AWS Admin - L1 Hands-on Assignment

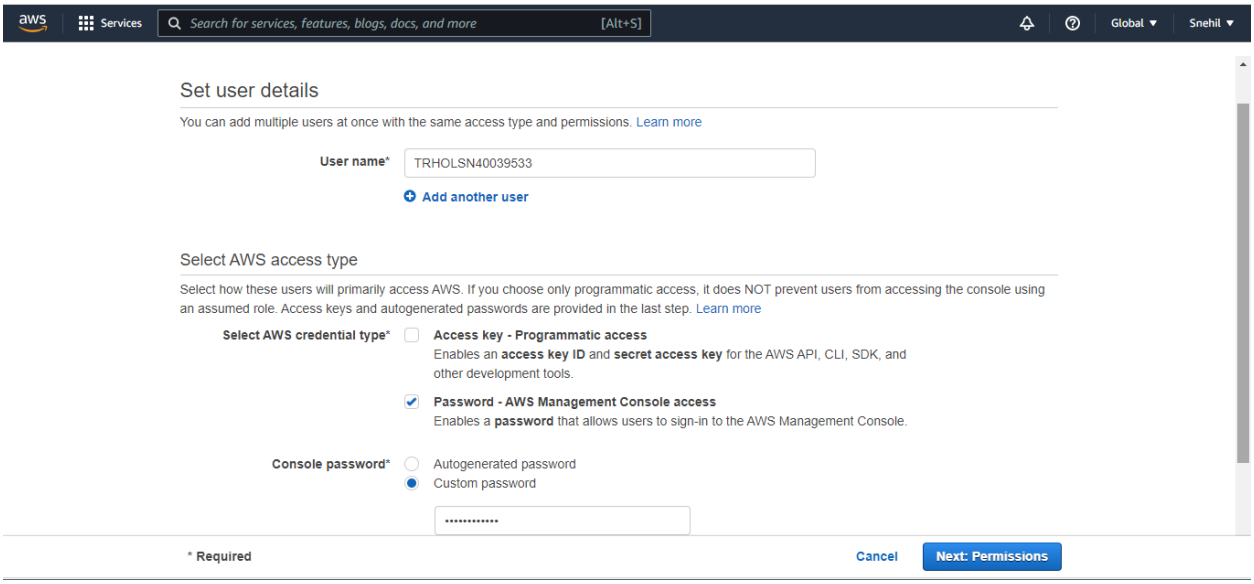
Name : Snehil Kumar

Email : ryanehil44@live.com

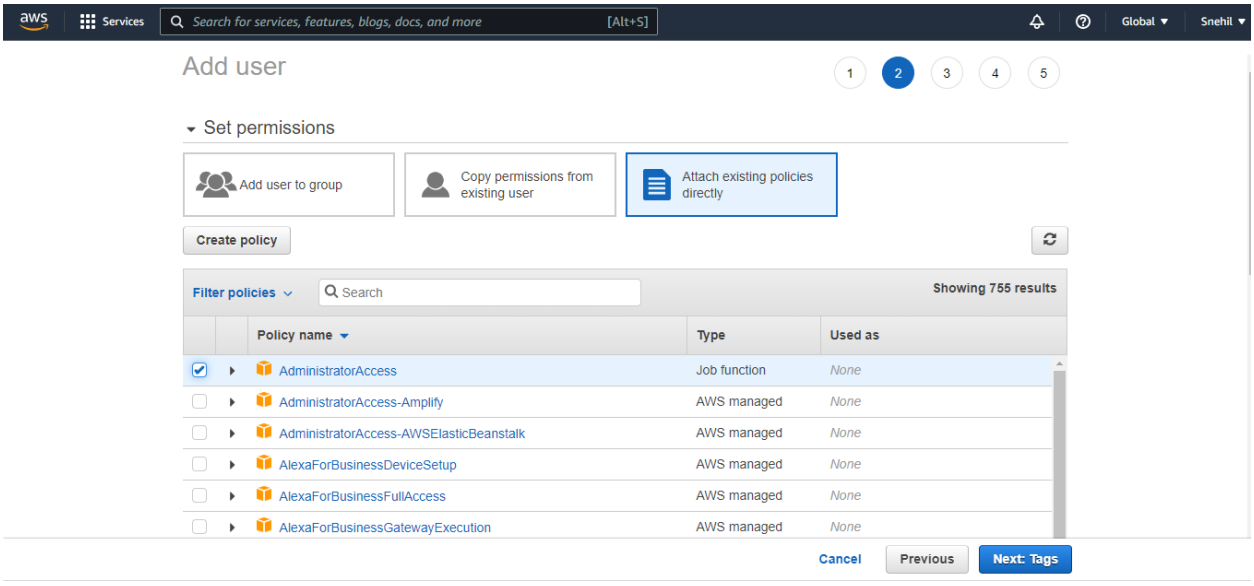
Topic 1: User and Group Management

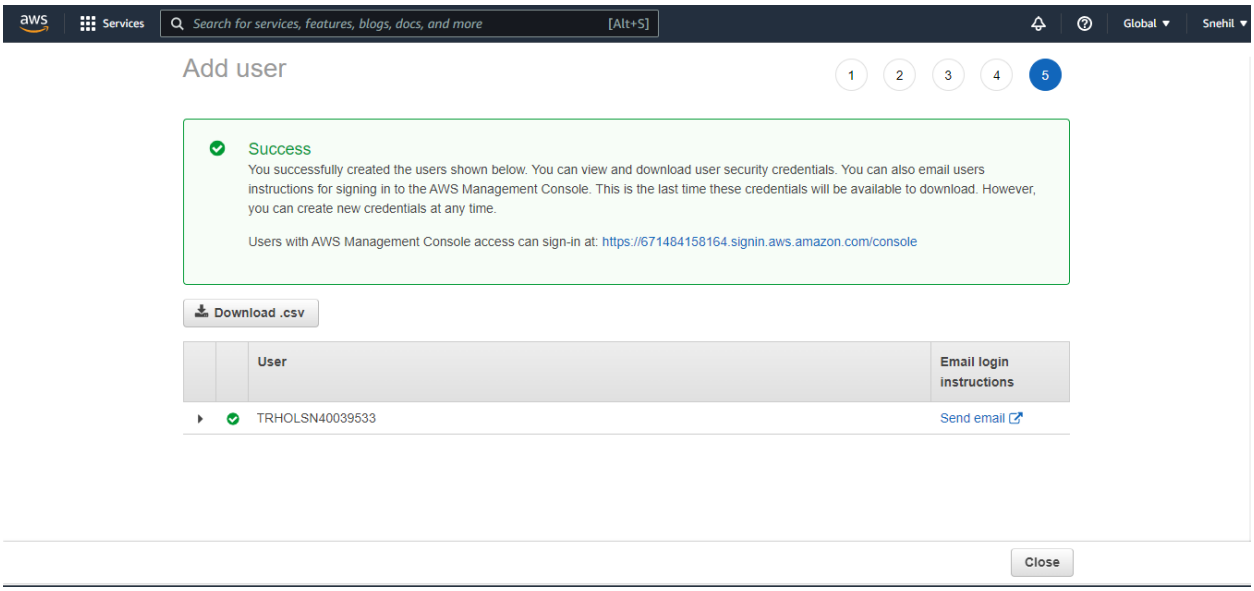
Assignment 1:

- **Create user TRHOL<Candidate AD ID name> user using IAM.**

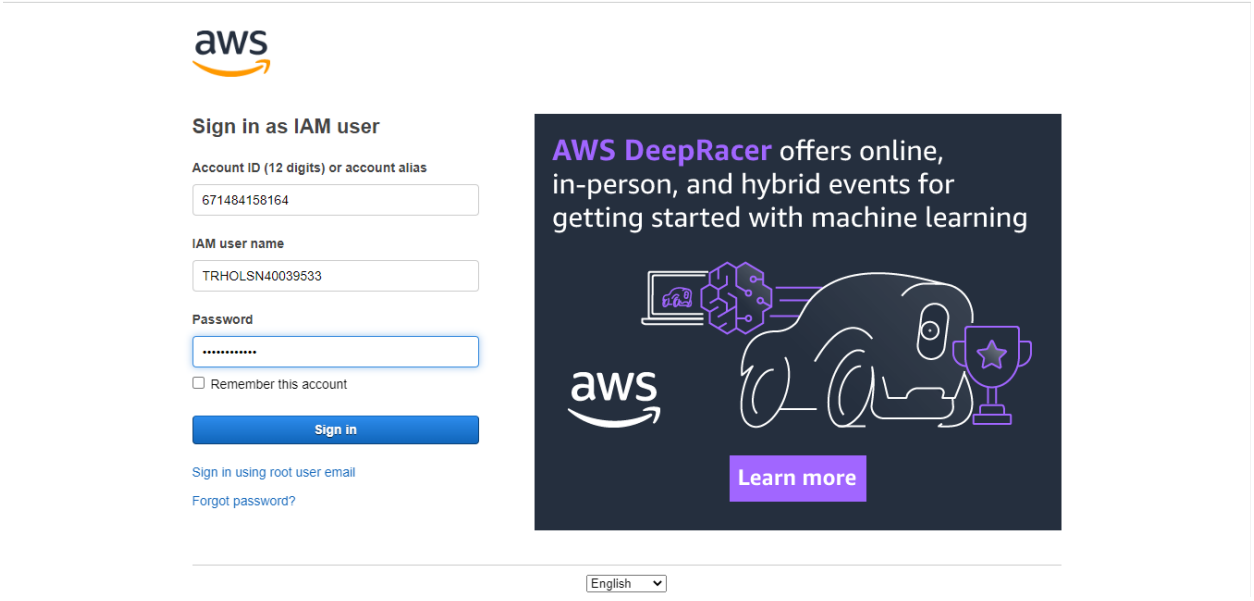


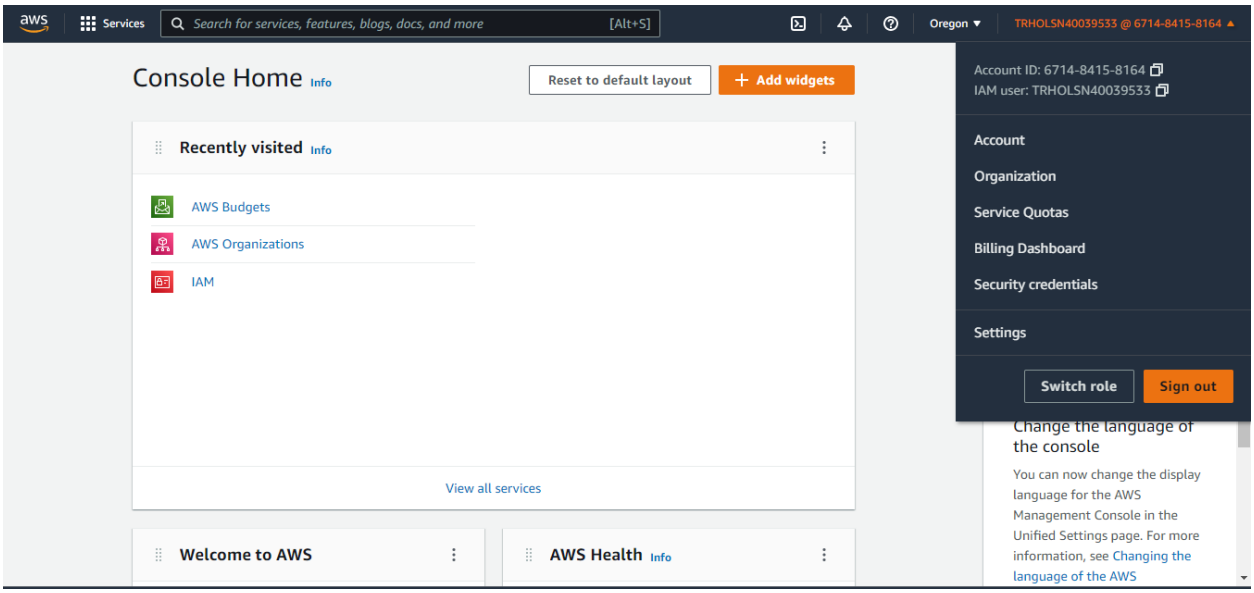
- **Attach Administrator Policy**





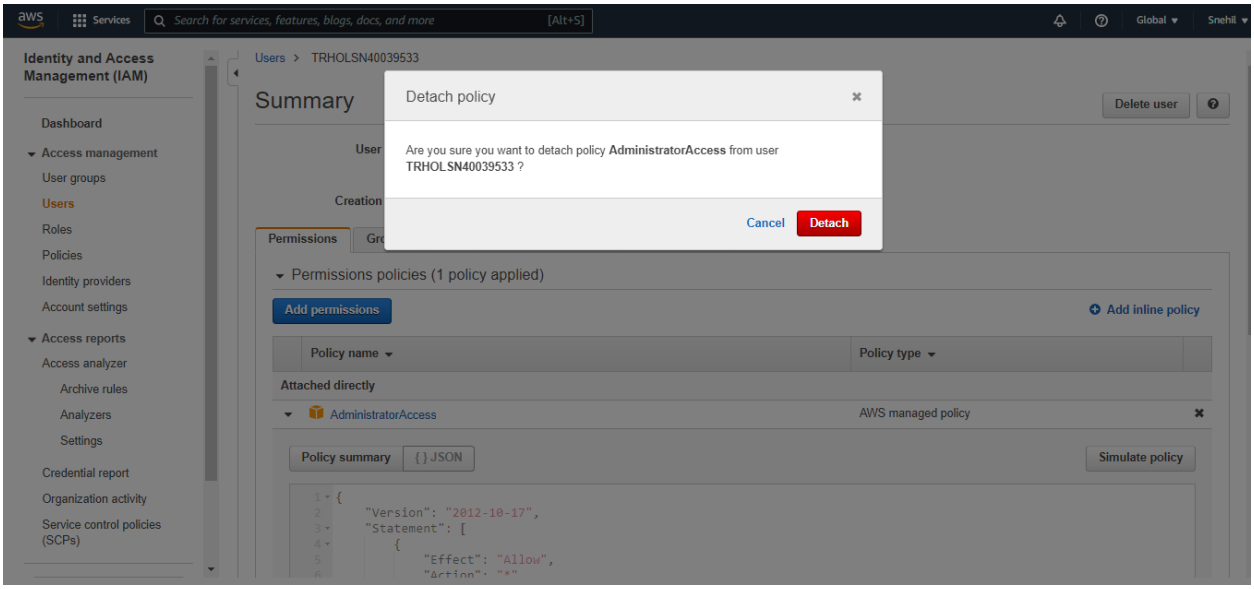
- **Login to AWS console using TRHOL<Candidate AD ID name>**



