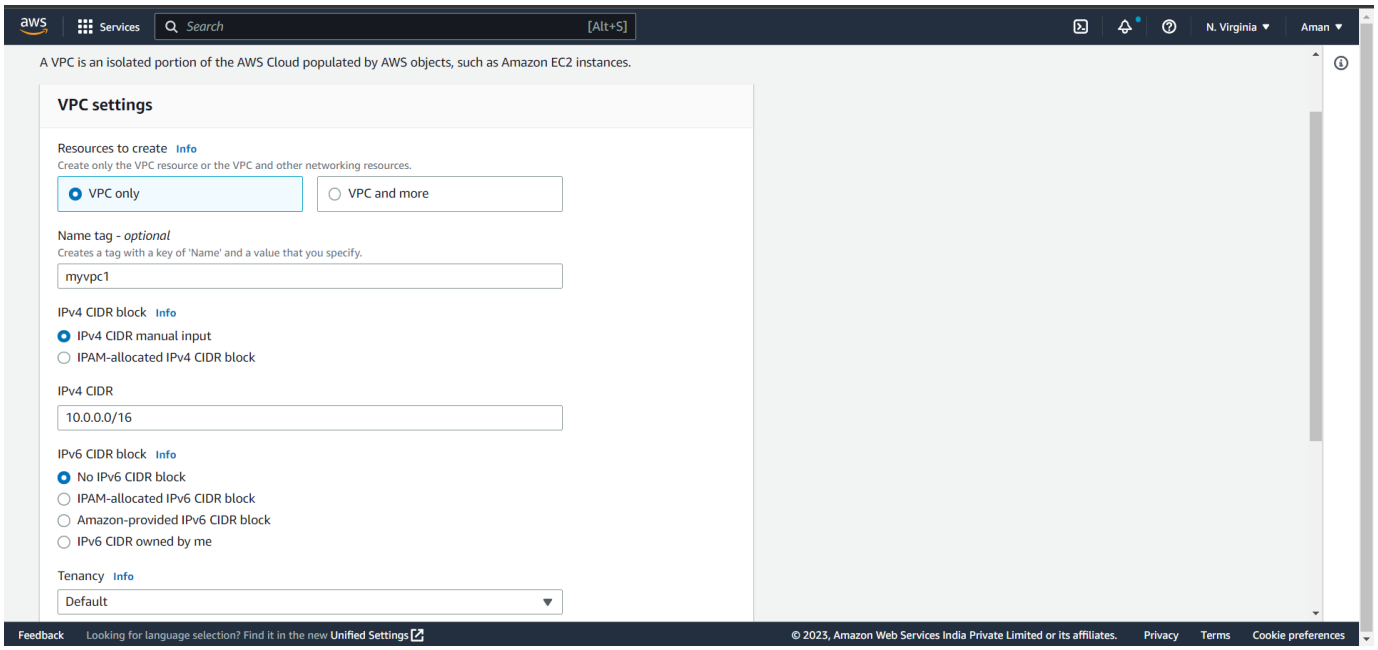
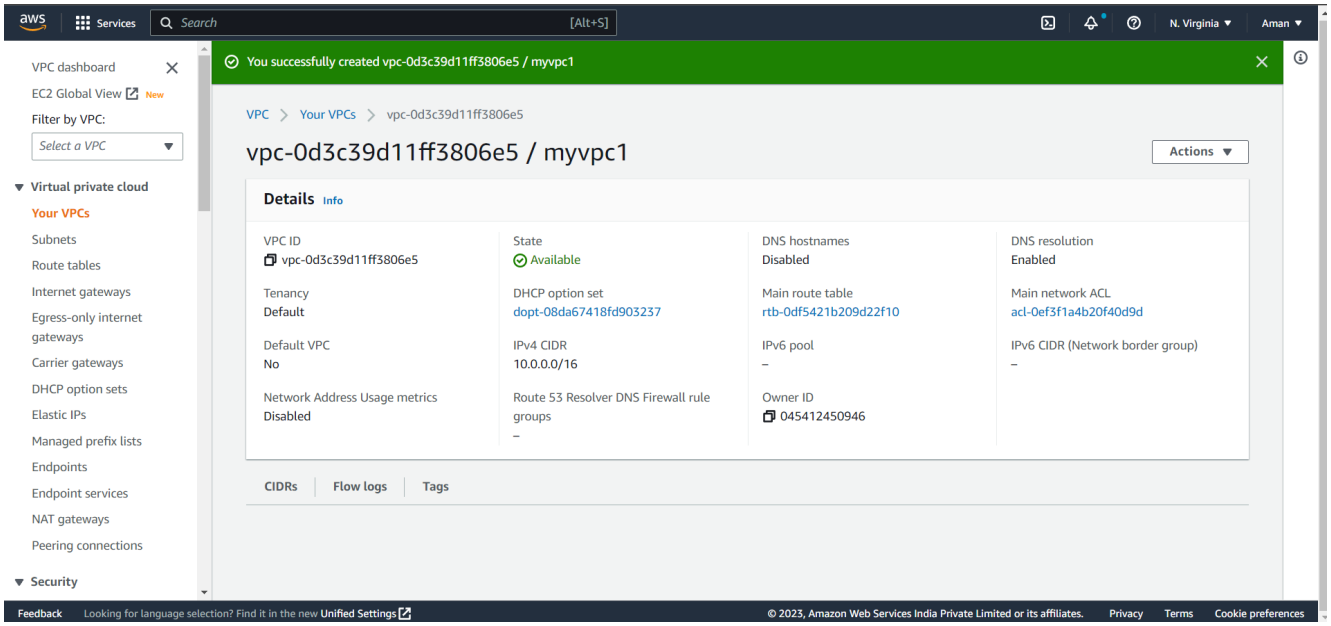
# Assignment 7

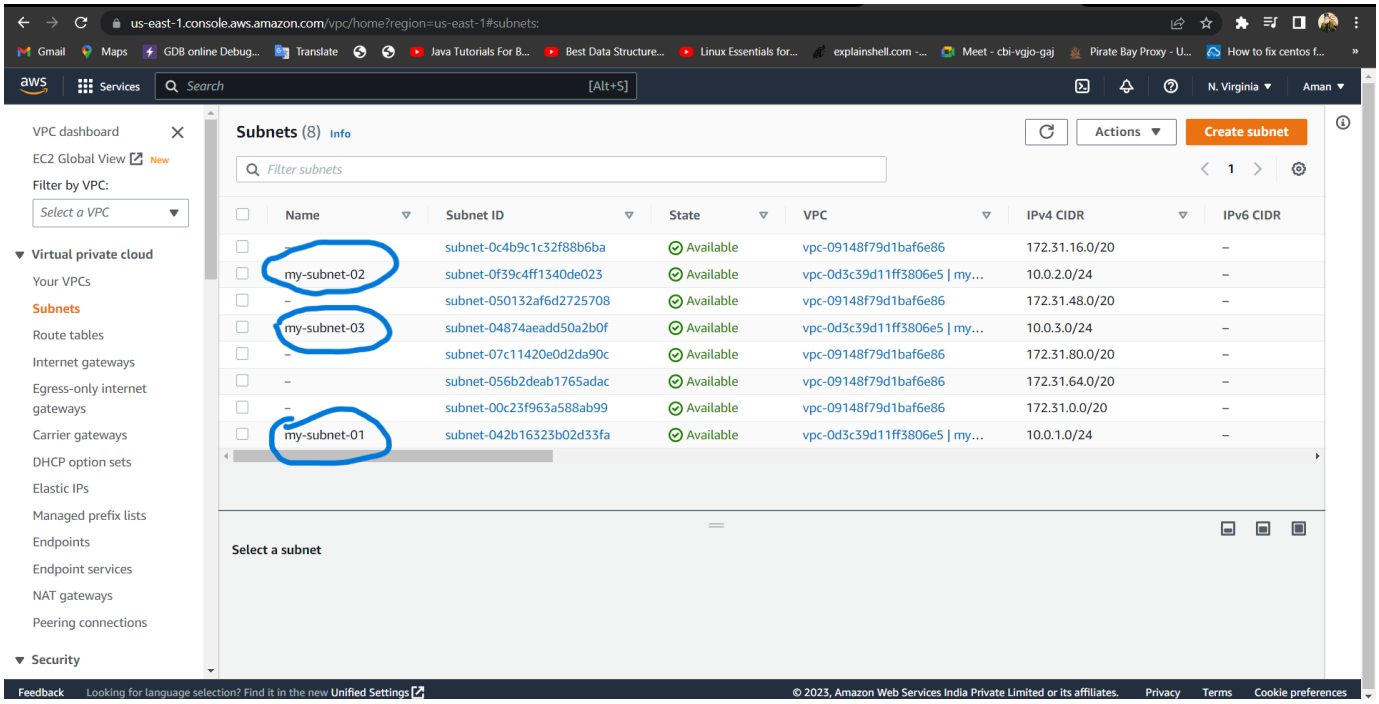
Ques 1:
Create your own new custom VPC
- And configure your EC2 linux instance inside your custom VPC
- and then create 3 subnets of that VPC
- Attach an internet gateway to your custom VPC

1) I am creating my custom VPC name myvpc1 with 3 subnets. And adding internet gateway.

