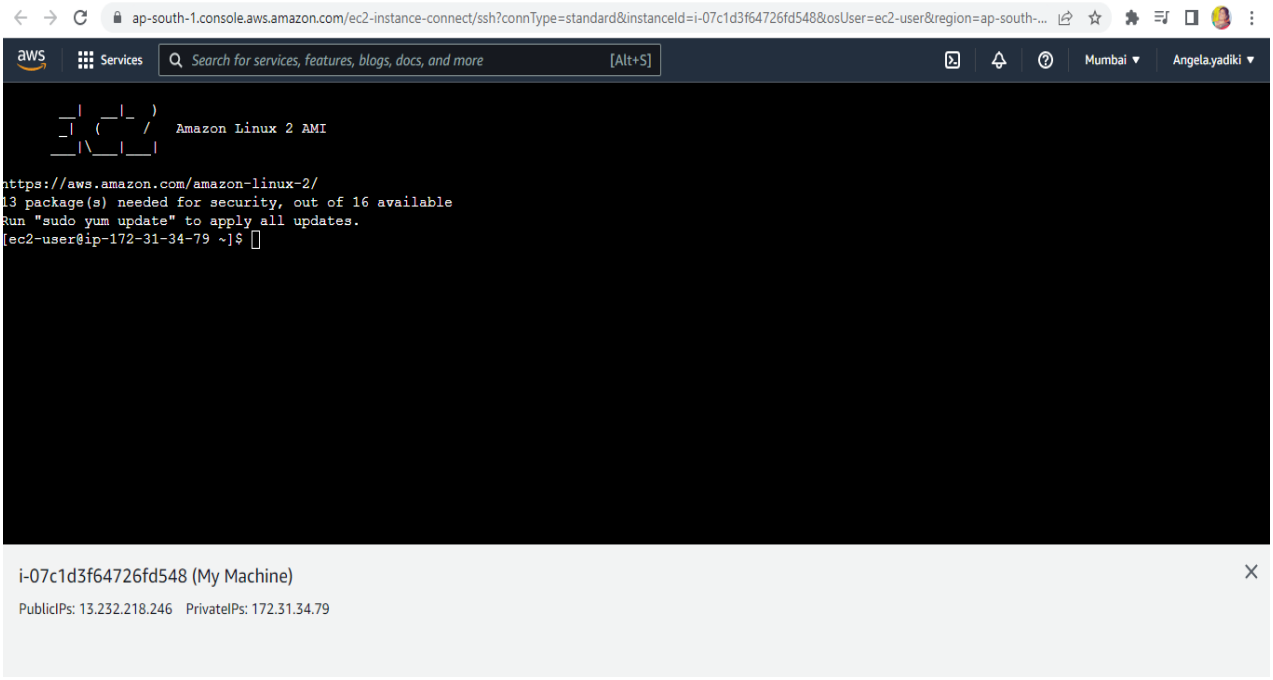
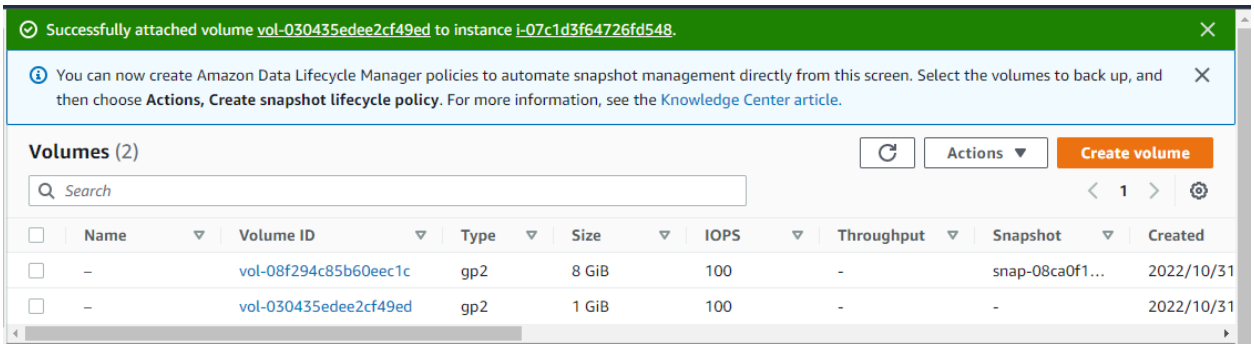
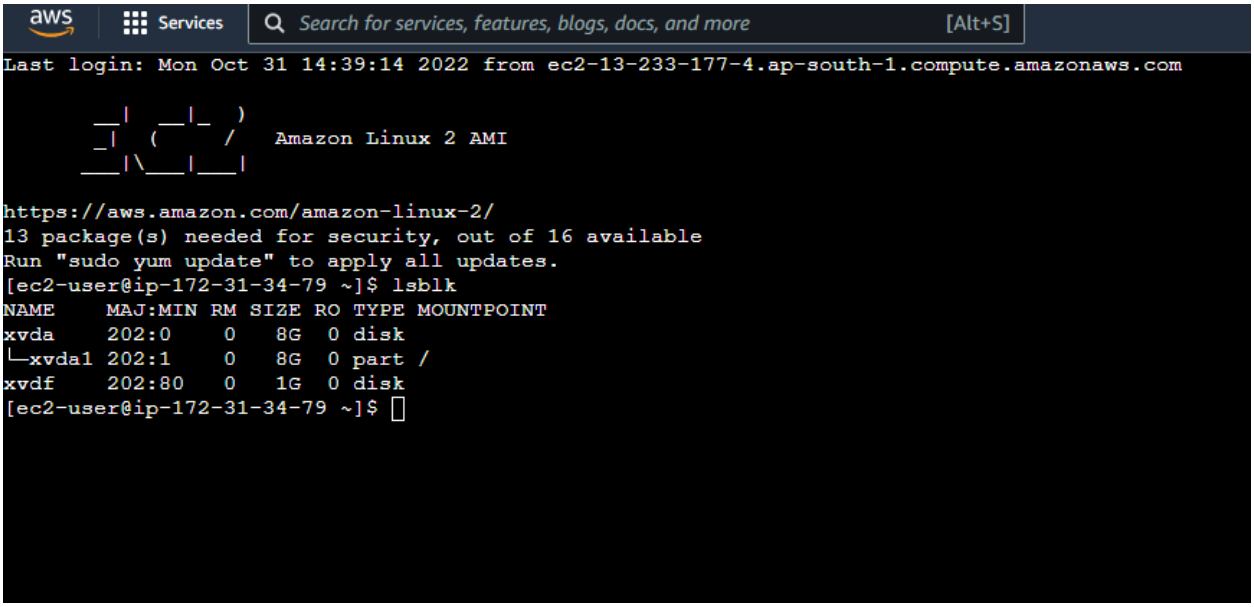
Task 1: Create EC2 Instance:

Created new EC2 instance and opened it in EC2 Instance connect.