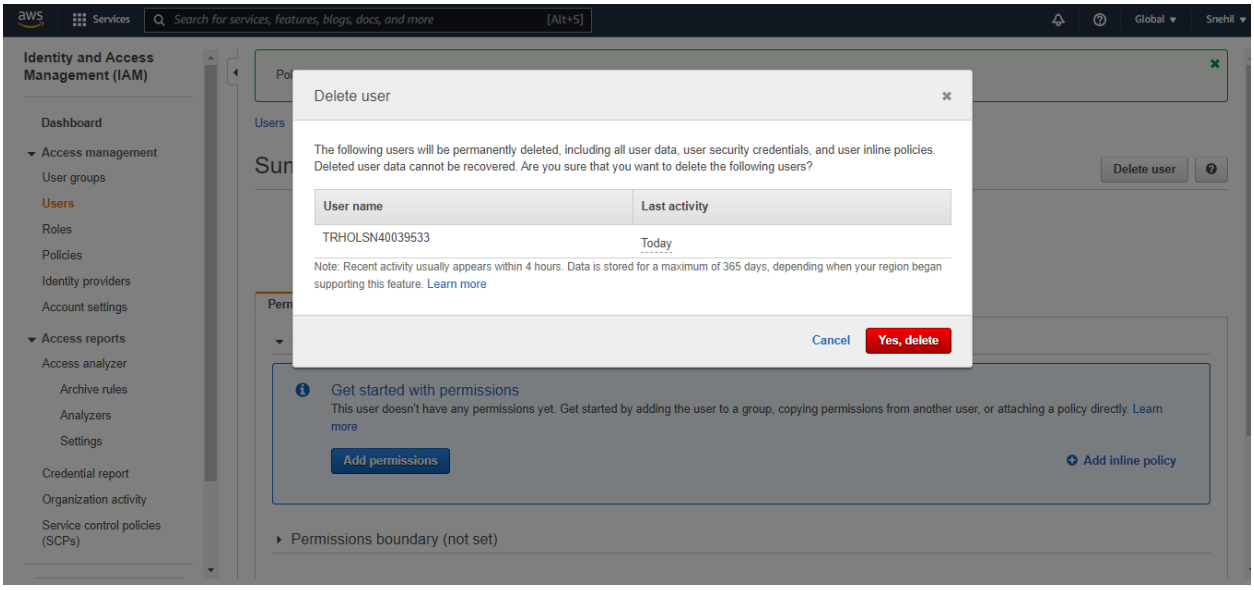


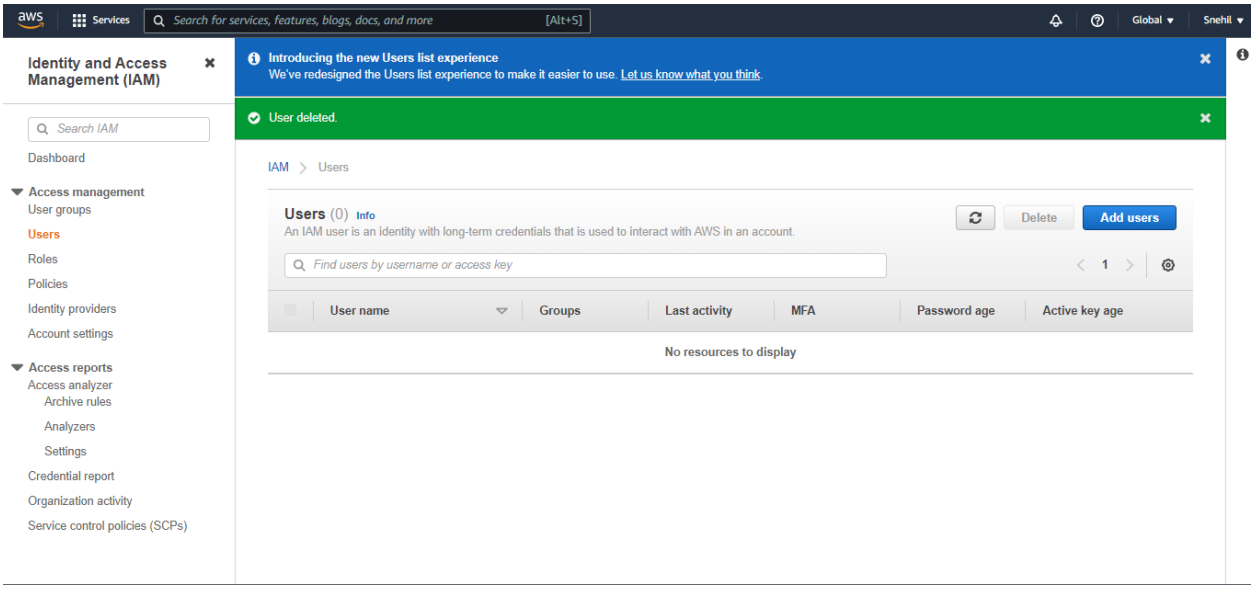
Assignment 2:

- **Remove Administrator Policy**



· **User deletion TRHOL<Candidate AD ID name>**

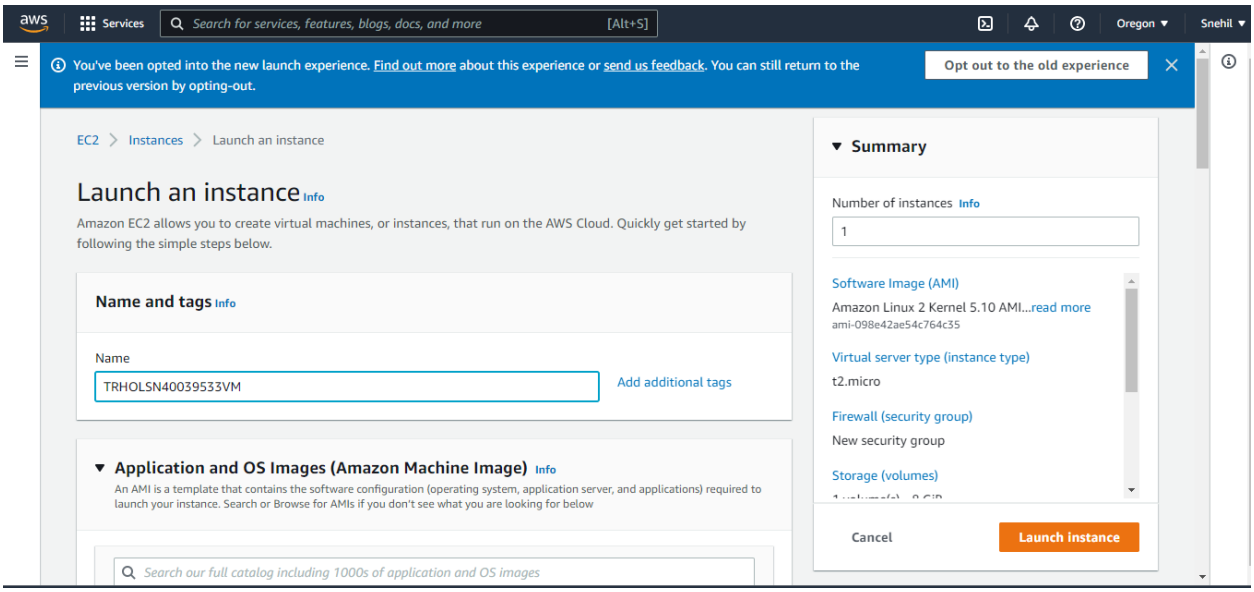


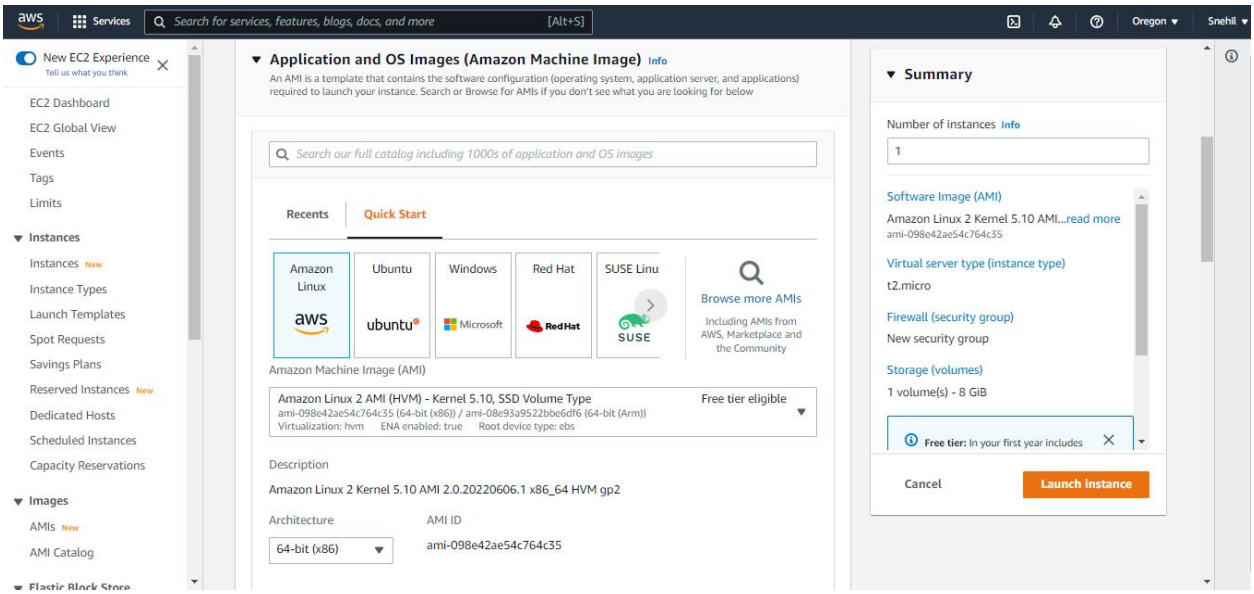


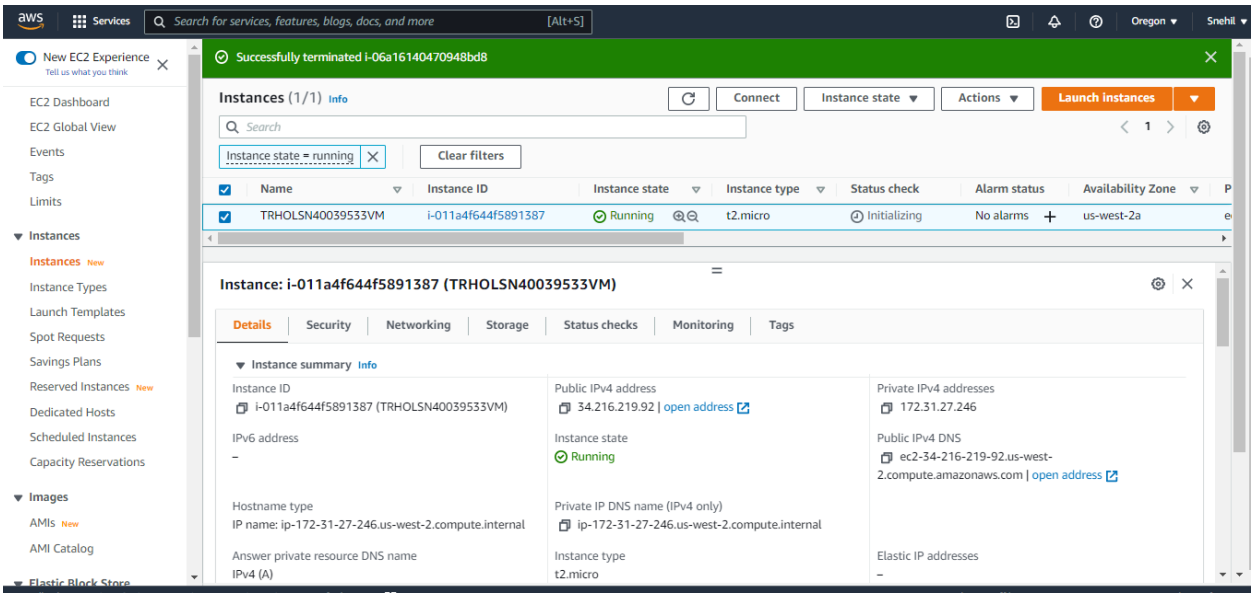
Topic 2: Compute

Assignment 1:

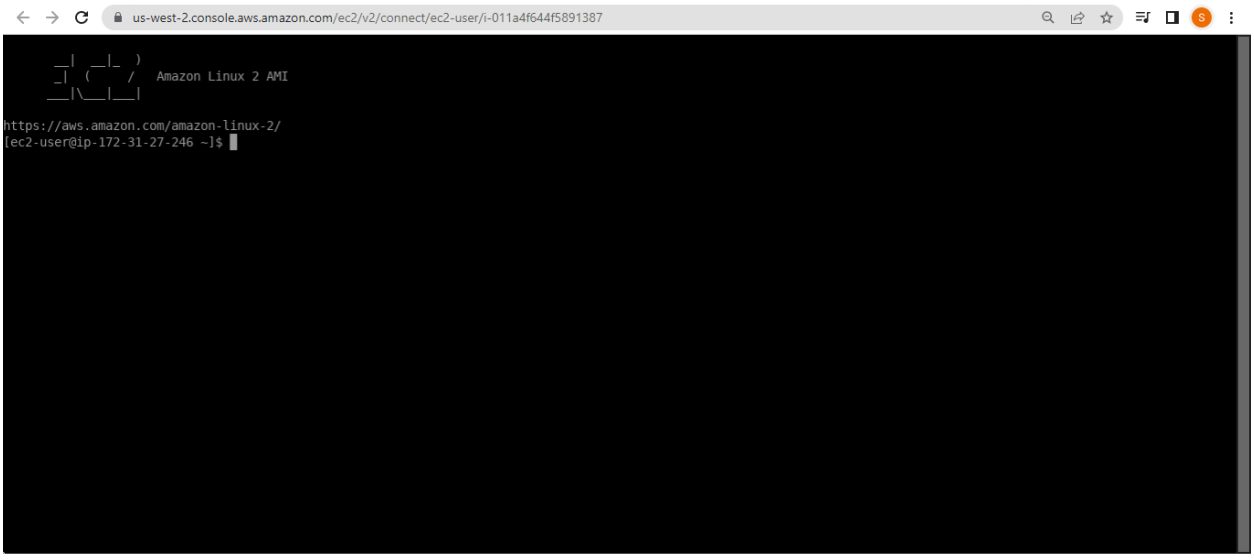
• Create VM (instance Type t2.micro) with tag “TRHOL<Candidate AD ID name>VM” using Amazon Linux AMI