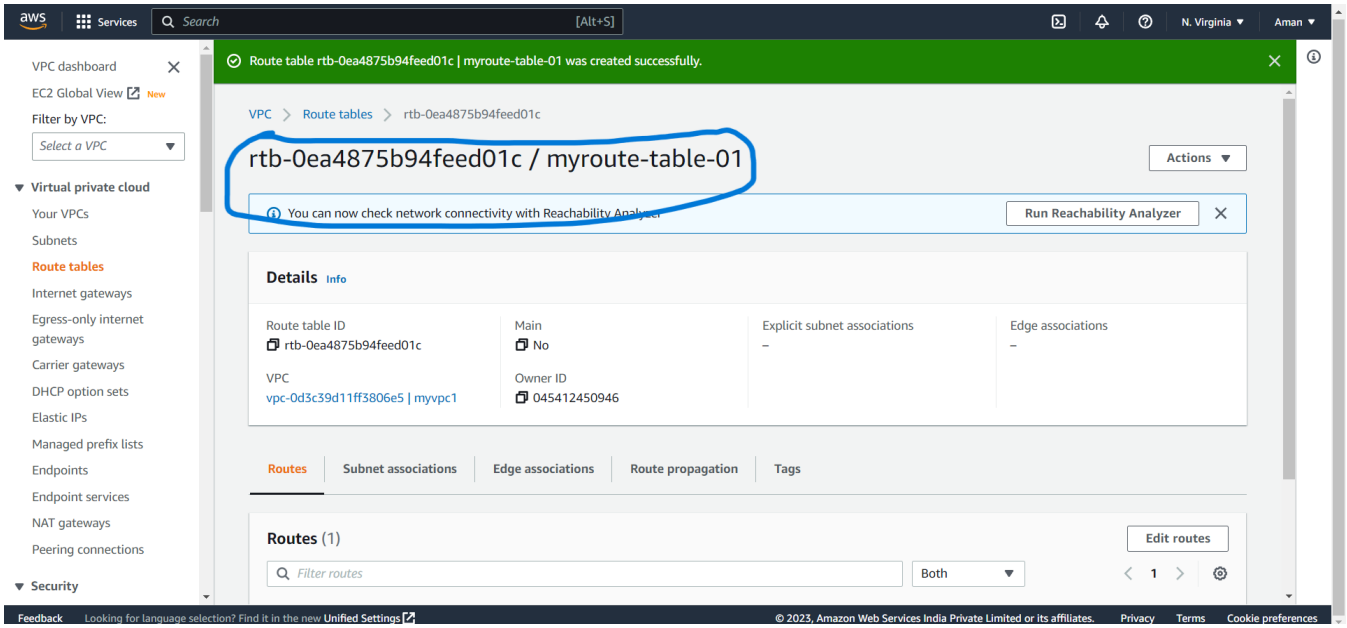


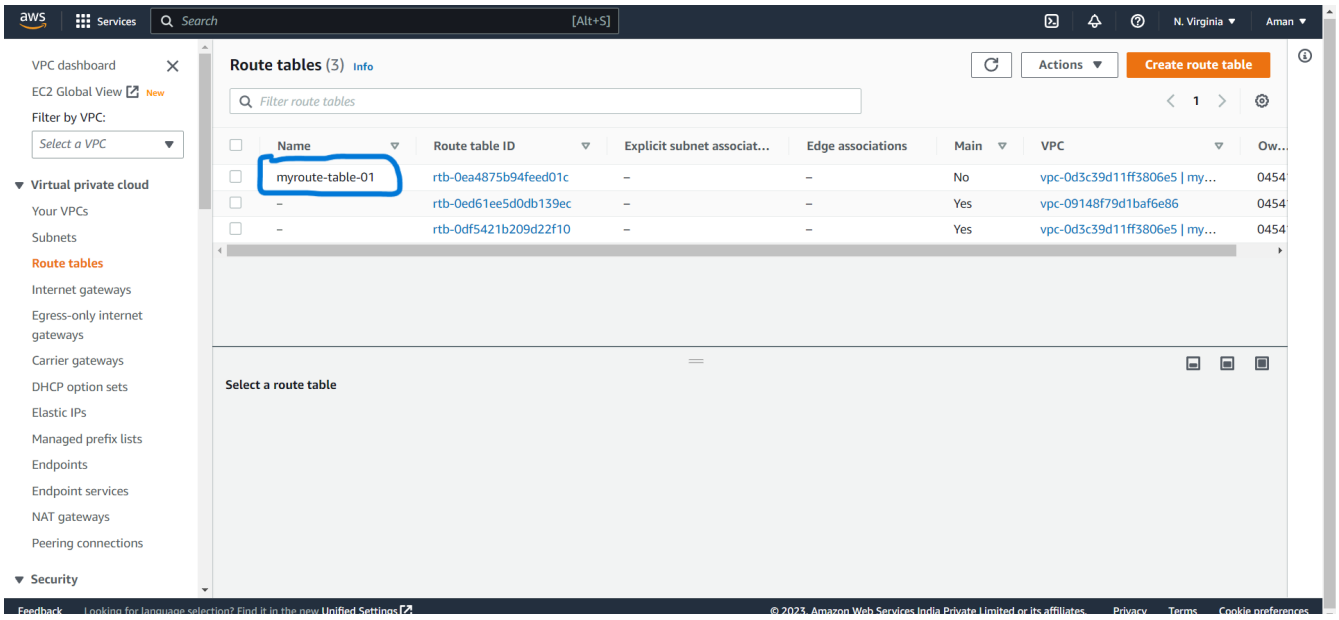



Now here are my 3 subnets for my private vpc(myvpc1).