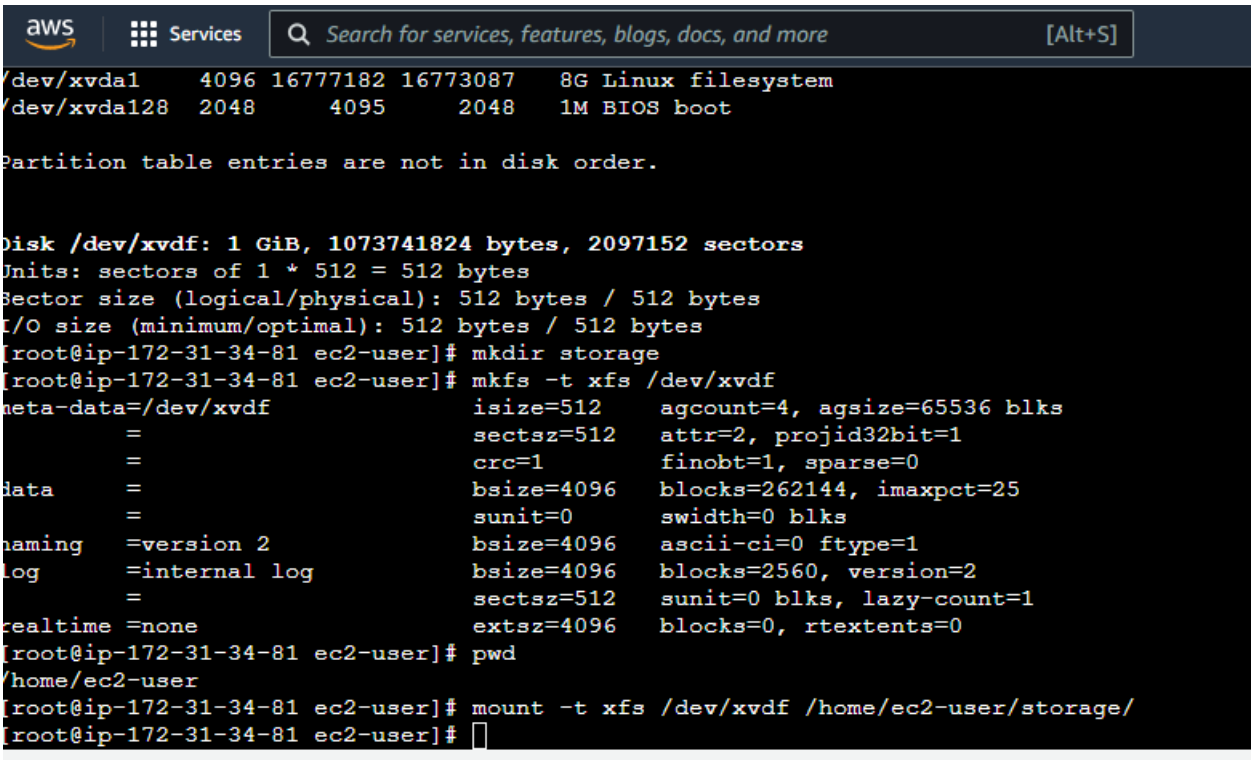


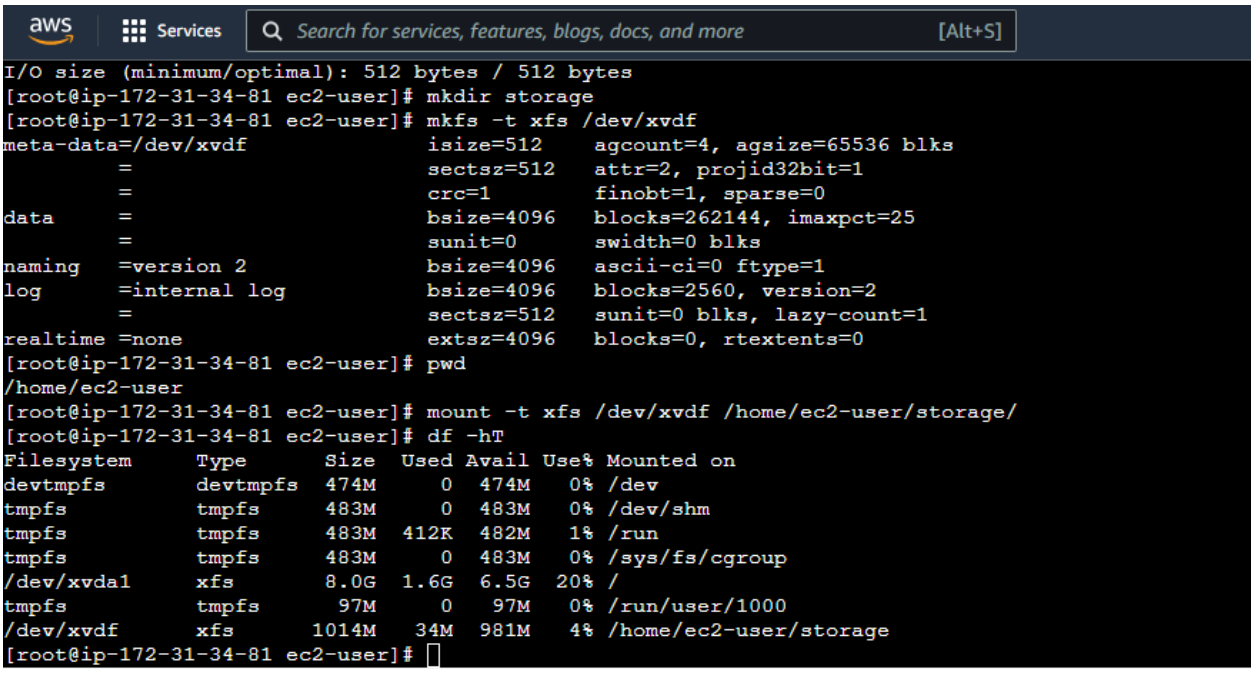
Task 2: Create Elastic Block Store:



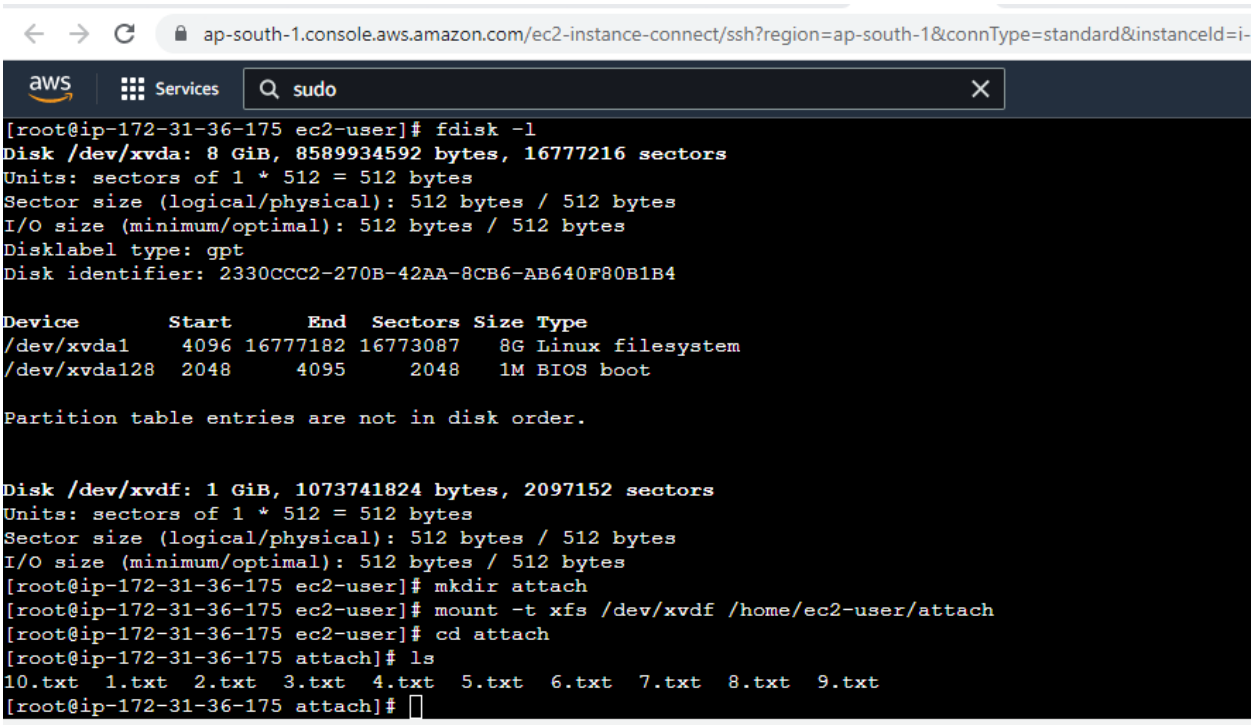


Mounting :