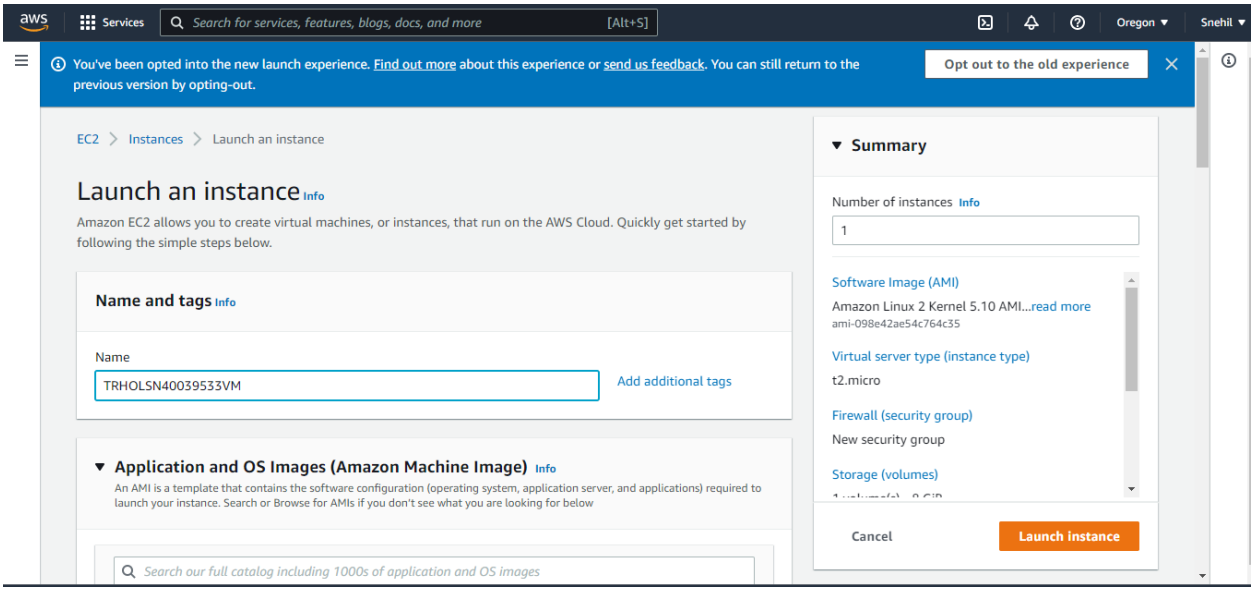


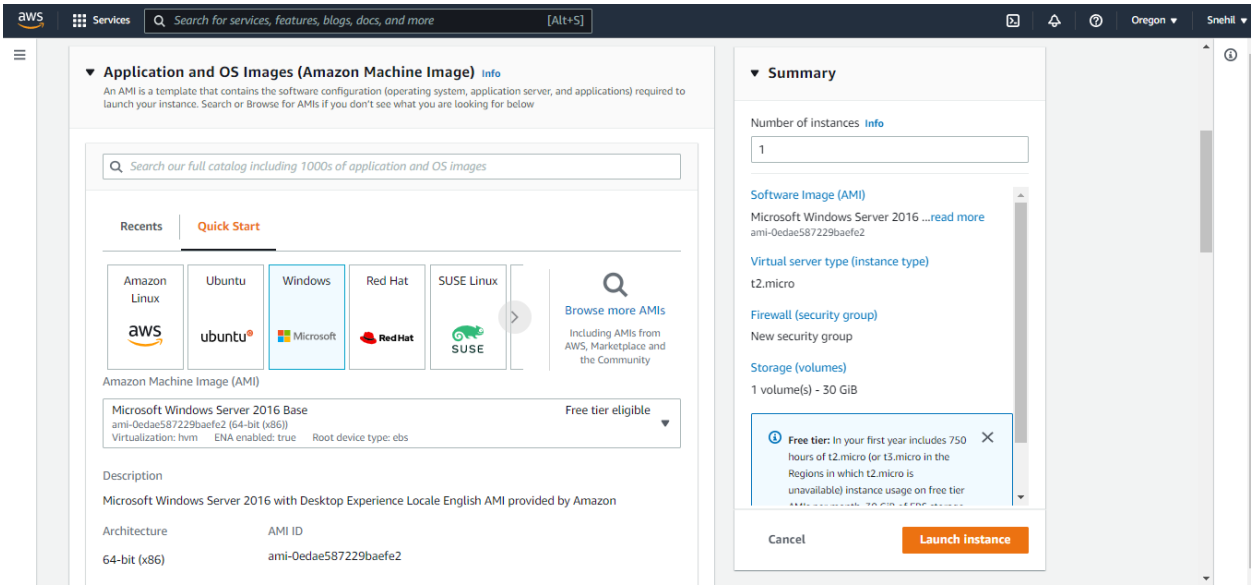
- **Login with using AWS CLI**

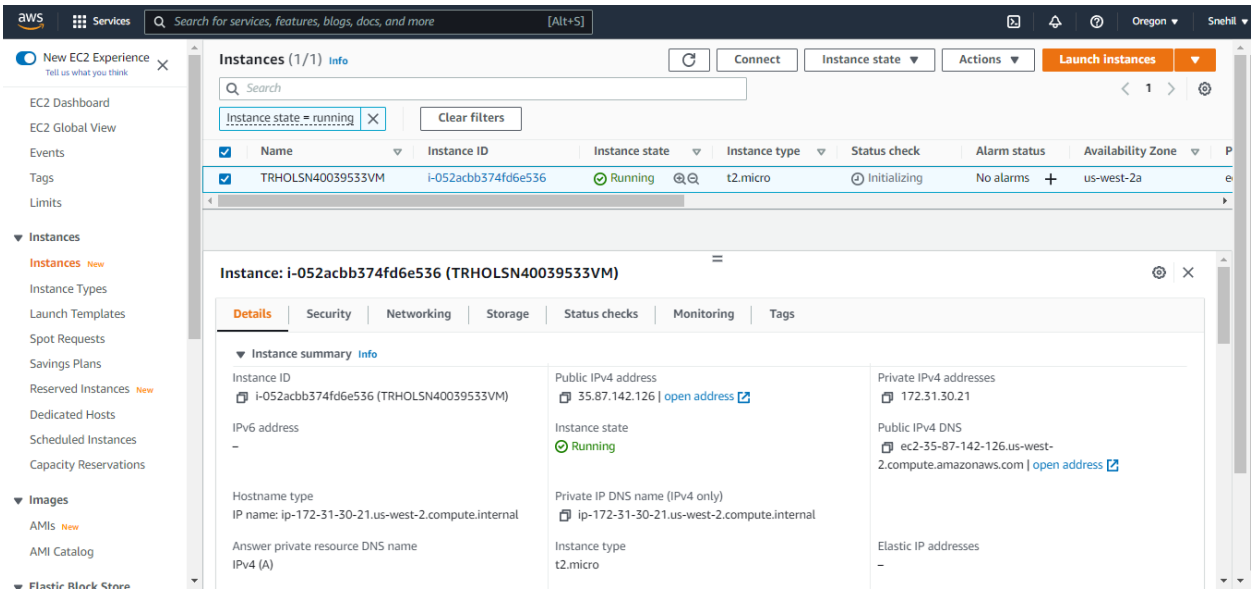


Assignment 2:

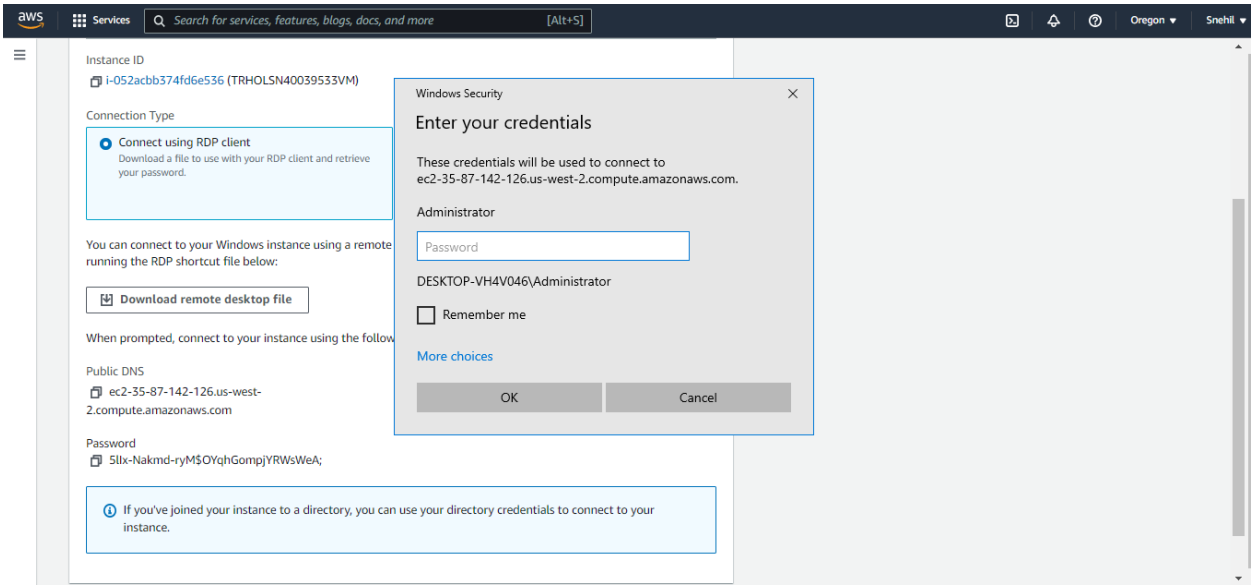
- **Create VM (instance Type t2.micro) with tag "TRHOL<Candidate AD ID name>VM" using "Microsoft Windows Server 2016 Base" AMI (Note select Free Tier only based AMI)**

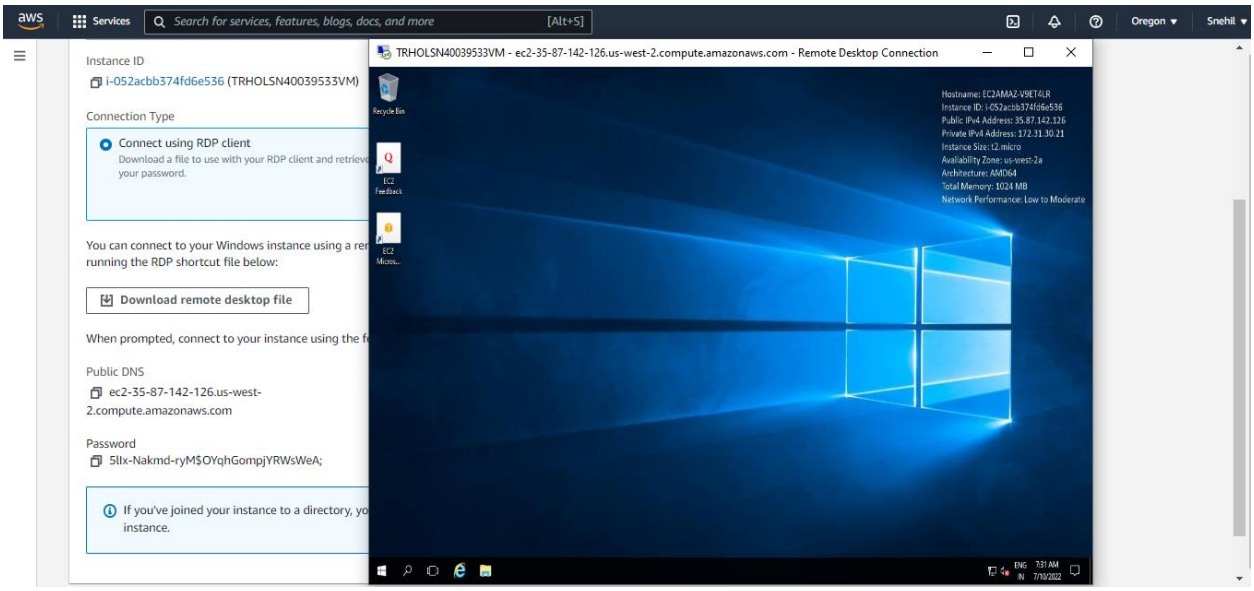






- **Login to VM as administrator.**




Services
Search for services, features, blogs, docs, and more
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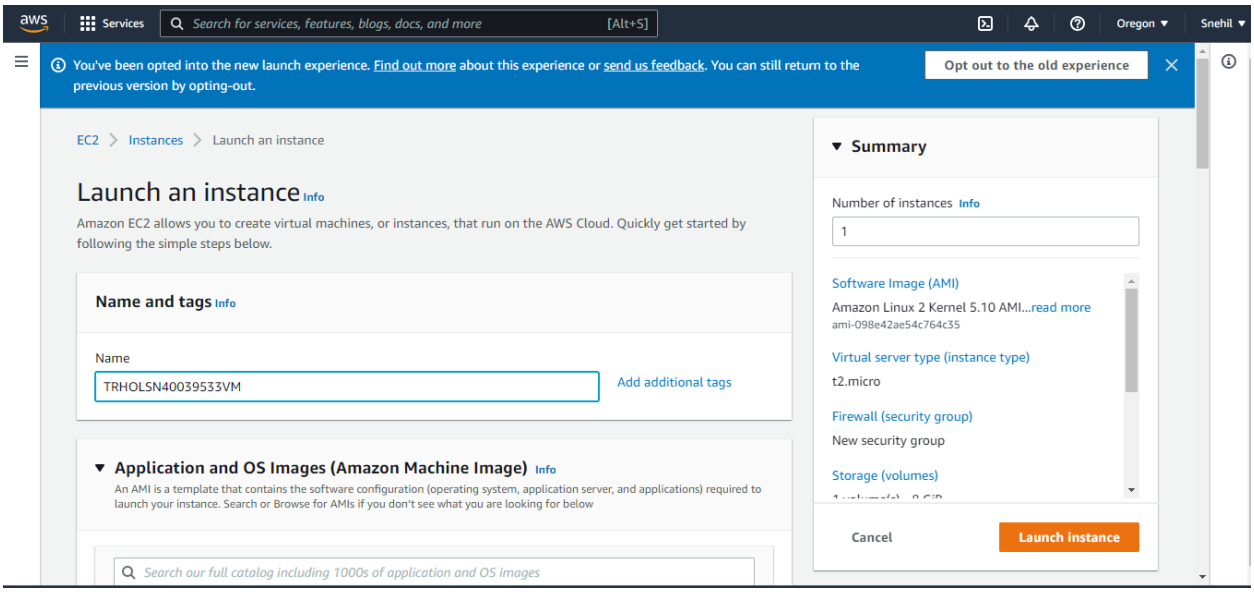
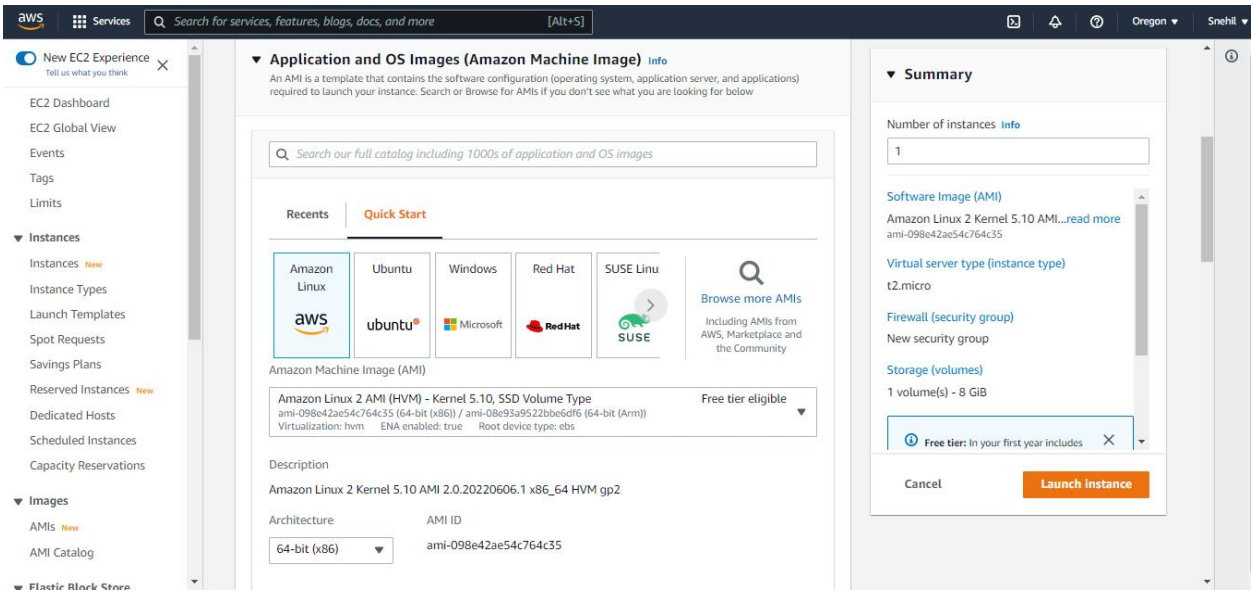
Oregon
Snehil
Instance ID
i-052acbb374fd6e536 (TRHOLSN40039533VM)
Connection Type
Connect using RDP client
Download a file to use with your RDP client and retrieve your password.
You can connect to your Windows instance using a re running the RDP shortcut file below:
Download remote desktop file
When prompted, connect to your instance using the f
Public DNS
ec2-35-87-142-126.us-west-2.compute.amazonaws.com
Password
5Ilx-Nakmd-ryM$OYqhGompjYRWsWeA;
If you've joined your instance to a directory, yo instance.
TRHOLSN40039533VM - ec2-35-87-142-126.us-west-2.compute.amazonaws.com - Remote Desktop Connection
Recycle Bin
EC2 FeedBack
EC2 Micros...
Hostname: EC2AMAZ-V9ET4LR
Instance ID: i-052acbb374fd6e536
Public IPv4 Address: 35.87.142.126
Private IPv4 Address: 172.31.30.21
Instance Size: t2.micro
Availability Zone: us-west-2a
Architecture: AMD64
Total Memory: 1024 MB
Network Performance: Low to Moderate
ENG
IN
7:31 AM
7/10/2022

