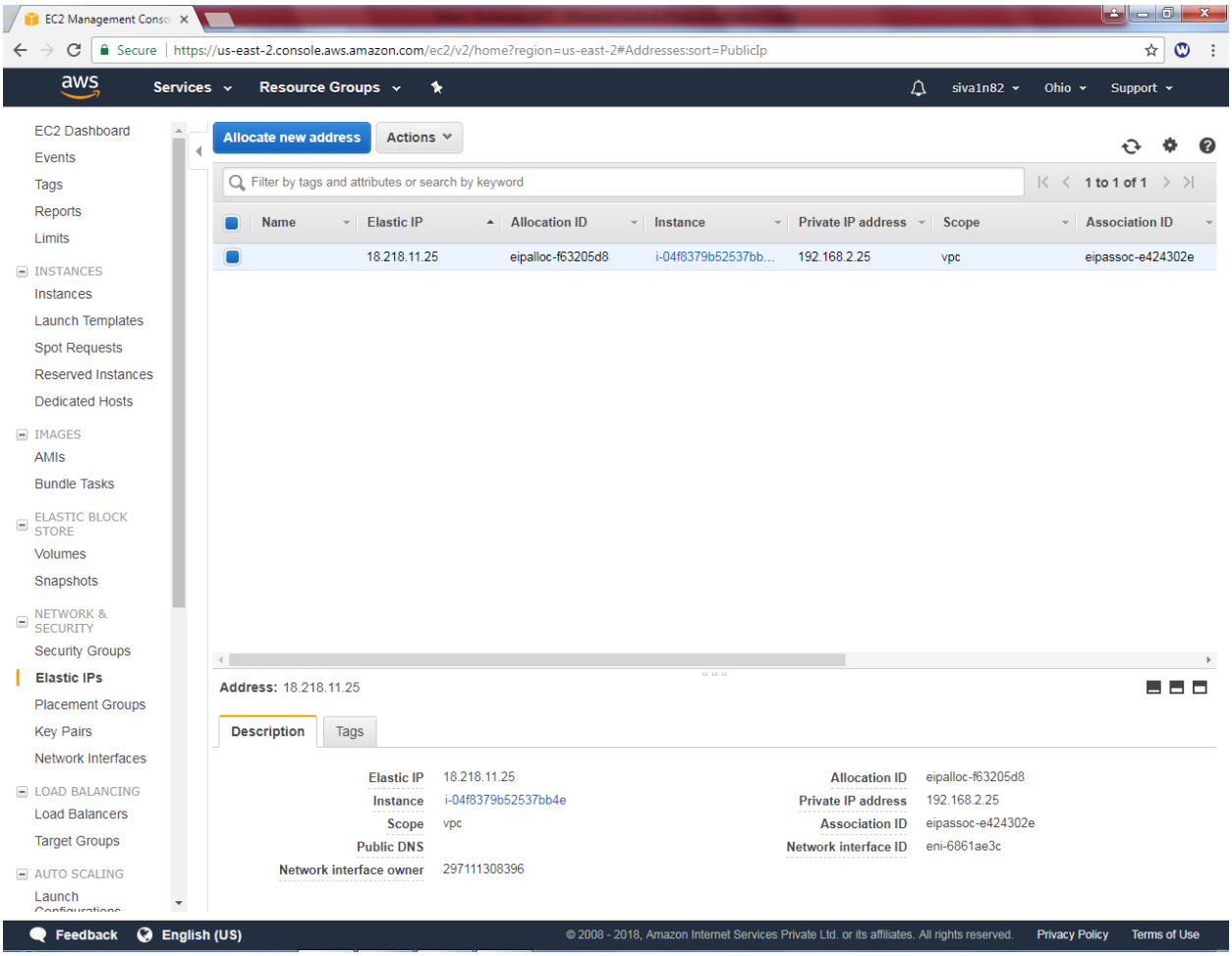
Select Resource type as “Network interface”, Select network interface and Private IP.



Click “Associate”.



Now Elastic ip has been assigned to interface.


EC2 Management Conso
Secure | https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Addresses:sort=PublicIp
aws
Services
Resource Groups
siva1n82
Ohio
Support
EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Launch Templates
Spot Requests
Reserved Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Placement Groups
Key Pairs
Network Interfaces
LOAD BALANCING
Load Balancers
Target Groups
AUTO SCALING
Launch
Allocate new address
Actions
Filter by tags and attributes or search by keyword
1 to 1 of 1
Name
Elastic IP
Allocation ID
Instance
Private IP address
Scope
Association ID
18.218.11.25
eipalloc-f63205d8
i-04f8379b52537bb...
192.168.2.25
vpc
eipassoc-e424302e
Address: 18.218.11.25
Description
Tags
Elastic IP 18.218.11.25
Instance i-04f8379b52537bb4e
Scope vpc
Public DNS
Network interface owner 297111308396
Allocation ID eipalloc-f63205d8
Private IP address 192.168.2.25
Association ID eipassoc-e424302e
Network interface ID eni-6861ae3c
Feedback
English (US)
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