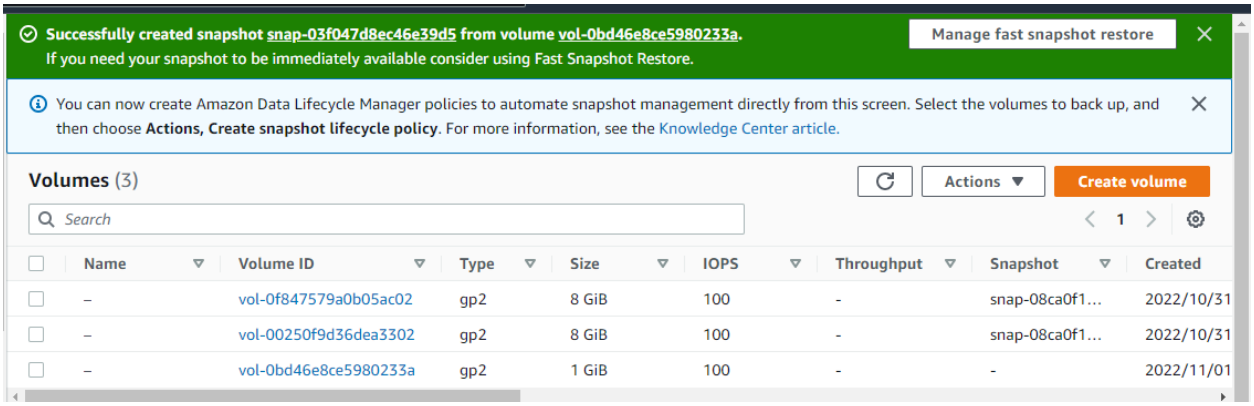


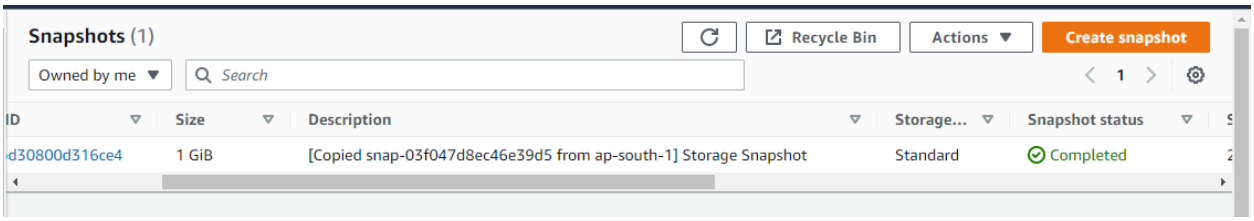


Mounting EC2 instance:



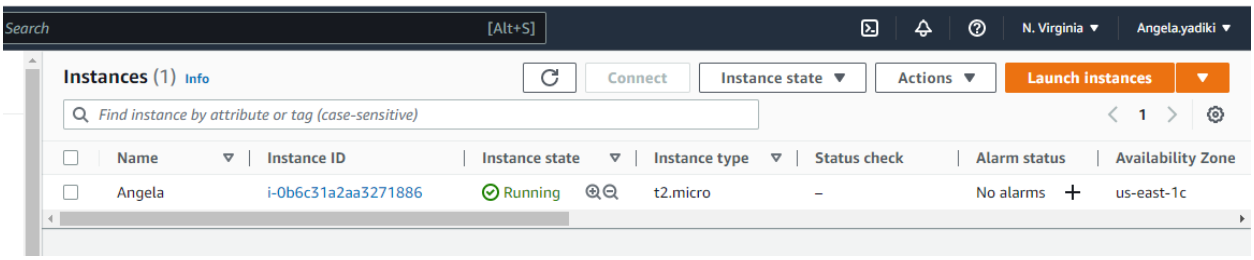
Task 3: Snapshot Screenshot creation:



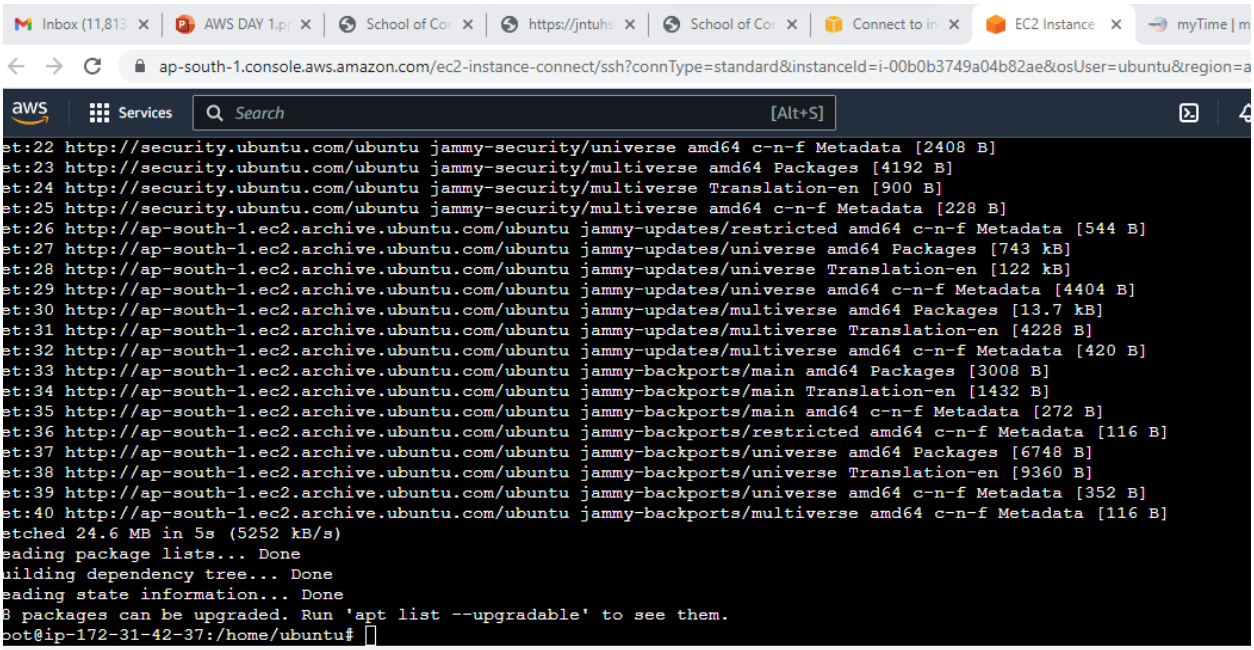


AMI:

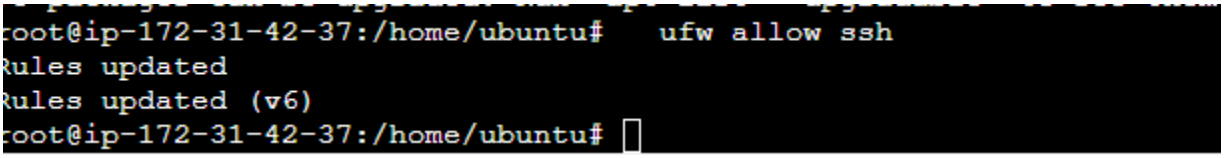
Create an EC2 Ubuntu Instance called Angela