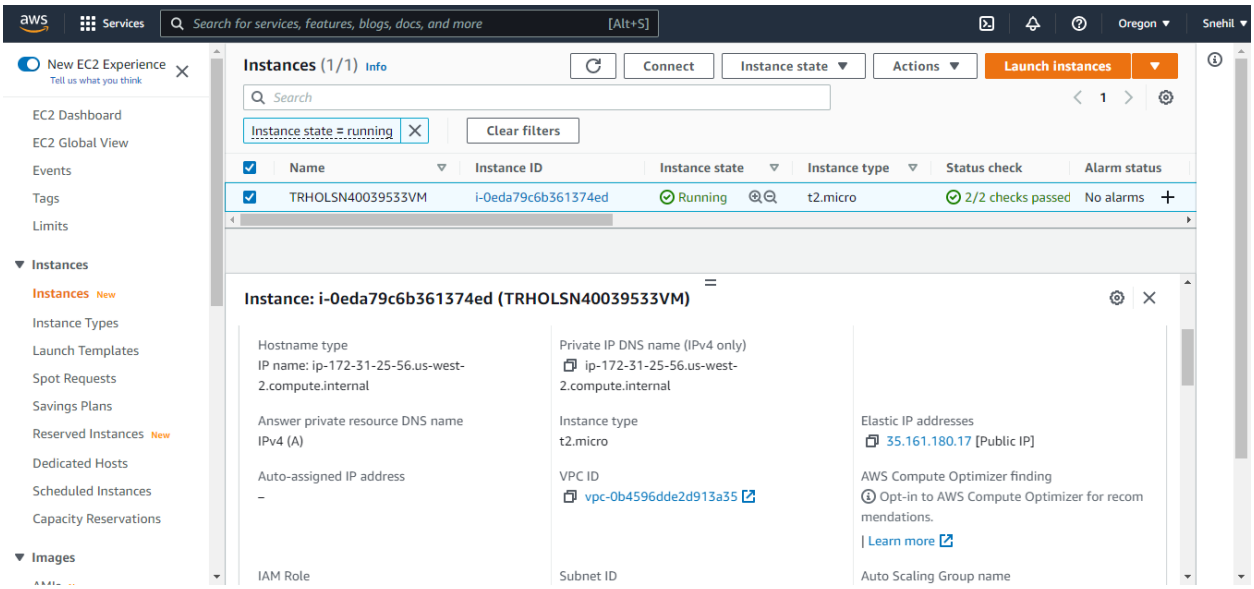
Topic 3: Networking

Assignment 1:

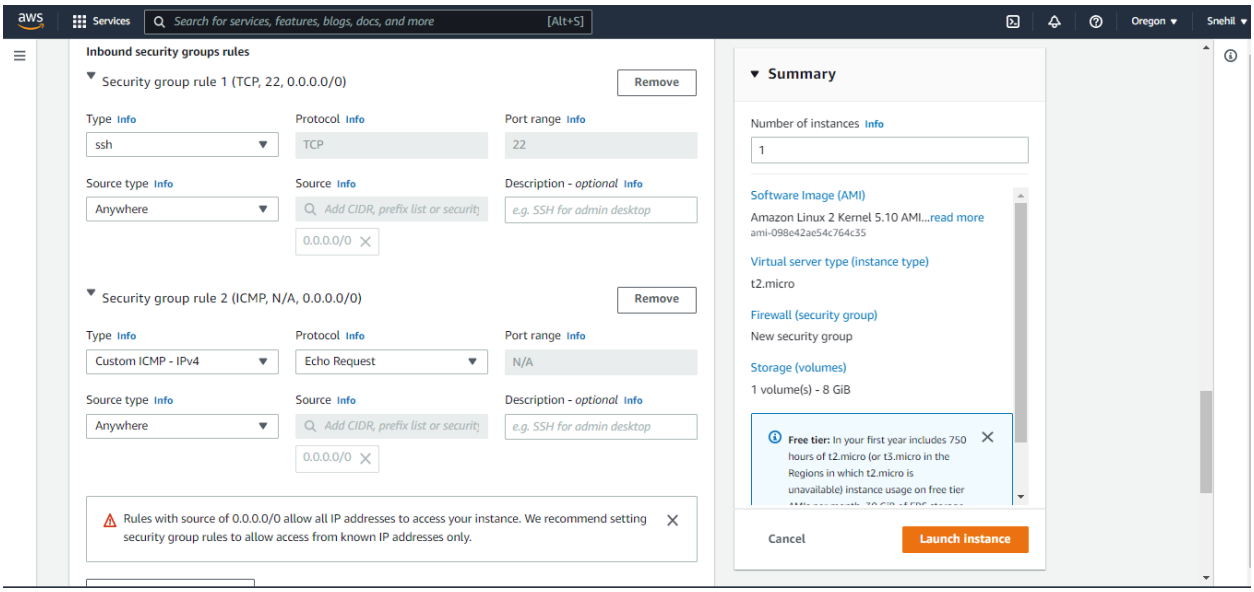
• Create VM (instance Type t2.micro) with tag “TRHOL<Candidate AD ID name>VM” using Amazon Linux AMI



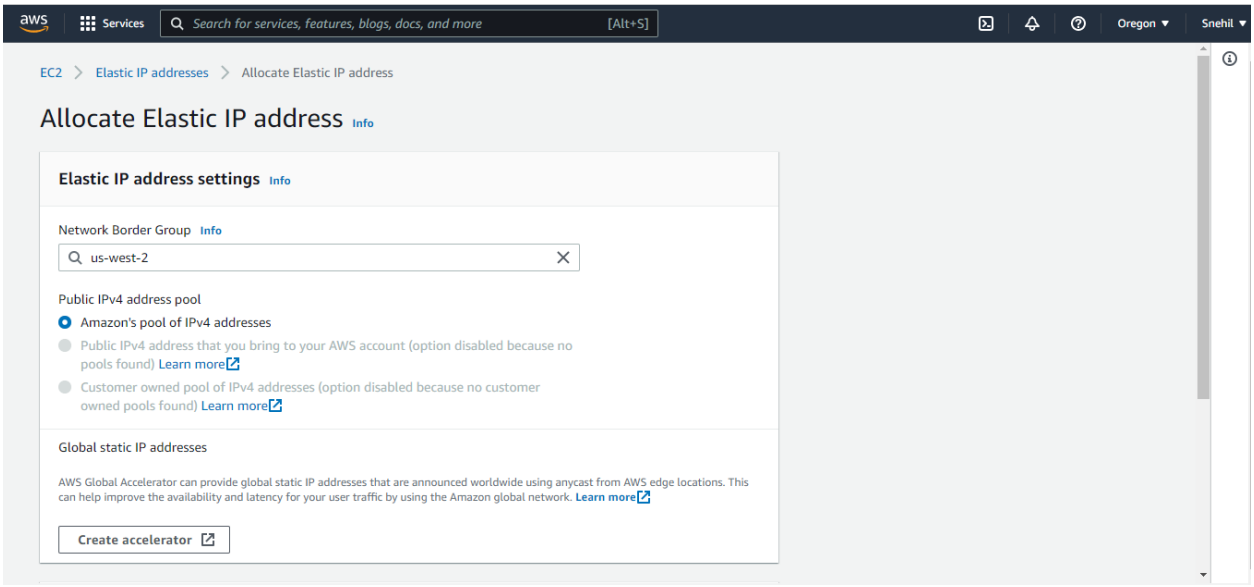




- **Enable SSH and ICMP services**



· Attach EIP


aws
Services
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Oregon
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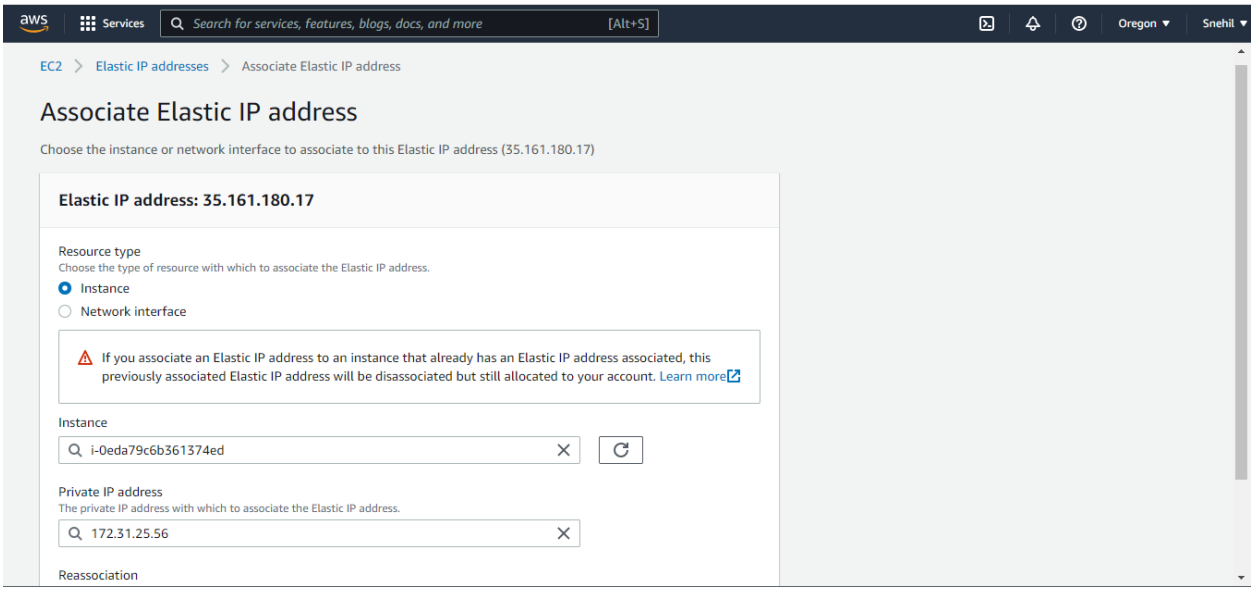
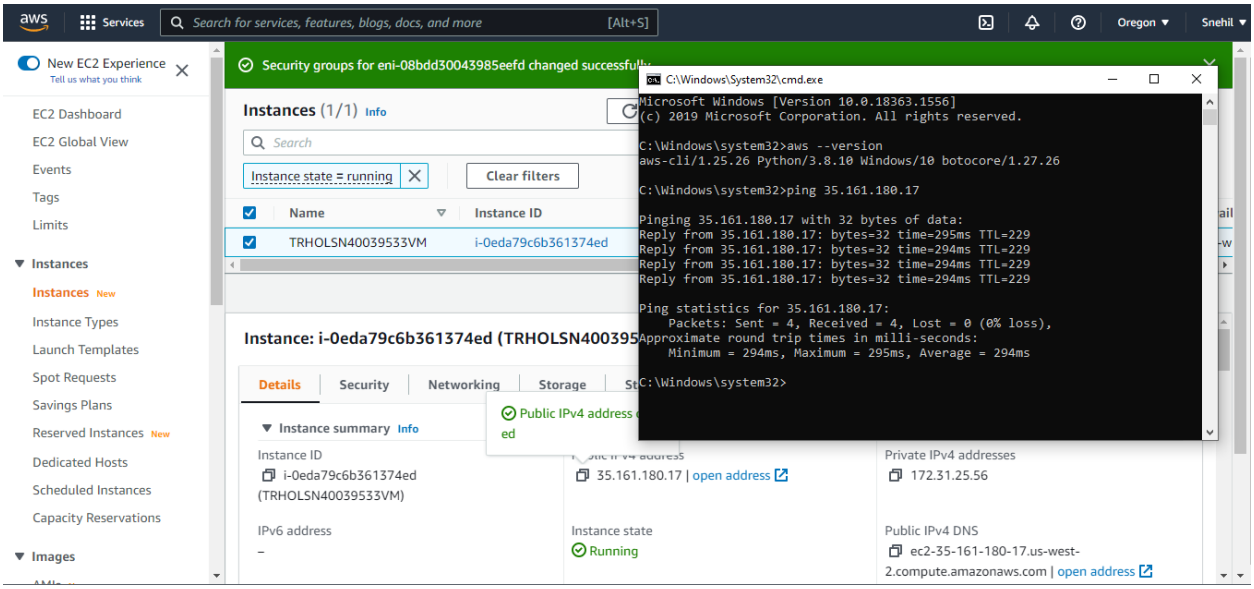
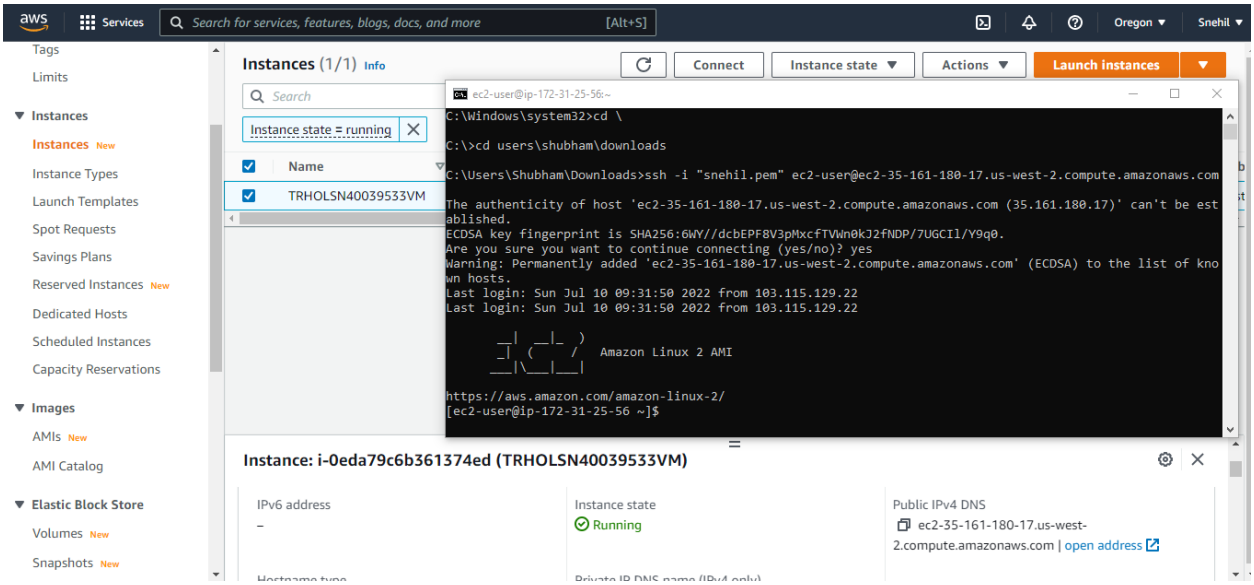
EC2 > Elastic IP addresses > Allocate Elastic IP address
Allocate Elastic IP address Info
Elastic IP address settings Info
Network Border Group Info
us-west-2
Public IPv4 address pool
Amazon's pool of IPv4 addresses
Public IPv4 address that you bring to your AWS account (option disabled because no pools found) Learn more
Customer owned pool of IPv4 addresses (option disabled because no customer owned pools found) Learn more
Global static IP addresses
AWS Global Accelerator can provide global static IP addresses that are announced worldwide using anycast from AWS edge locations. This can help improve the availability and latency for your user traffic by using the Amazon global network. Learn more
Create accelerator