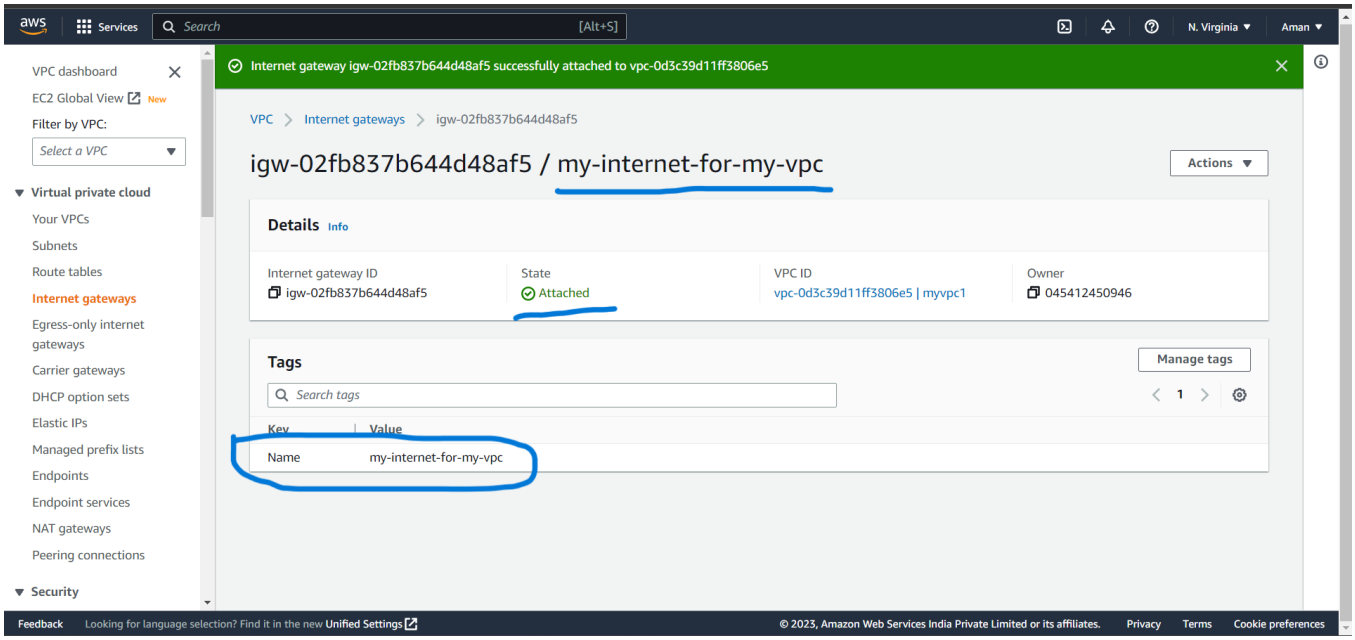


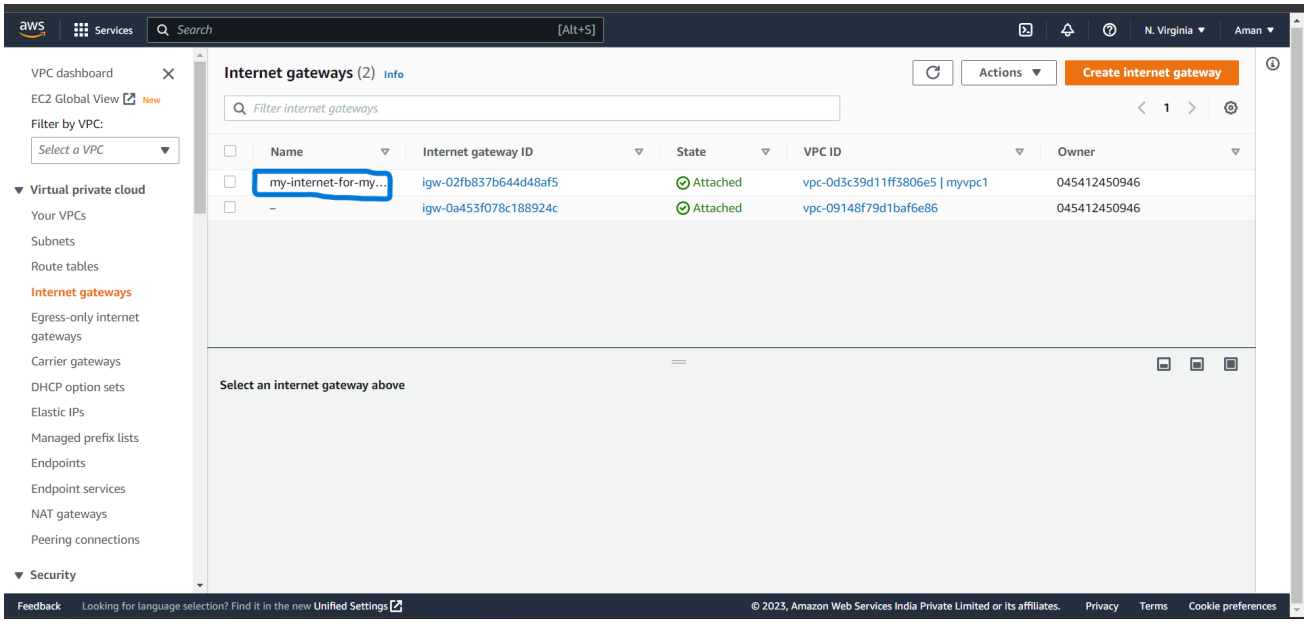

Now here are my route table for my 3 subnets.