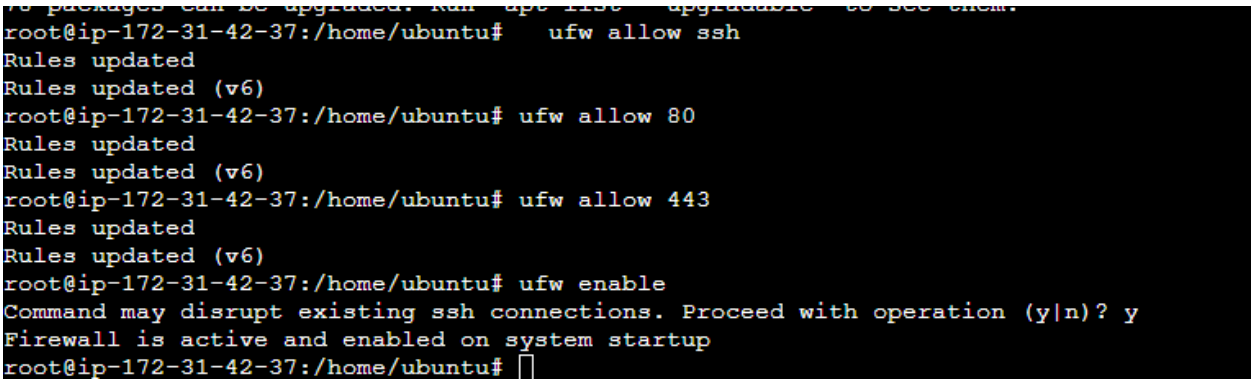
Use apt update command



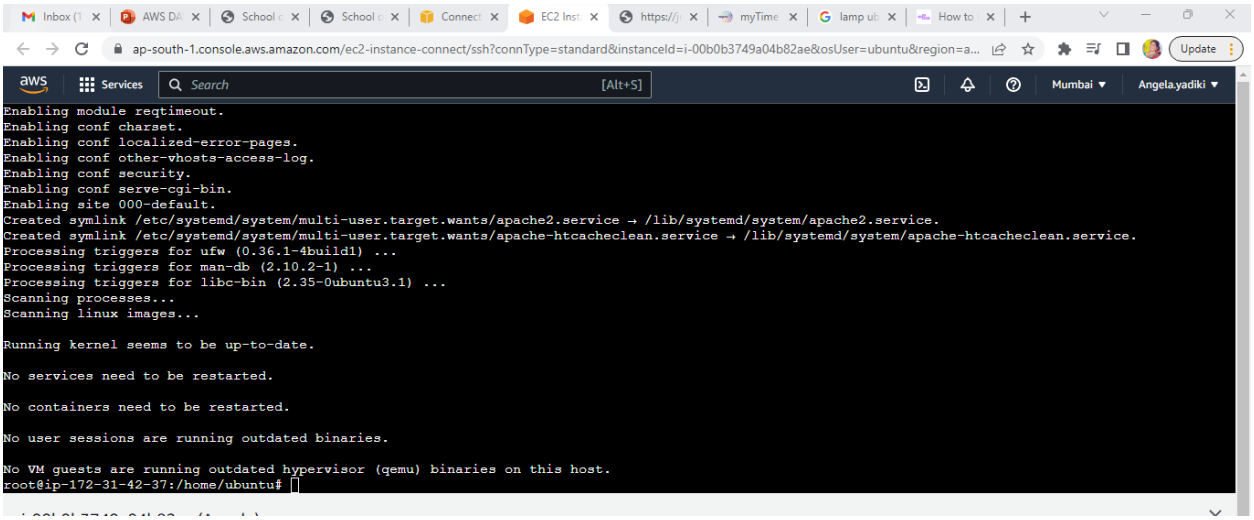
Use command ufw allow ssh



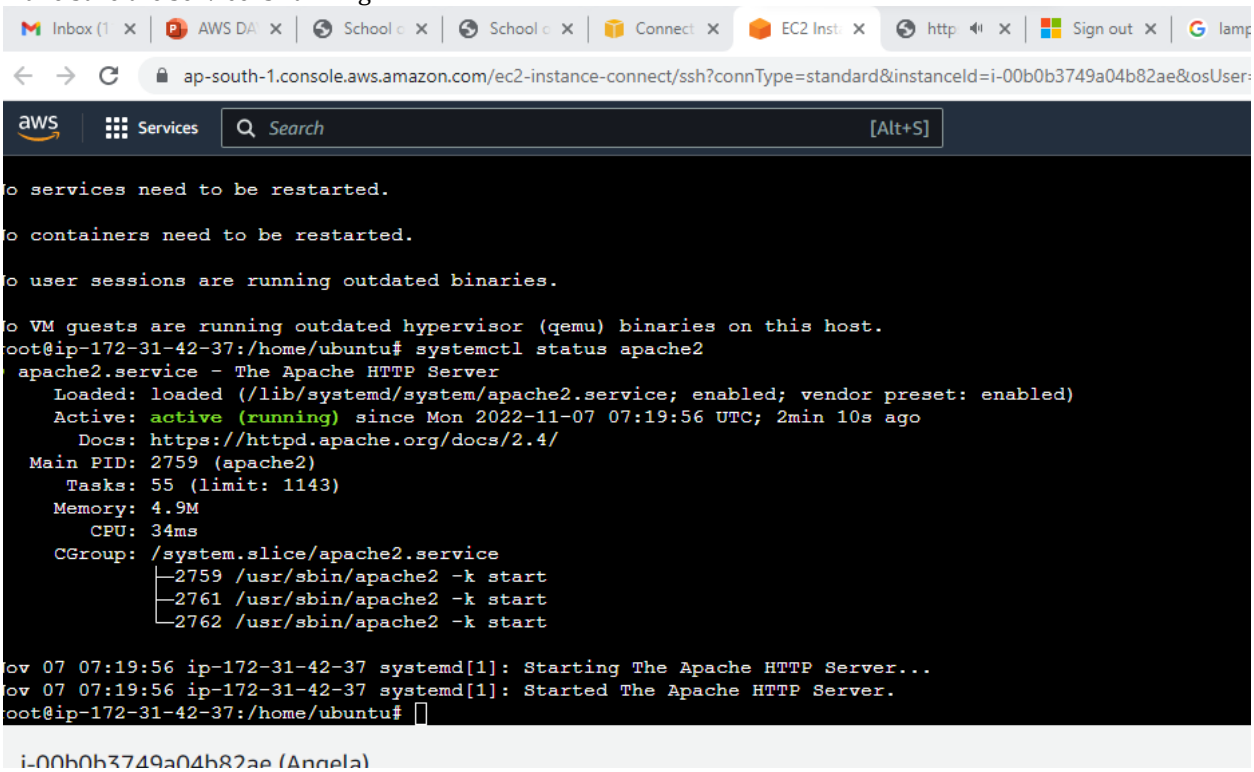
Enable the ports 80,443 by using below commands :
ufw allow 80
ufw allow 443
ufw enable



Check whether Apache service is enabled, If not, use the command apt install apache2 to install the service.



Make sure the service is running.



Modify inbound rules of the EC2 to enable HTTP port 80 and access the public IP of the EC2 instance.

Security groups

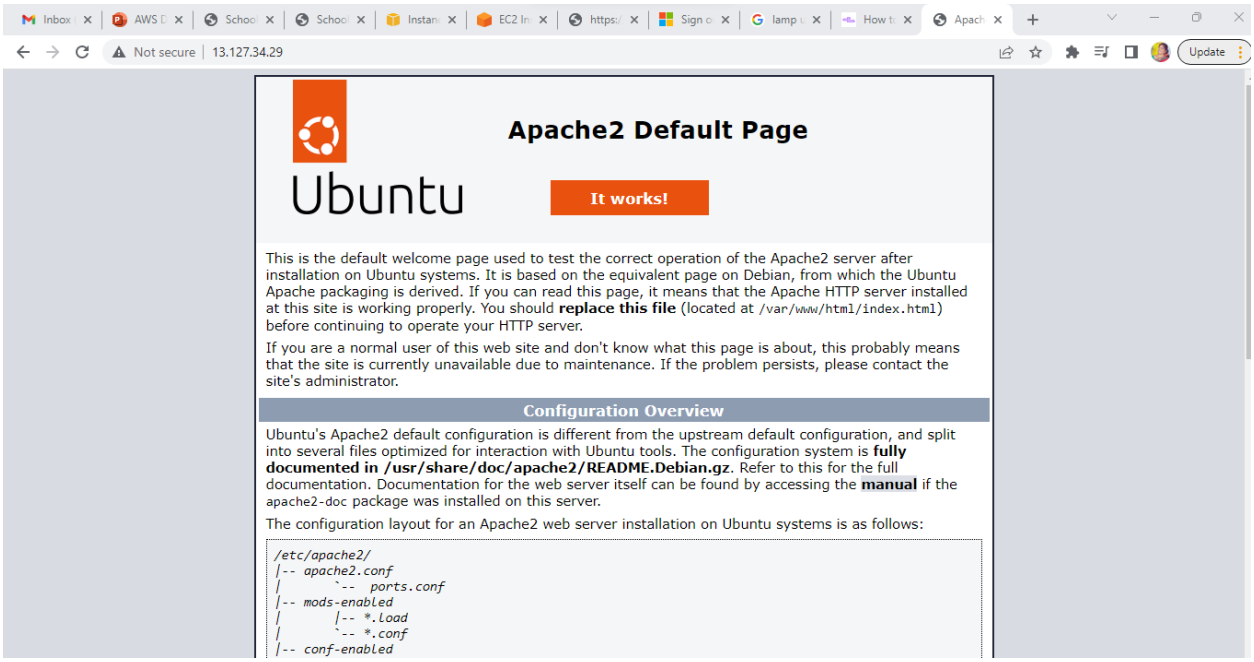
sg-0390da48a41b42ac2 (launch-wizard-6)