aws
Services
Search for services, features, blogs, docs, and more
[Alt+S]
Oregon
Snehil
EC2 > Elastic IP addresses > Associate Elastic IP address
Associate Elastic IP address
Choose the instance or network interface to associate to this Elastic IP address (35.161.180.17)
Elastic IP address: 35.161.180.17
Resource type
Choose the type of resource with which to associate the Elastic IP address.
Instance
Network interface
If you associate an Elastic IP address to an instance that already has an Elastic IP address associated, this previously associated Elastic IP address will be disassociated but still allocated to your account. Learn more
Instance
i-0eda79c6b361374ed
Private IP address
The private IP address with which to associate the Elastic IP address.
172.31.25.56
Reassociation

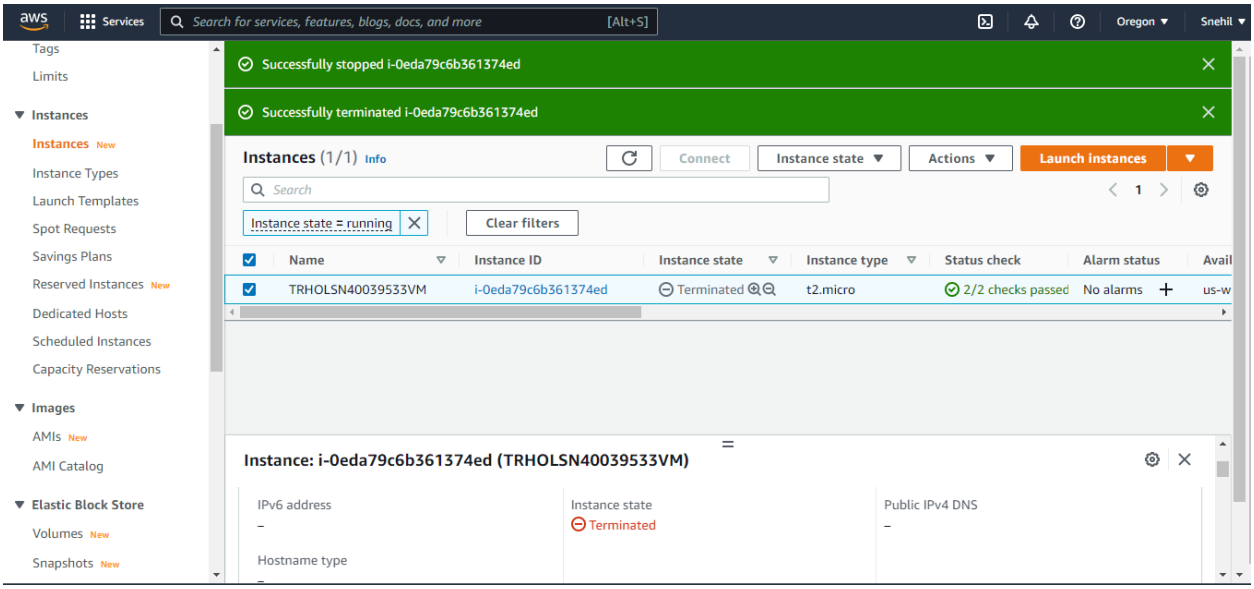
· **Ping and SSH to “TRHOL<Candidate AD ID name>VM”**





· **Disable services**

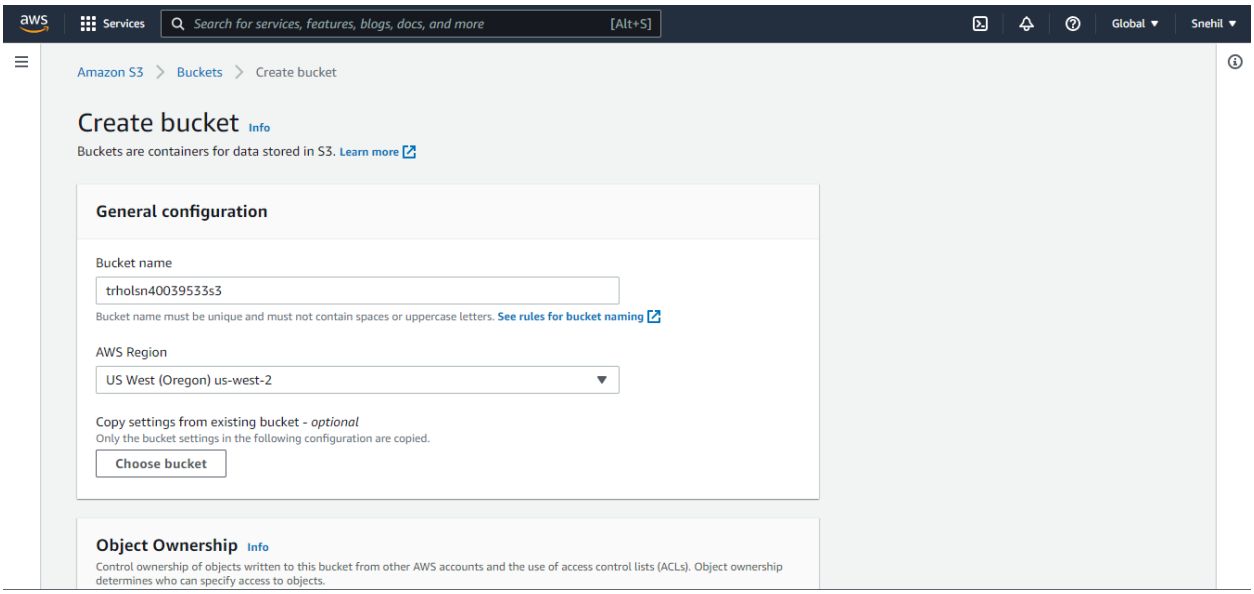
• **Remove VM**

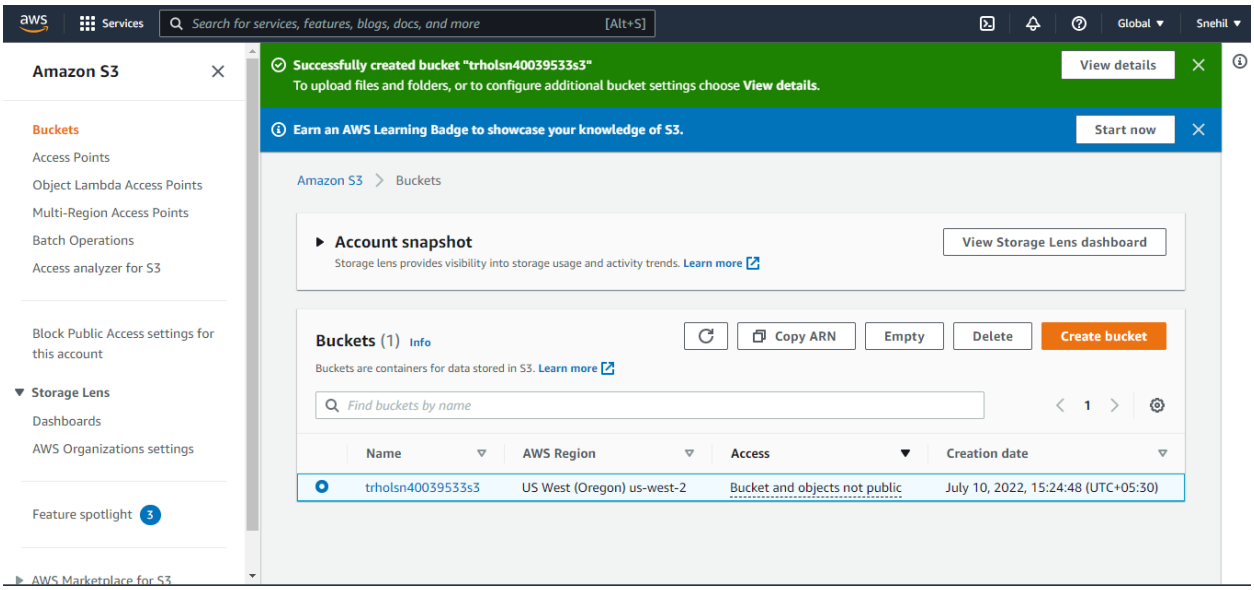


Topic 4: Storage

Assignment 1:

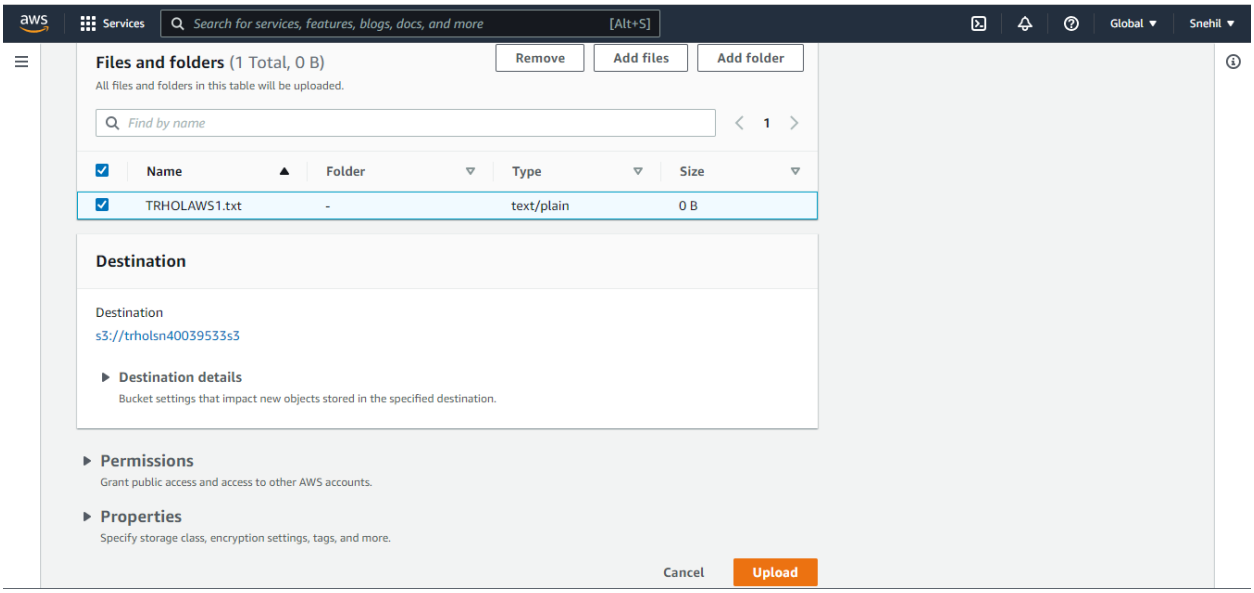
- **Create S3 Bucket with name “TRHOL<Candidate AD ID name>S3”**