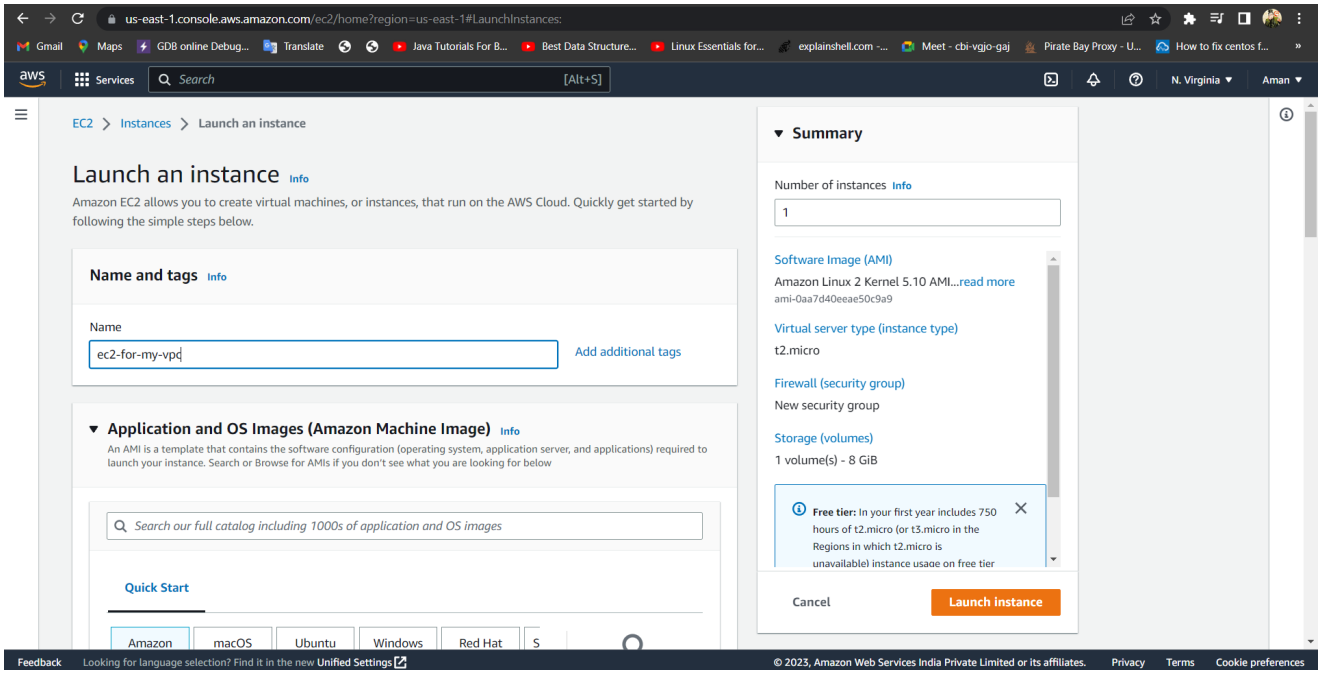




Now here is my internet gateway for myvpc.




Above I created my private vpc and 3 subnets , an internet gateway.
Now I am creating ec2 instance with my private vpc.


us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#LaunchInstances:
Gmail
Maps
GDB online Debug...
Translate
Java Tutorials For B...
Best Data Structure...
Linux Essentials for...
explainshell.com -...
Meet - cbi-vgjo-gaj
Pirate Bay Proxy - U...
How to fix centos f...
aws
Services
Search
[Alt+S]
N. Virginia
Aman
EC2 > Instances > Launch an instance
Launch an instance Info
Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.