▼ Inbound rules

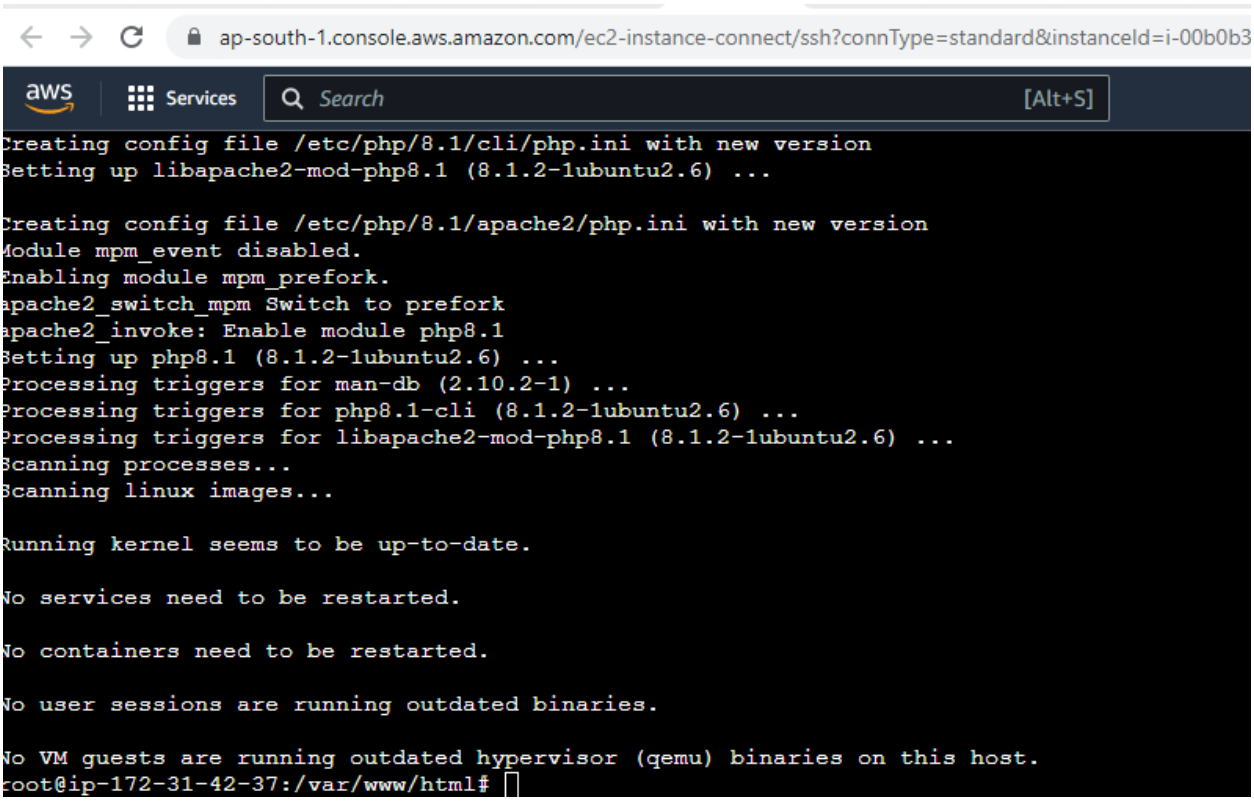
Filter rules

1

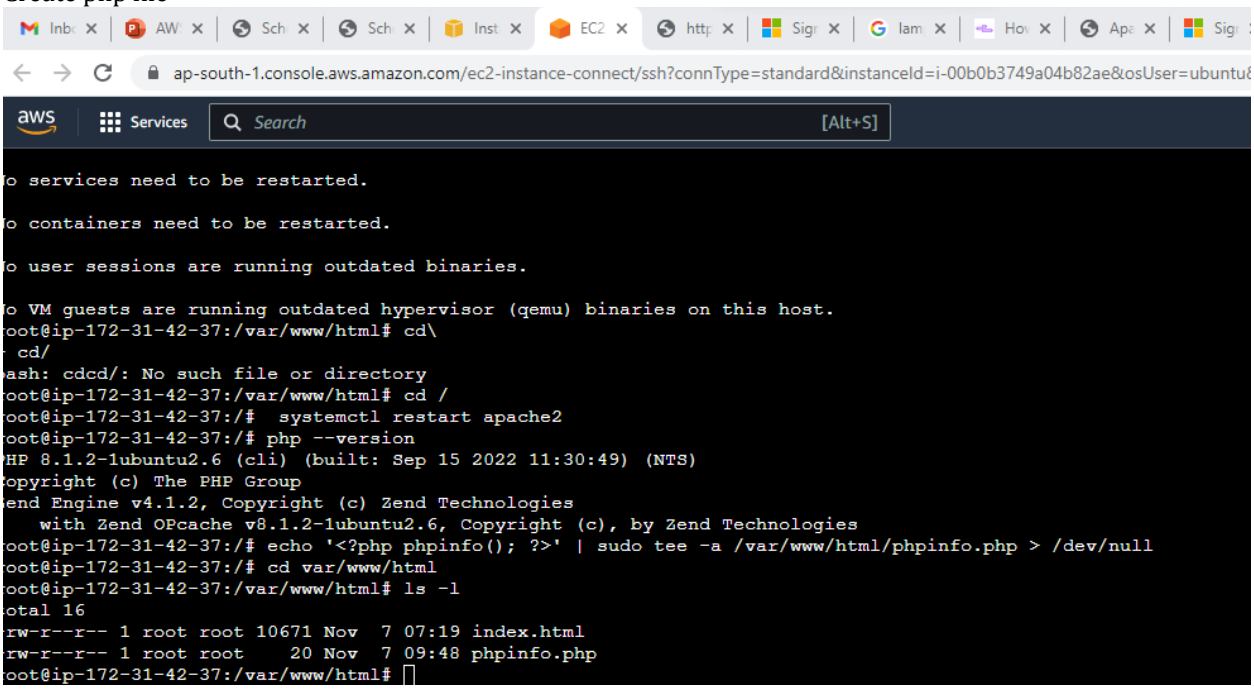
Security group rule ID	Port range	Protocol	Source	Security groups
sgr-0e4d63b53017be1c7	22	TCP	0.0.0.0/0	launch-wizard-6
sgr-001c6cf51cd9e4163	80	TCP	0.0.0.0/0	launch-wizard-6