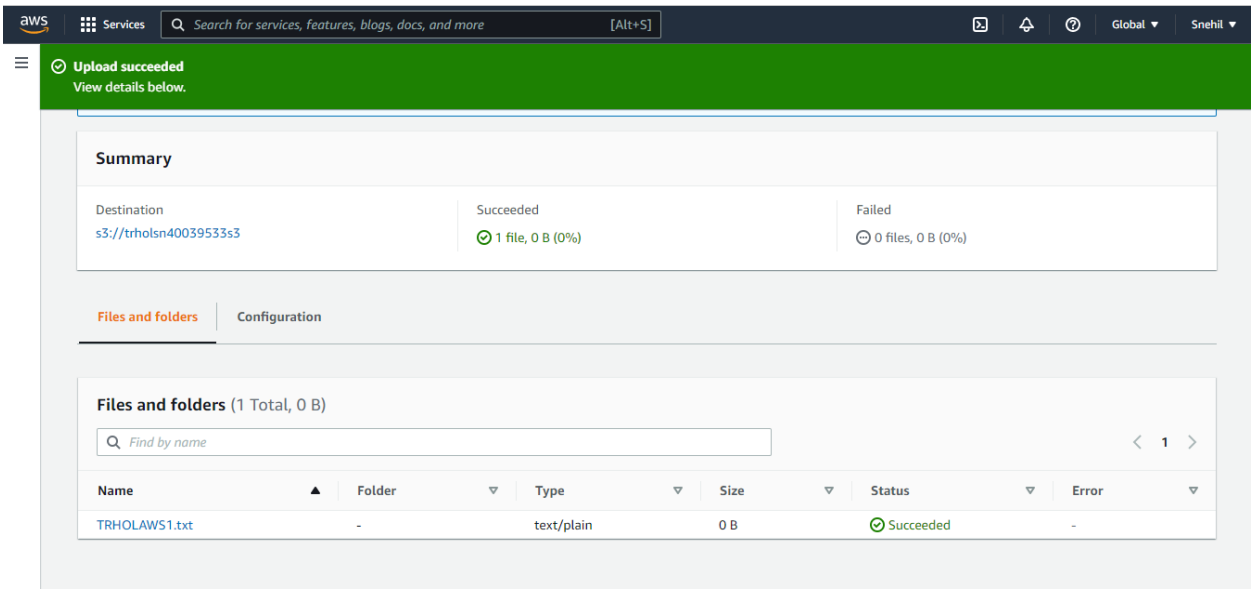




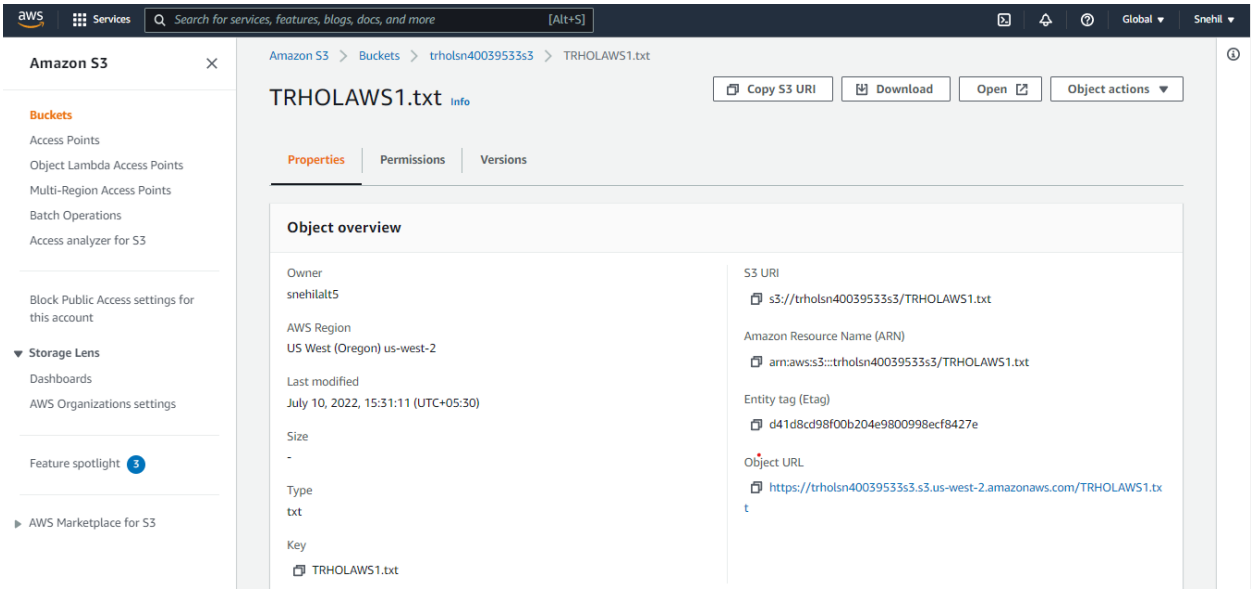
· **Create file name “TRHOLAWSL1”**

• **Upload the object onto S3**

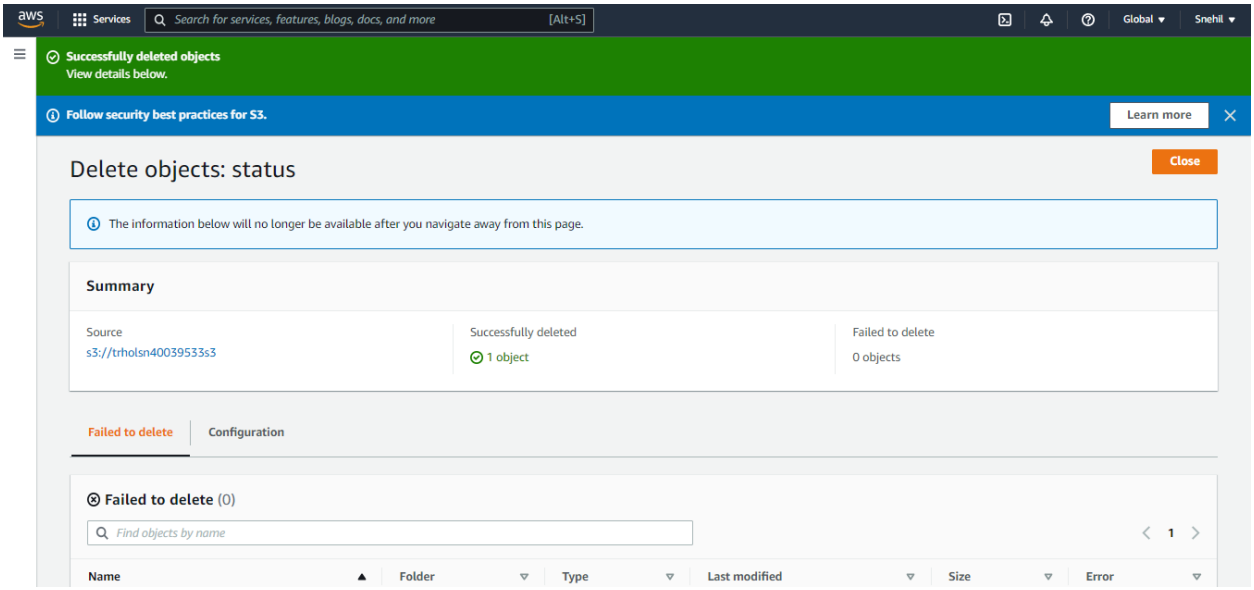




• View the Object and its proprieties

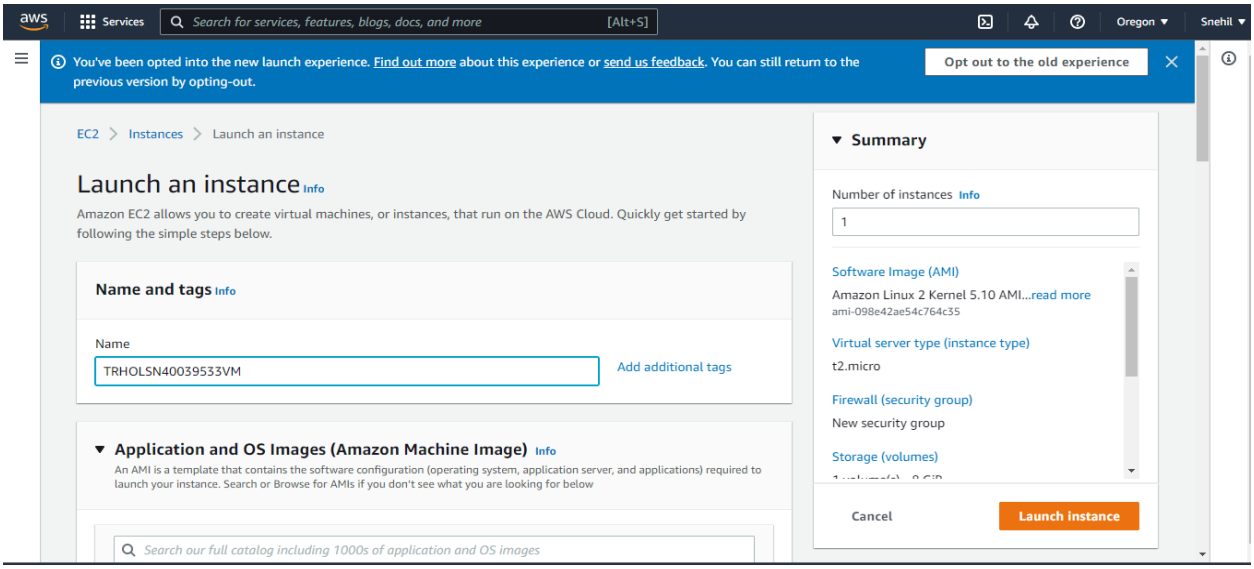


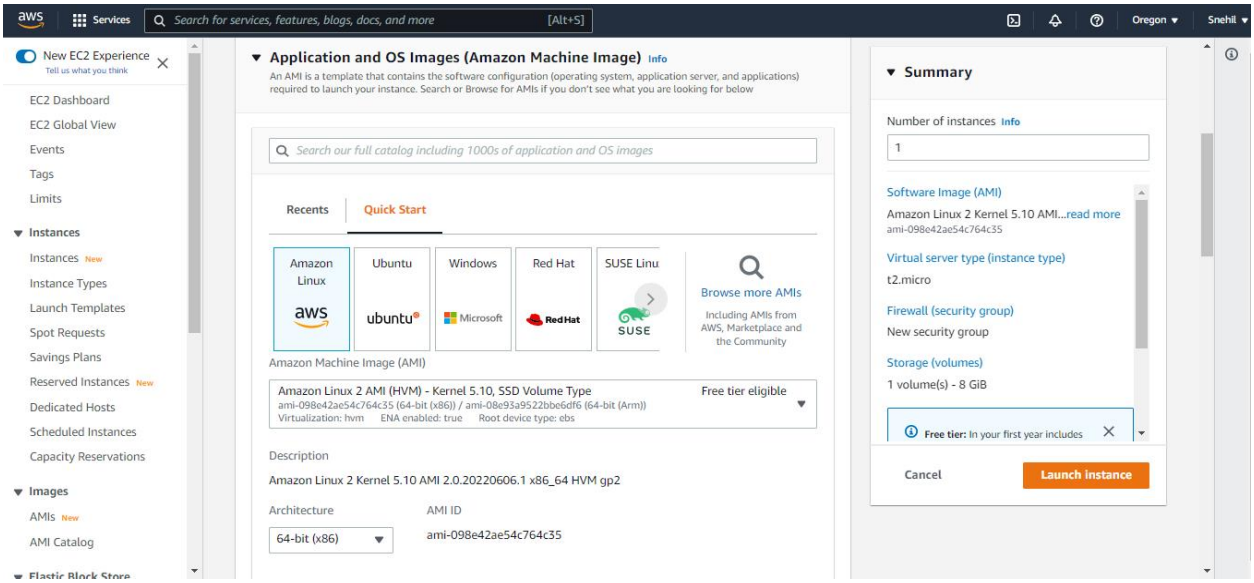
· **Delete the Object**

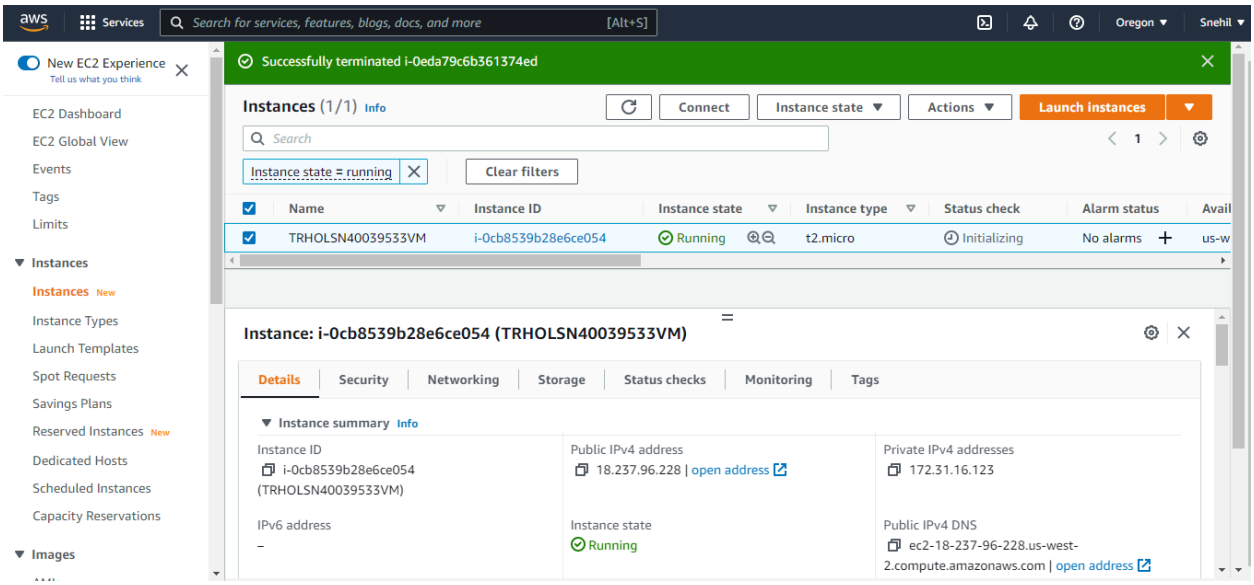


Assignment 2:

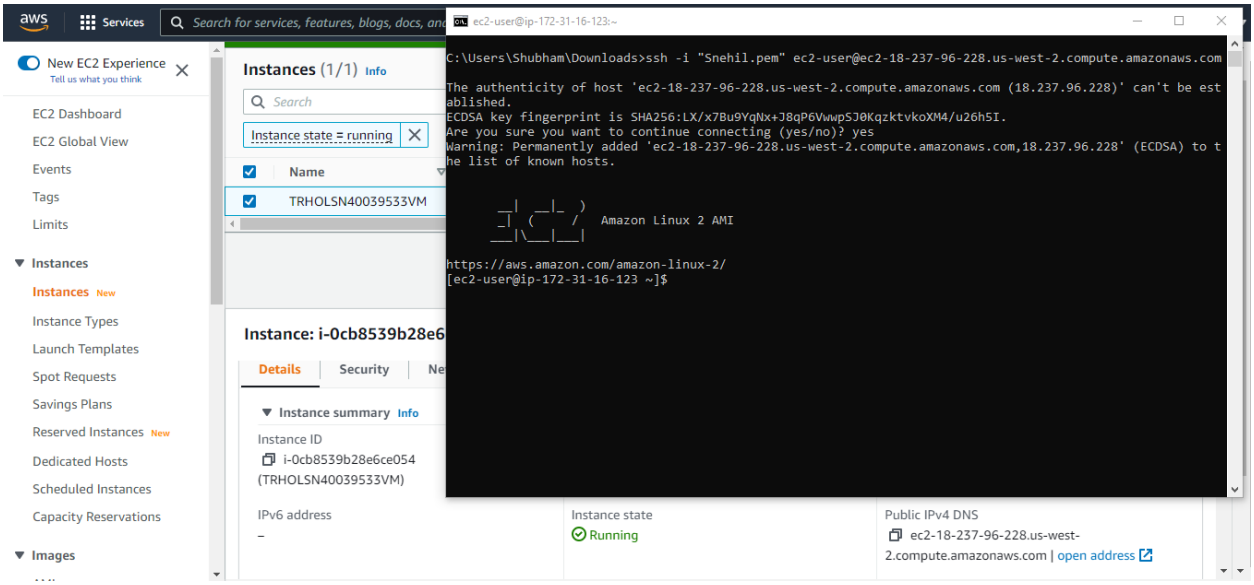
- **Create VM (instance Type t2.micro) with tag “TRHOL<Candidate AD ID name>VM” using Amazon Linux AMI**