Name and tags Info
Name
ec2-for-my-vpc
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Quick Start
Amazon
macOS
Ubuntu
Windows
Red Hat
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0aa7d40eeae50c9a9
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier
Cancel
Launch instance
Feedback
Looking for language selection? Find it in the new Unified Settings
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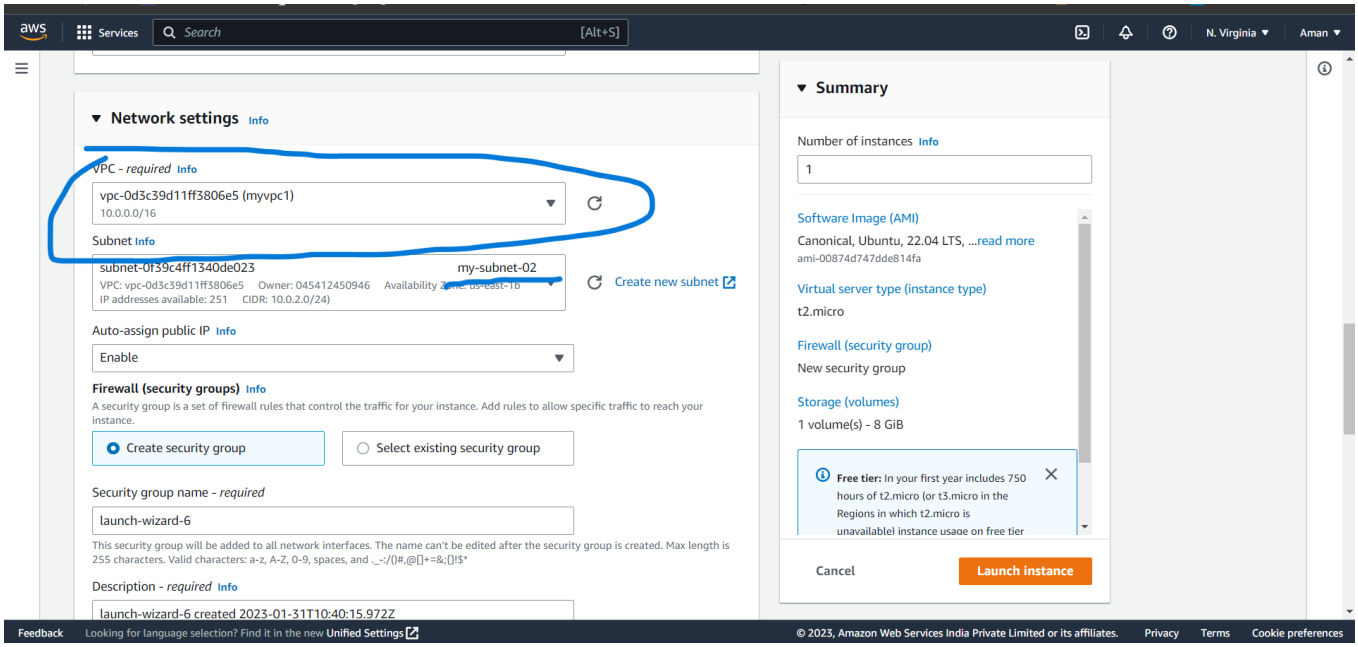
aws
Services
Search
[Alt+S]
N. Virginia
Aman
Network settings Info
VPC - required Info
vpc-0d3c39d11ff3806e5 (myvpc1)
10.0.0.0/16
Subnet Info
subnet-0f39c4ff1340de023 my-subnet-02
VPC: vpc-0d3c39d11ff3806e5 Owner: 045412450946 Availability Zone: us-east-1b
IP addresses available: 251 CIDR: 10.0.2.0/24)
Create new subnet
Auto-assign public IP Info
Enable
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Security group name - required
launch-wizard-6
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-6 created 2023-01-31T10:40:15.972Z
Summary
Number of instances Info
1
Software Image (AMI)
Canonical, Ubuntu, 22.04 LTS, ...read more
ami-00874d747dde814fa
Virtual server type (instance type)
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier
Cancel
Launch instance
Feedback
Looking for language selection? Find it in the new Unified Settings