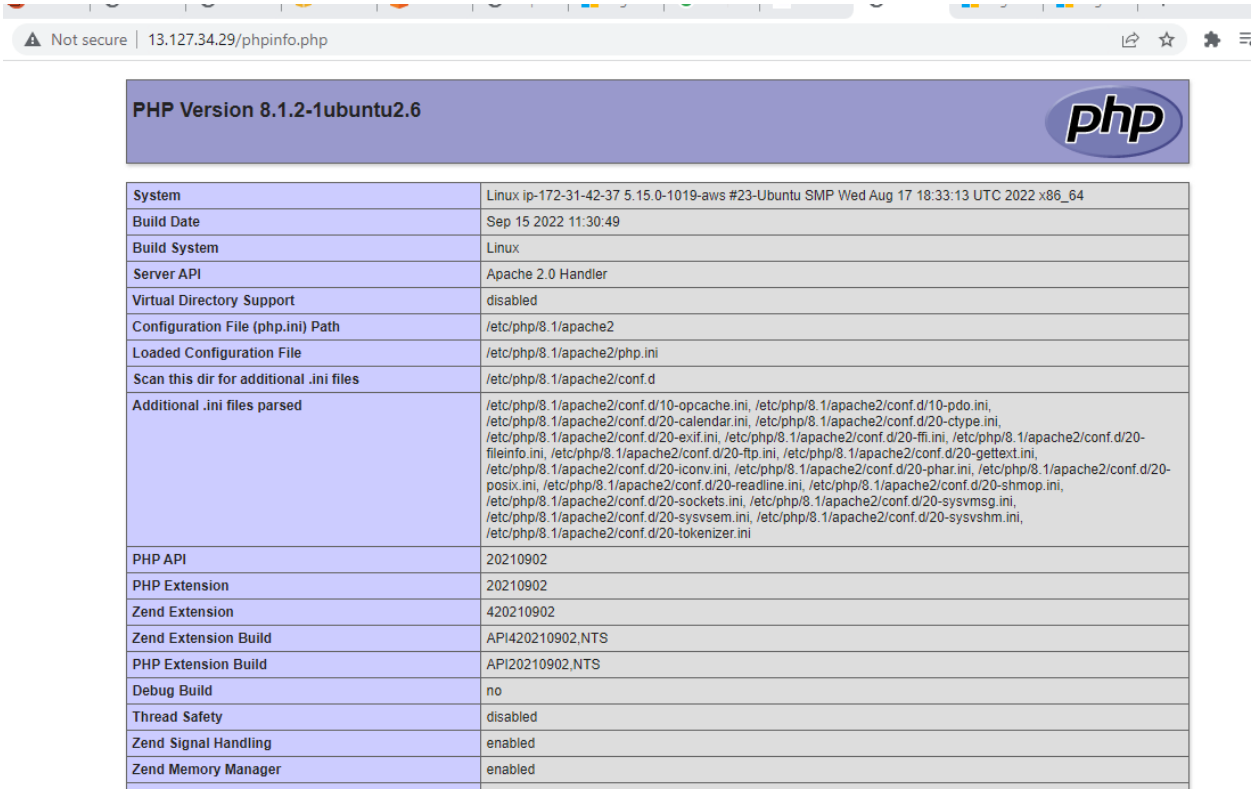
Install php 8.1 and restart the php services



Create php file

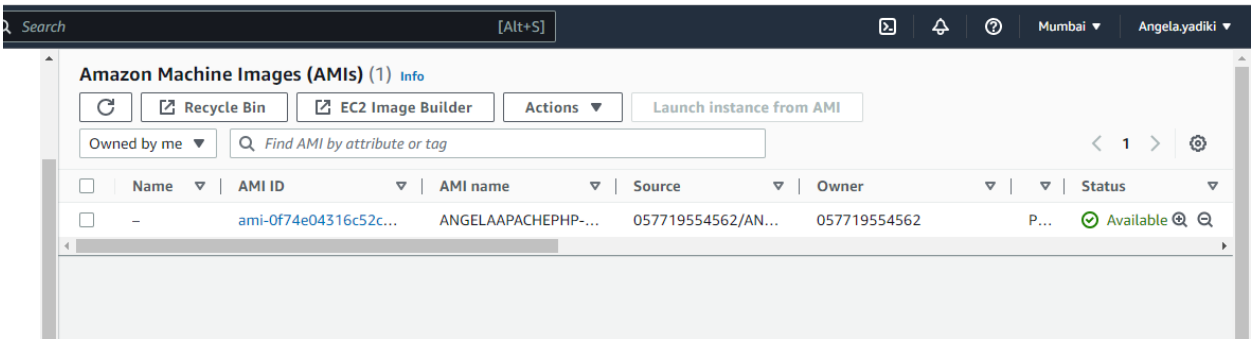


Test PHP web page with following command http://13.127.34.29/phpinfo.php

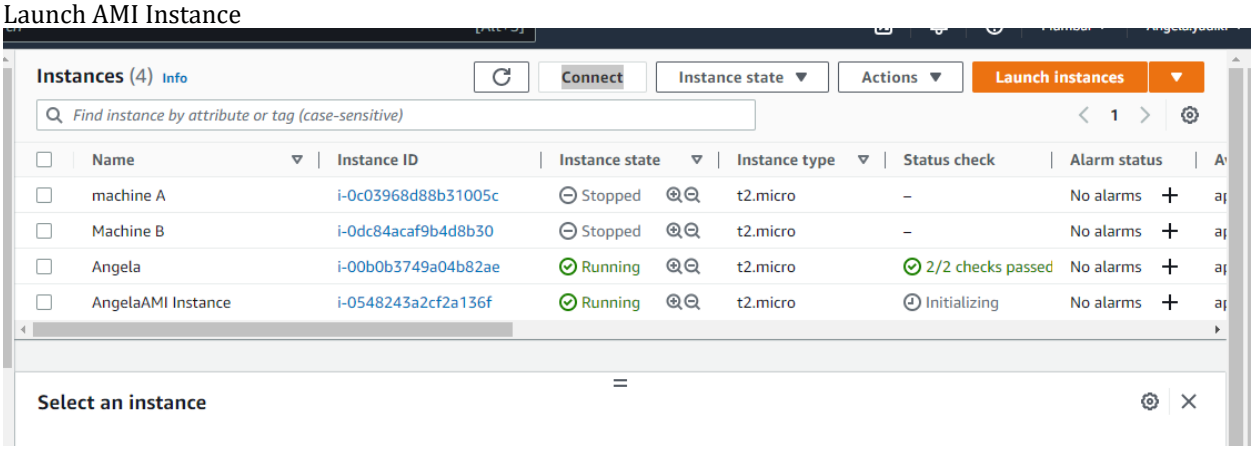


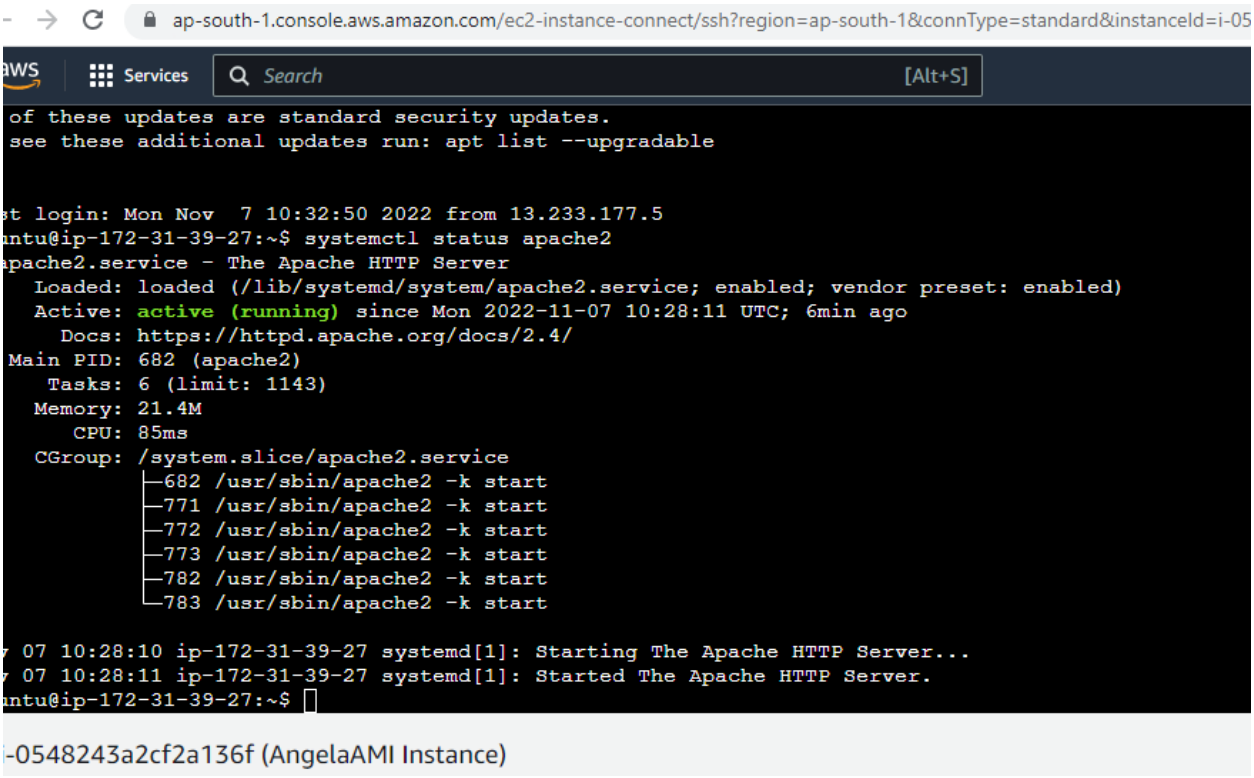
System	Linux ip-172-31-42-37 5.15.0-1019-aws #23-Ubuntu SMP Wed Aug 17 18:33:13 UTC 2022 x86_64
Build Date	Sep 15 2022 11:30:49
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
Scan this dir for additional .ini files	/etc/php/8.1/apache2/conf.d
Additional .ini files parsed	/etc/php/8.1/apache2/conf.d/10-opcache.ini, /etc/php/8.1/apache2/conf.d/10-pdo.ini, /etc/php/8.1/apache2/conf.d/20-calendar.ini, /etc/php/8.1/apache2/conf.d/20-ctype.ini, /etc/php/8.1/apache2/conf.d/20-exif.ini, /etc/php/8.1/apache2/conf.d/20-ffi.ini, /etc/php/8.1/apache2/conf.d/20-fileinfo.ini, /etc/php/8.1/apache2/conf.d/20-ftp.ini, /etc/php/8.1/apache2/conf.d/20-gettext.ini, /etc/php/8.1/apache2/conf.d/20-iconv.ini, /etc/php/8.1/apache2/conf.d/20-phar.ini, /etc/php/8.1/apache2/conf.d/20-posix.ini, /etc/php/8.1/apache2/conf.d/20-readline.ini, /etc/php/8.1/apache2/conf.d/20-shmop.ini, /etc/php/8.1/apache2/conf.d/20-sockets.ini, /etc/php/8.1/apache2/conf.d/20-sysvmsg.ini, /etc/php/8.1/apache2/conf.d/20-sysvsem.ini, /etc/php/8.1/apache2/conf.d/20-sysvshm.ini, /etc/php/8.1/apache2/conf.d/20-tokenizer.ini
PHP API	20210902
PHP Extension	20210902
Zend Extension	420210902
Zend Extension Build	API420210902,NTS
PHP Extension Build	API20210902,NTS
Debug Build	no
Thread Safety	disabled
Zend Signal Handling	enabled
Zend Memory Manager	enabled