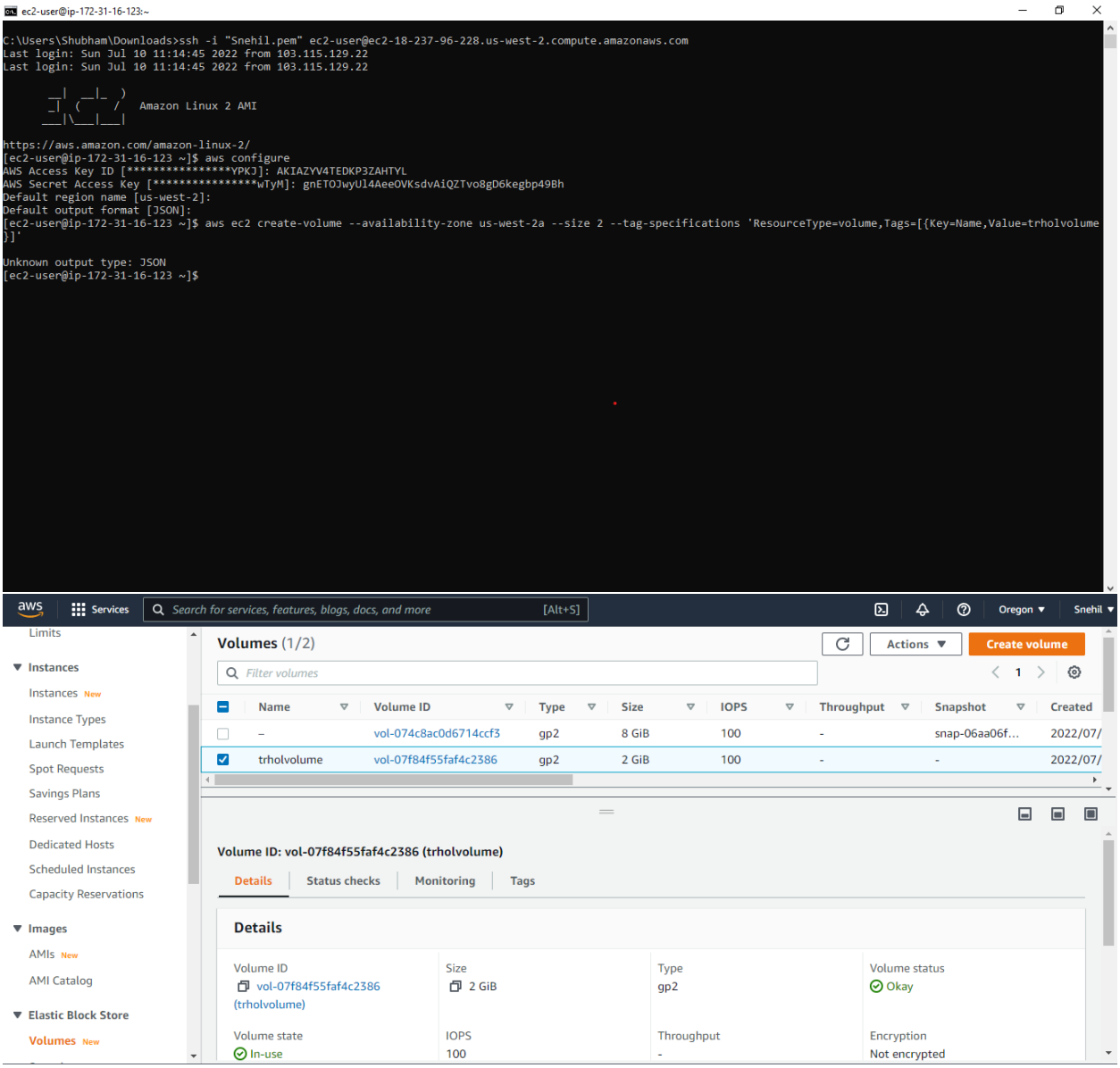


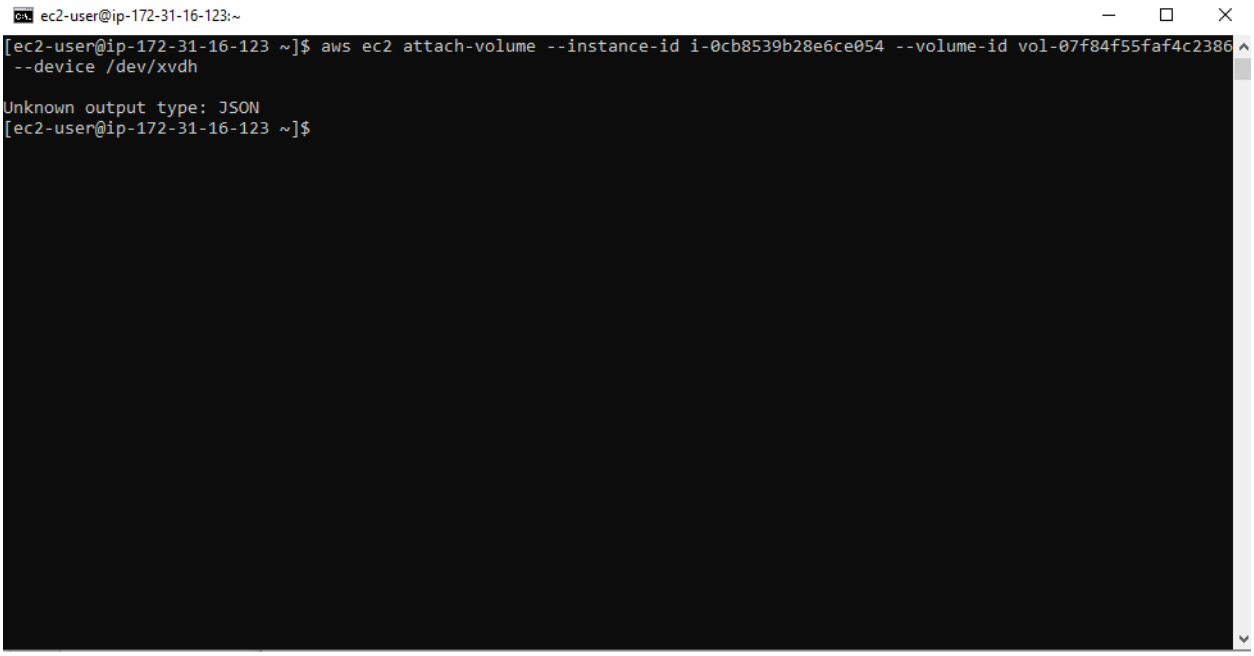


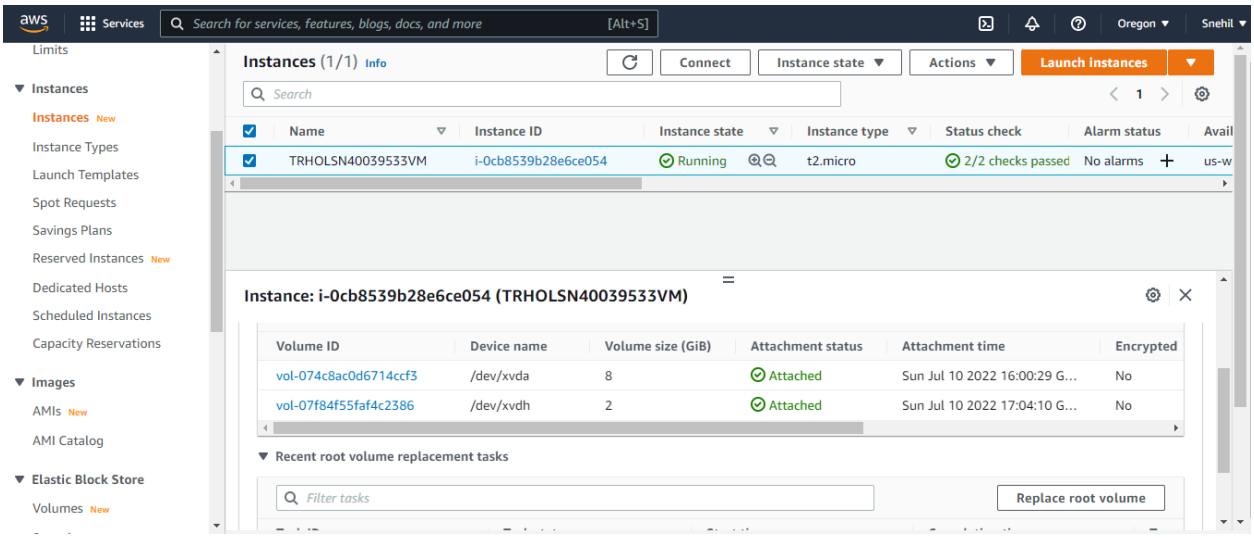
- **Login with using AWS CLI**



· Add internal disks to the VM “TRHOL<Candidate AD ID name>VM”




ec2-user@ip-172-31-16-123:~
[ec2-user@ip-172-31-16-123 ~]$ aws ec2 attach-volume --instance-id i-0cb8539b28e6ce054 --volume-id vol-07f84f55faf4c2386
--device /dev/xvdh
Unknown output type: JSON
[ec2-user@ip-172-31-16-123 ~]$


aws
Services
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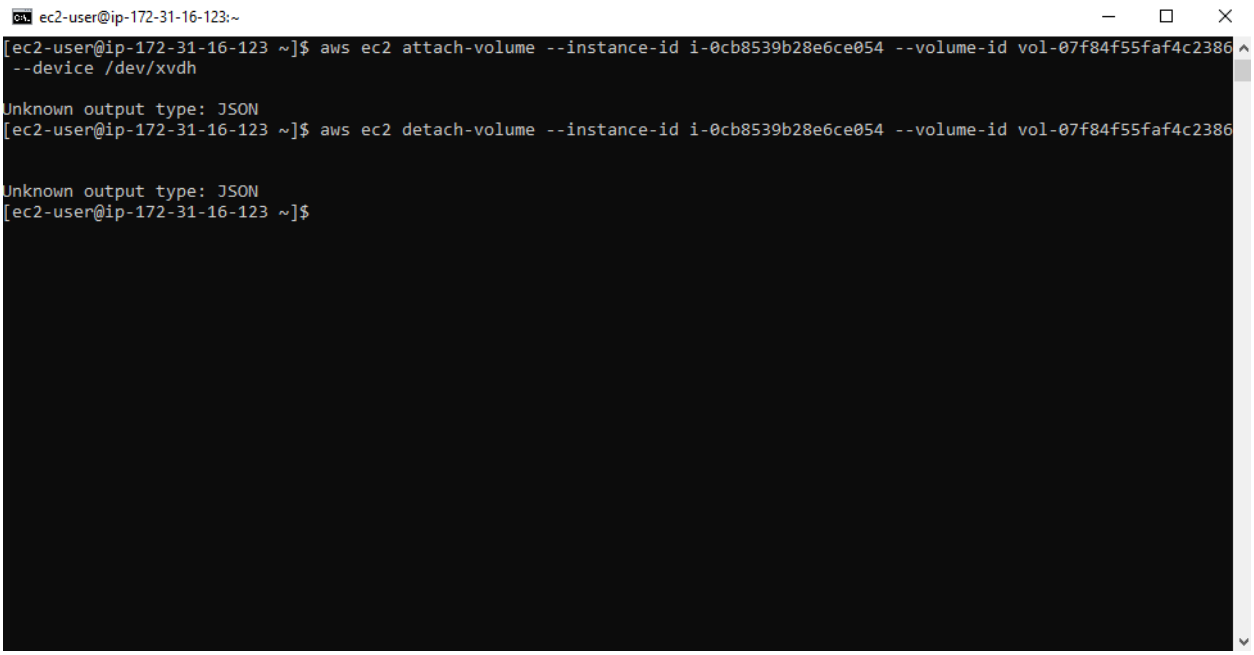
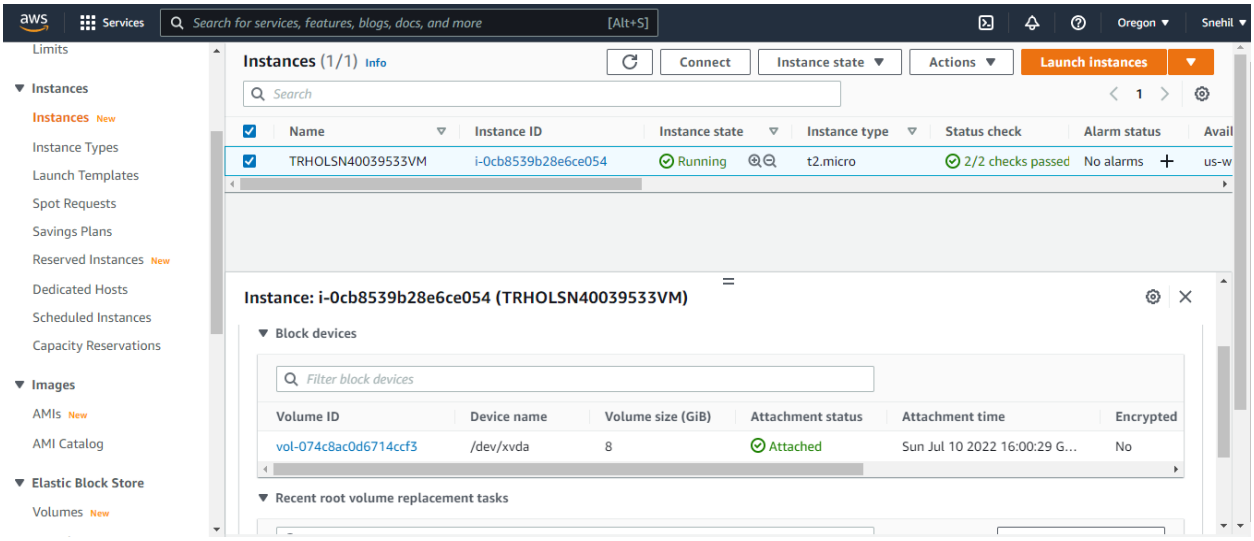
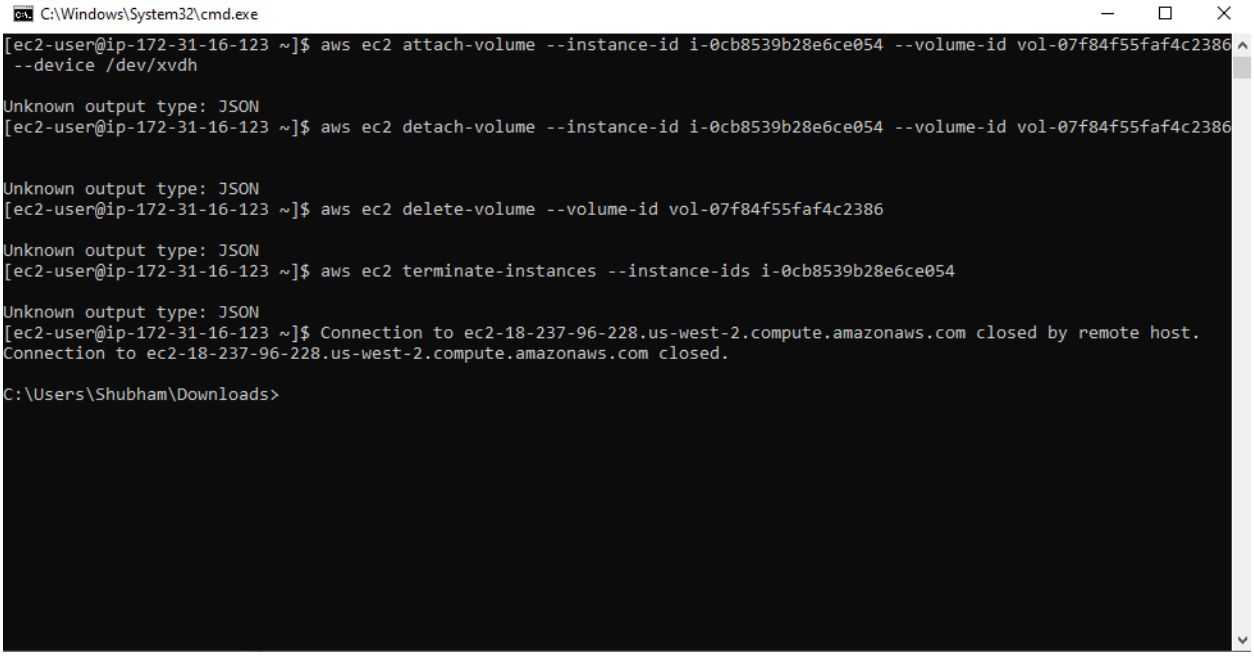
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Scheduled Instances
Capacity Reservations
Images
AMIs New
AMI Catalog
Elastic Block Store
Volumes New
Instances (1/1) Info
Connect
Instance state
Actions
Launch instances
Search
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
TRHOLSN40039533VM
i-0cb8539b28e6ce054
Running
t2.micro
2/2 checks passed
No alarms
Instance: i-0cb8539b28e6ce054 (TRHOLSN40039533VM)
Volume ID
Device name
Volume size (GiB)
Attachment status
Attachment time
Encrypted
vol-074c8ac0d6714ccf3
/dev/xvda
8
Attached
Sun Jul 10 2022 16:00:29 G...
No
vol-07f84f55faf4c2386
/dev/xvdh
2
Attached
Sun Jul 10 2022 17:04:10 G...
No
Recent root volume replacement tasks
Filter tasks
Replace root volume