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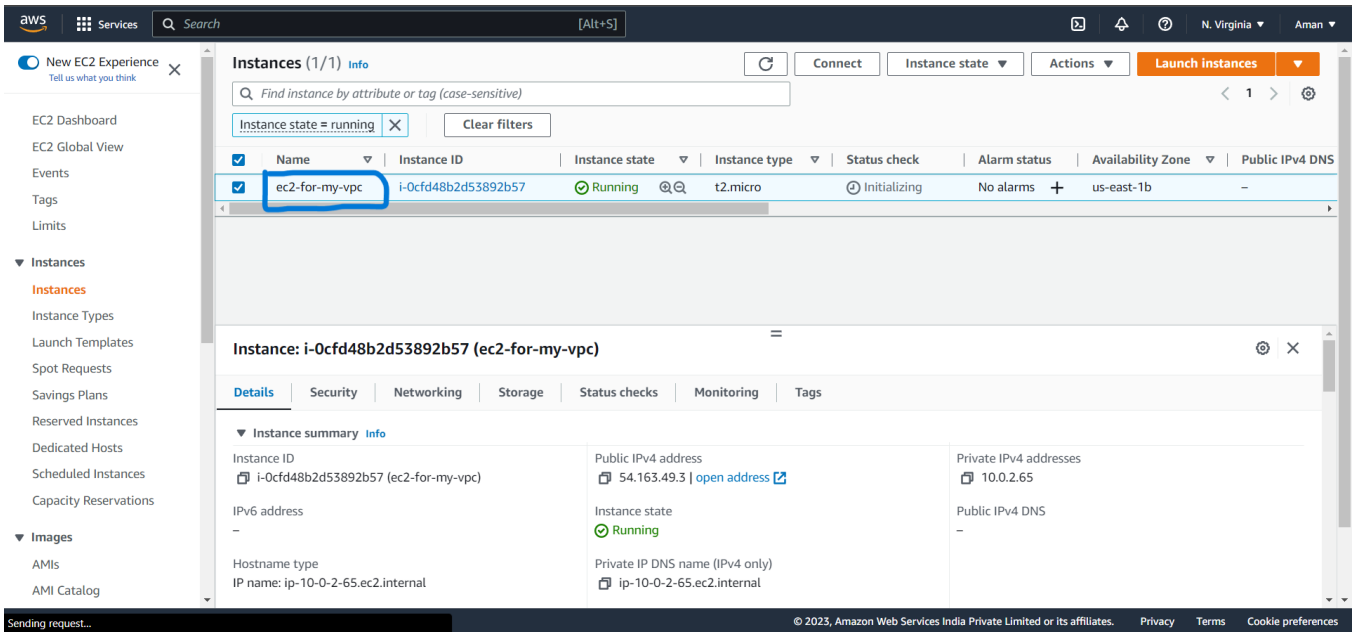
Services
Search
[Alt+S]
N. Virginia
Aman
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Tags
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
AMIs
AMI Catalog
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Find instance by attribute or tag (case-sensitive)
Instance state = running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
Availability Zone
Public IPv4 DNS
ec2-for-my-vpc
i-0cfd48b2d53892b57
Running
t2.micro
Initializing
No alarms
us-east-1b
Instance: i-0cfd48b2d53892b57 (ec2-for-my-vpc)
Details
Security
Networking
Storage
Status checks
Monitoring
Tags
Instance summary Info
Instance ID
i-0cfd48b2d53892b57 (ec2-for-my-vpc)
Public IPv4 address
54.163.49.3 | open address
Private IPv4 addresses
10.0.2.65
IPv6 address
–
Instance state
Running
Public IPv4 DNS
–
Hostname type
IP name: ip-10-0-2-65.ec2.internal
Private IP DNS name (IPv4 only)
ip-10-0-2-65.ec2.internal
Sending request...
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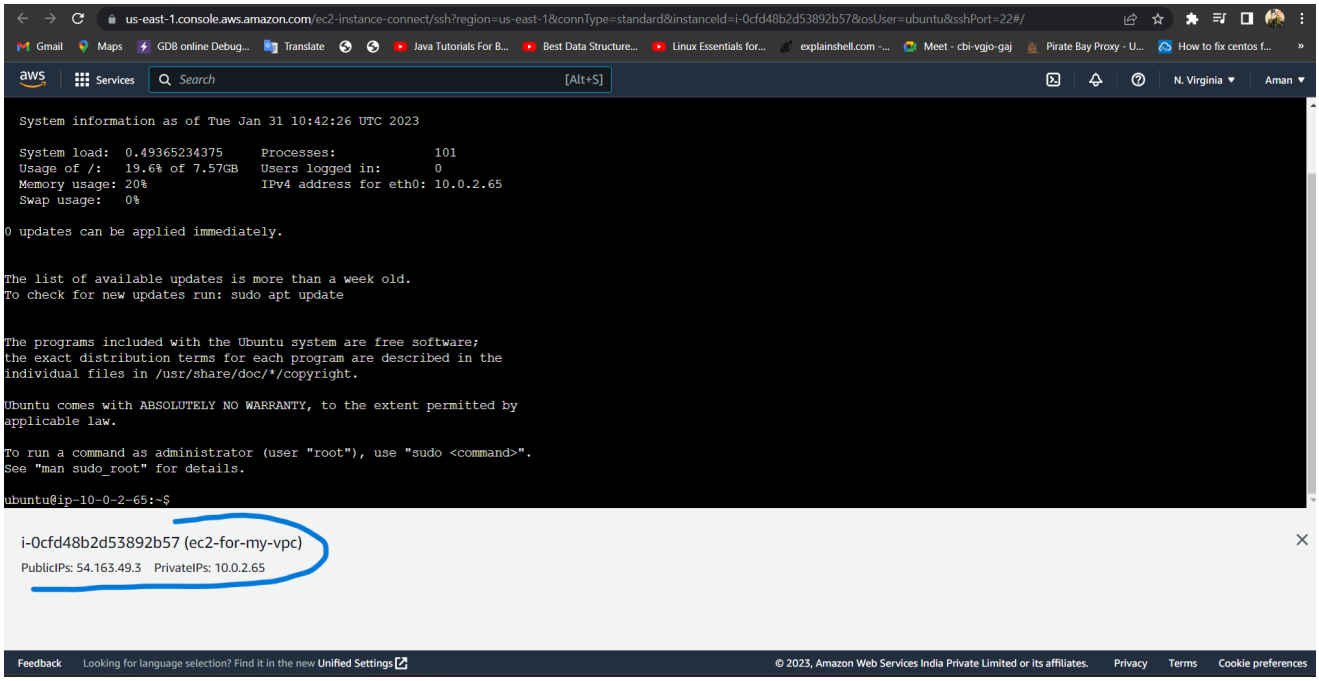
us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=us-east-1&connType=standard&instanceId=i-0cfd48b2d53892b57&osUser=ubuntu&sshPort=22#/
Gmail
Maps
GDB online Debug...
Translate
Java Tutorials For B...
Best Data Structure...
Linux Essentials for...
explainshell.com -...
Meet - cbi-vgjo-gaj
Pirate Bay Proxy - U...
How to fix centos f...
Services
Search
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N. Virginia
Aman
System information as of Tue Jan 31 10:42:26 UTC 2023
System load: 0.49365234375 Processes: 101
Usage of /: 19.6% of 7.57GB Users logged in: 0
Memory usage: 20% IPv4 address for eth0: 10.0.2.65
Swap usage: 0%
0 updates can be applied immediately.
The list of available updates is more than a week old.
To check for new updates run: sudo apt update
The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
ubuntu@ip-10-0-2-65:~$
i-0cfd48b2d53892b57 (ec2-for-my-vpc)
PublicIPs: 54.163.49.3 PrivateIPs: 10.0.2.65
Feedback
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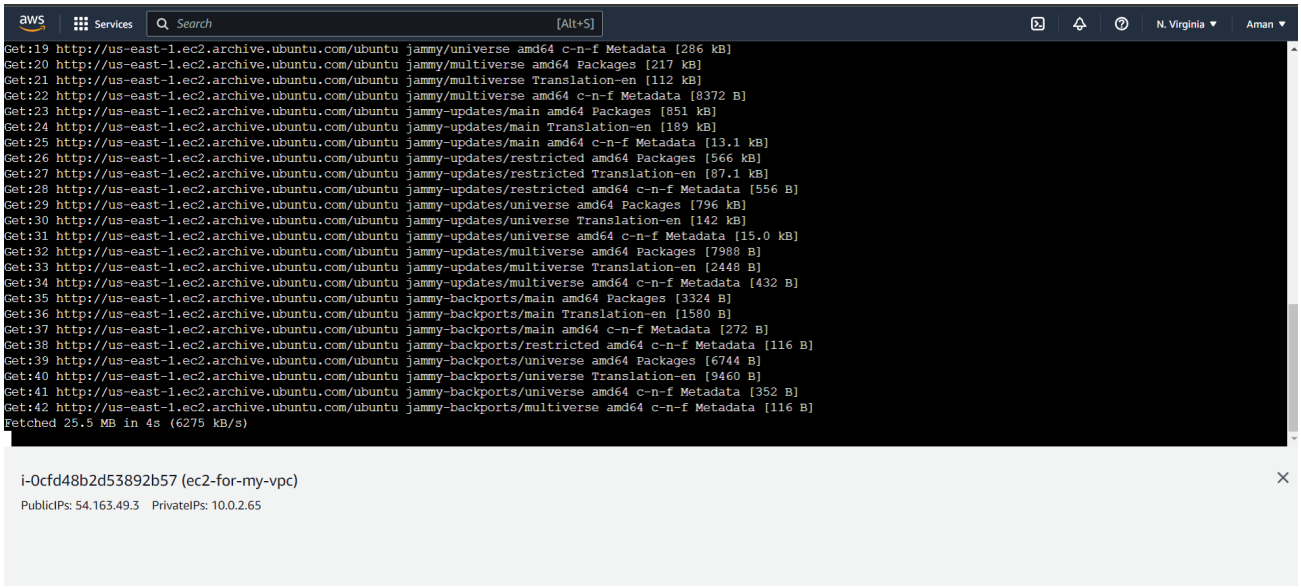


Above i created my ec2 instance with my VPC and everything working fine.