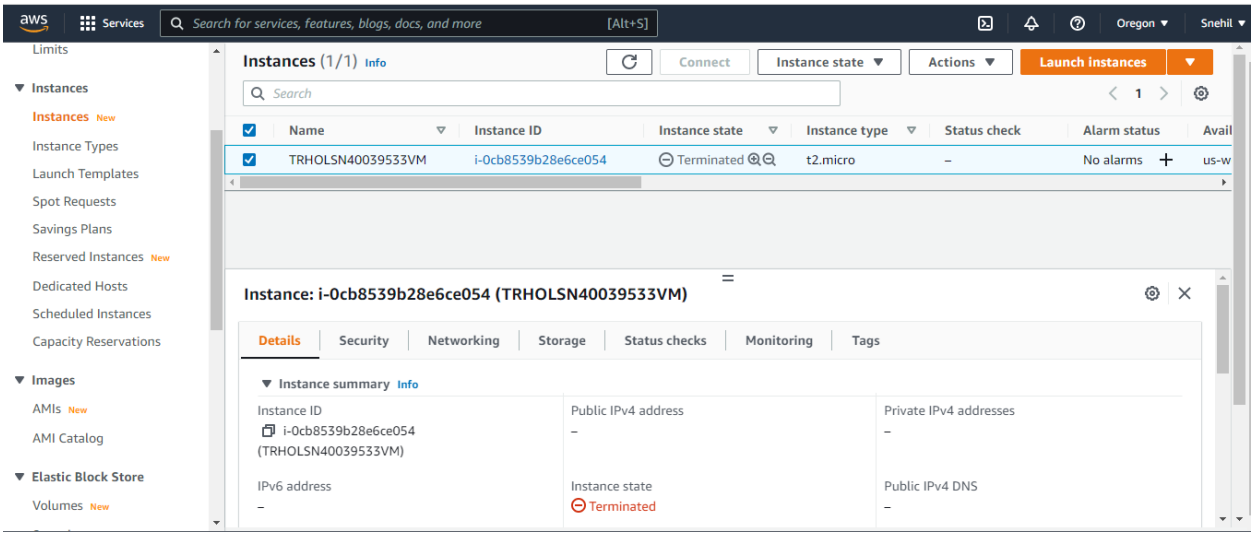
· **Remove disks from VM “TRHOL<Candidate AD ID name>VM”**





· **Delete VM “TRHOL<Candidate AD ID name>VM”**

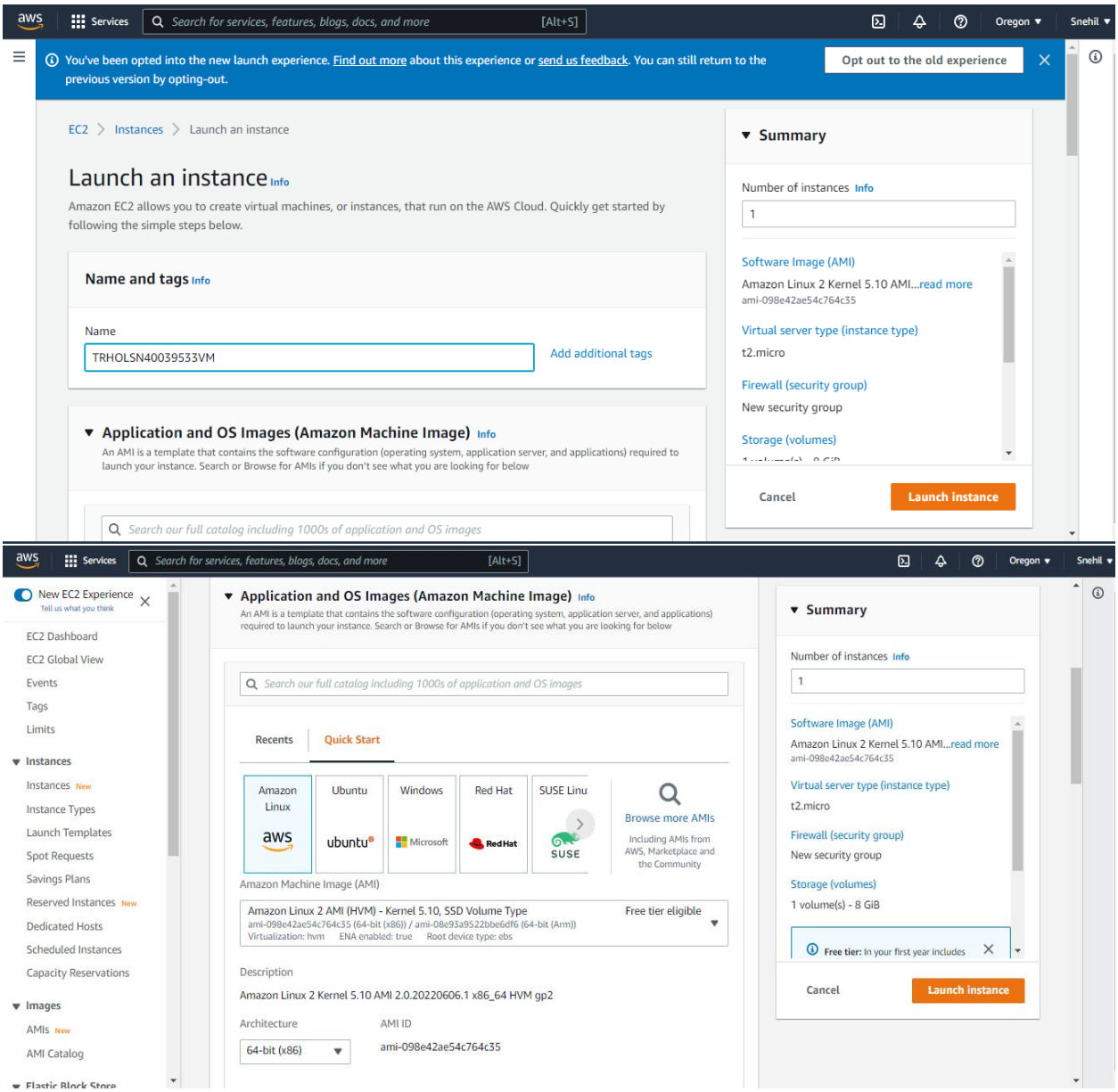


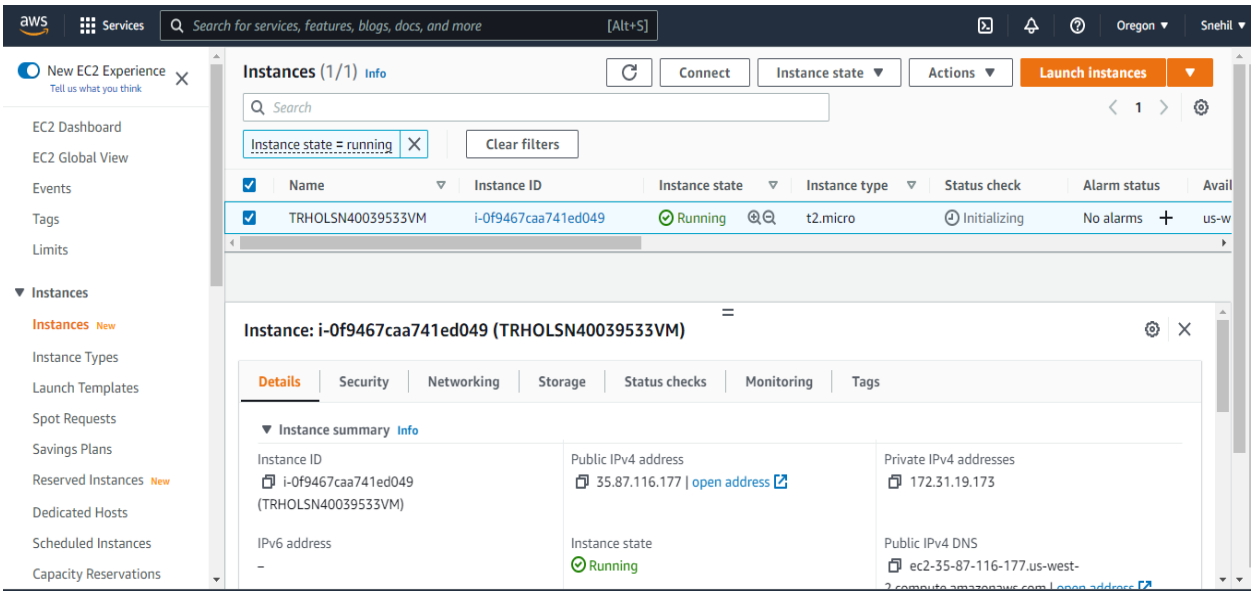


Topic 5: Management & Monitoring

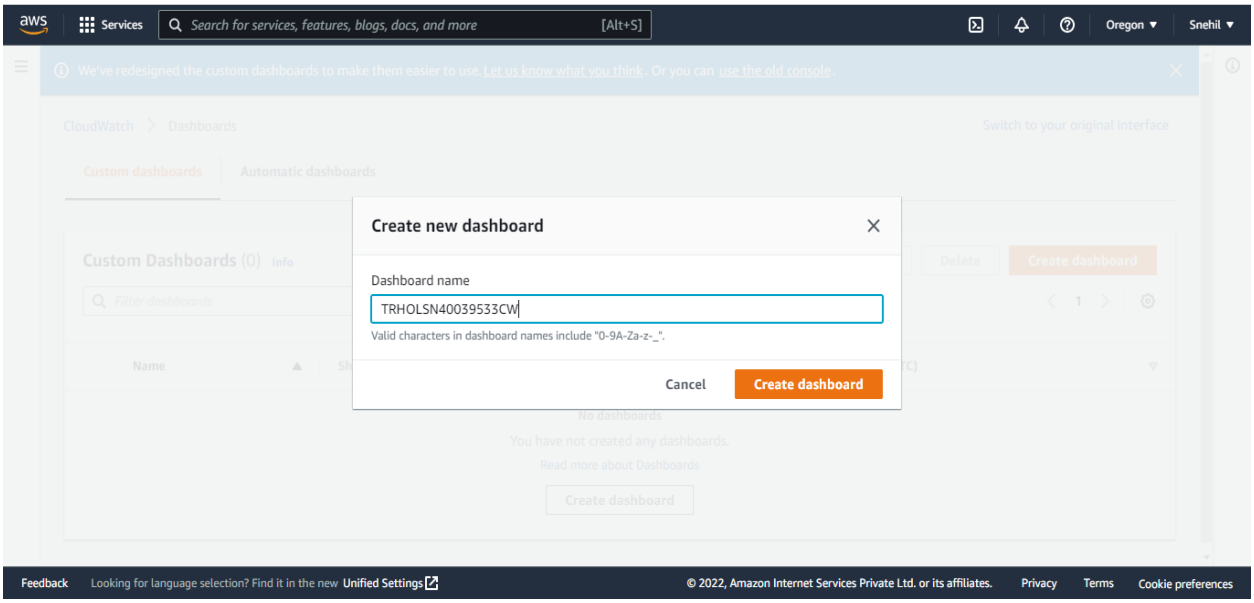
Assignment 1:

- **Create VM (instance Type t2.micro) with tag “TRHOL<Candidate AD ID name>VM” using Amazon Linux AMI**





- **Using Cloudwatch, create dashboard name “TRHOL<Candidate AD ID name>CW”**



· **Using widget check CPU utilization of “TRHOL<Candidate AD ID name>VM”**