Create an AMI on Console:

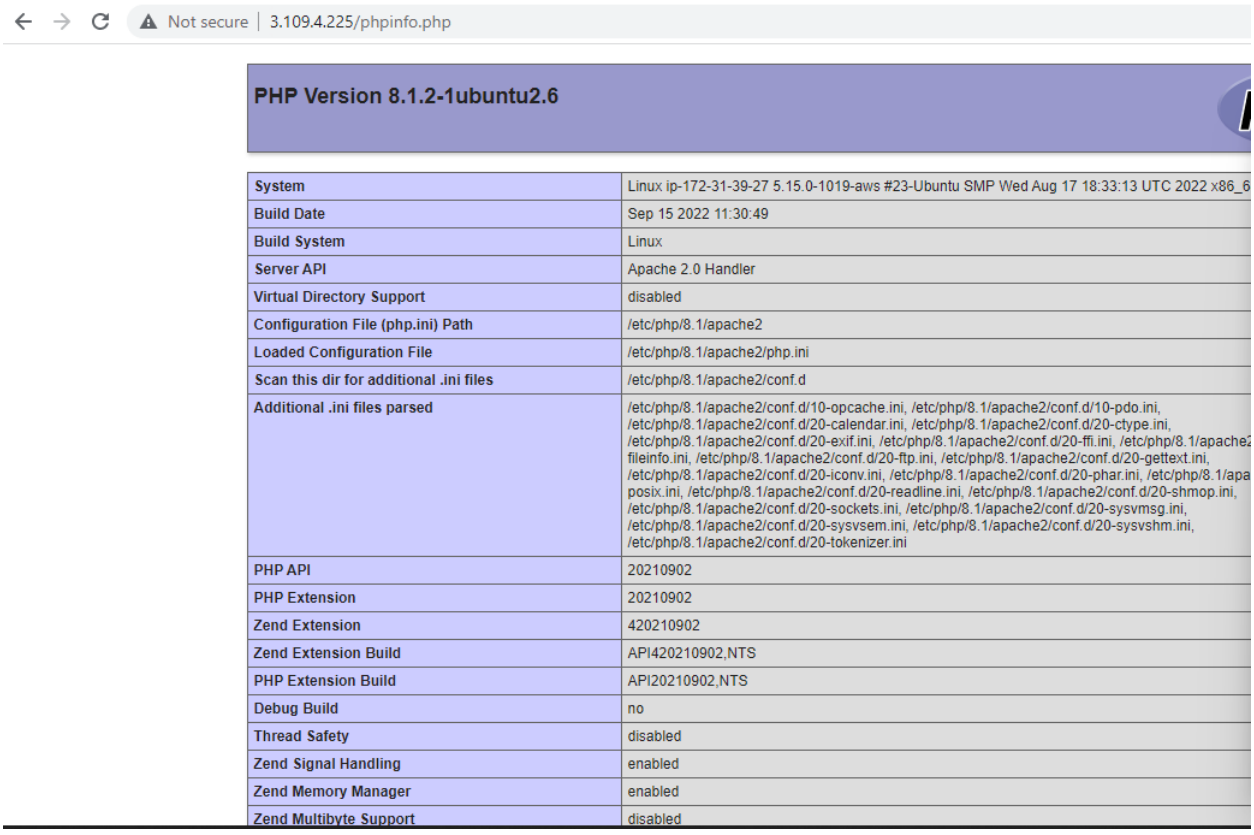


Launch AMI Instance



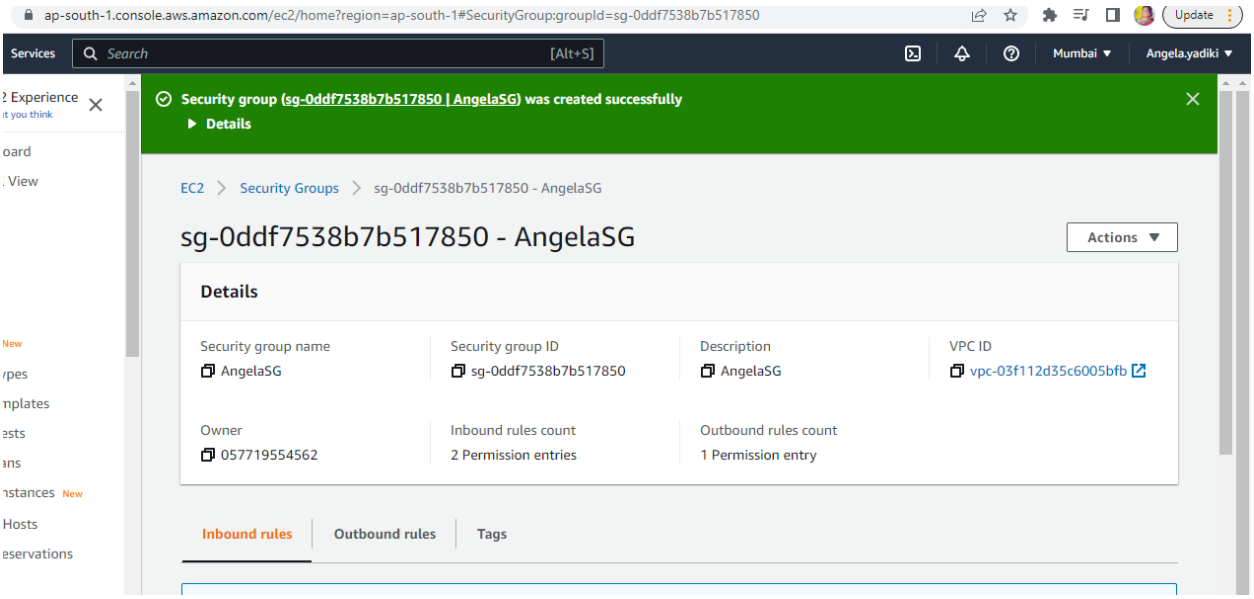


http://3.109.4.225/phpinfo.php

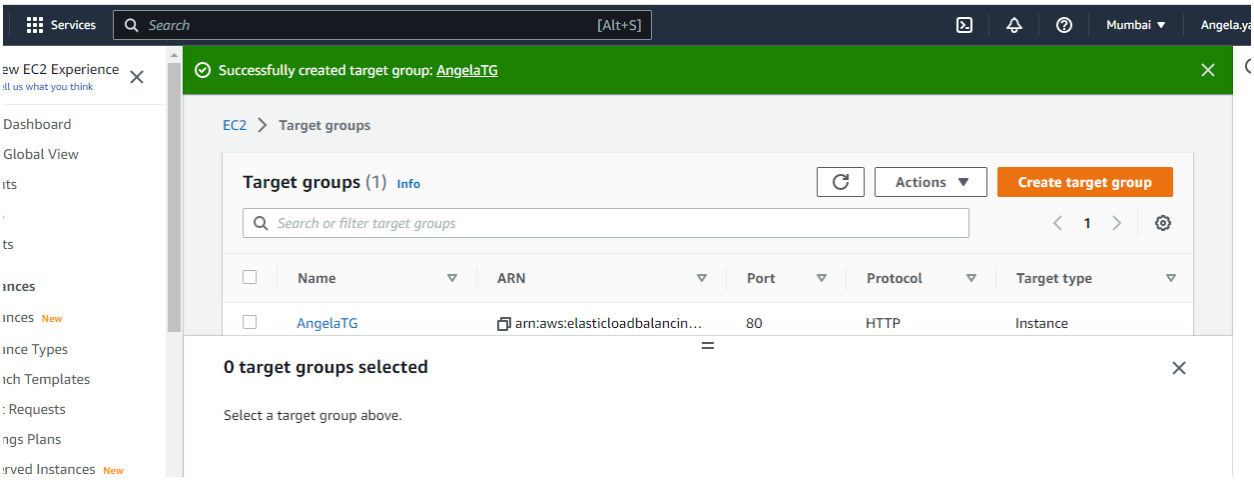


Load Balancer:

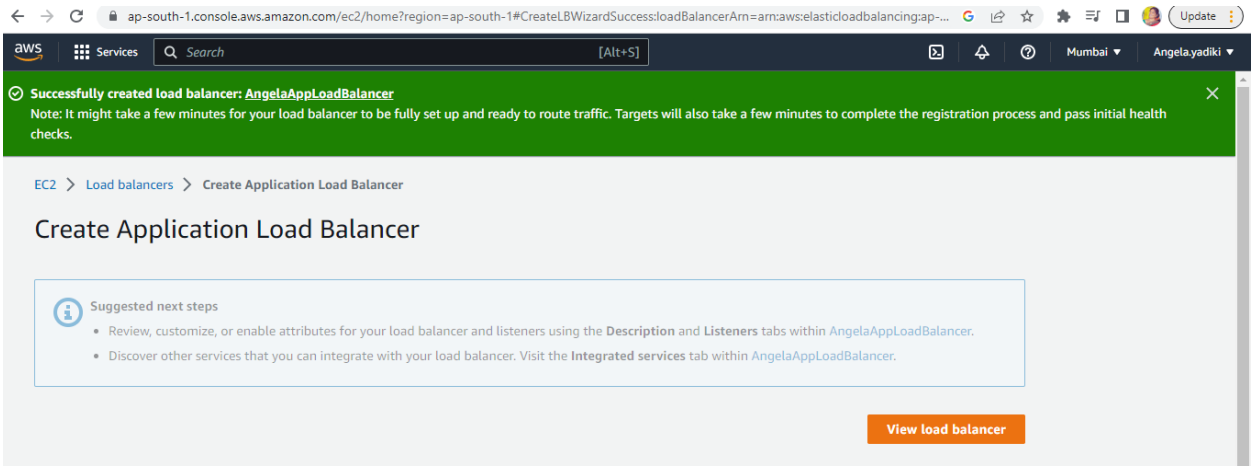
While creating a load balancer, Create a Security group to avoid error with inbound security rules



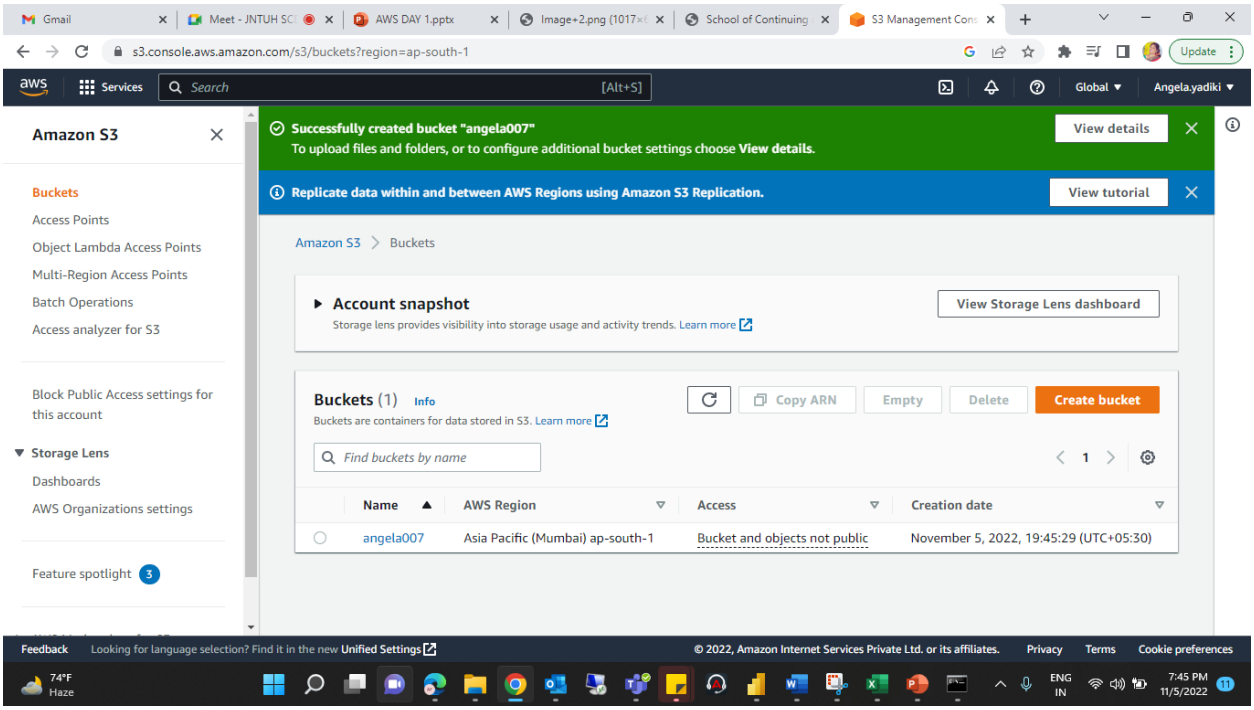
Create Target Group:



Create Load balancer:


ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#CreateLBWizardSuccess:loadBalancerArn=arn:aws:elasticloadbalancing:ap-...
Update
aws
Services
Search
[Alt+S]
Mumbai
Angela.yadiki
Successfully created load balancer: AngelaAppLoadBalancer
Note: It might take a few minutes for your load balancer to be fully set up and ready to route traffic. Targets will also take a few minutes to complete the registration process and pass initial health checks.
EC2 > Load balancers > Create Application Load Balancer
Create Application Load Balancer
Suggested next steps
Review, customize, or enable attributes for your load balancer and listeners using the Description and Listeners tabs within AngelaAppLoadBalancer.
Discover other services that you can integrate with your load balancer. Visit the Integrated services tab within AngelaAppLoadBalancer.
View load balancer

S3:


Gmail
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AWS DAY 1.pptx
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School of Continuing
S3 Management Cons
s3.console.aws.amazon.com/s3/buckets?region=ap-south-1
Update
aws
Services
Search
[Alt+S]
Global
Angela.yadiki
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
Access analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
3
Successfully created bucket "angela007"
To upload files and folders, or to configure additional bucket settings choose View details.
View details
Replicate data within and between AWS Regions using Amazon S3 Replication.
View tutorial
Amazon S3 > Buckets
Account snapshot
Storage lens provides visibility into storage usage and activity trends. Learn more
View Storage Lens dashboard
Buckets (1) Info
Buckets are containers for data stored in S3. Learn more
Copy ARN
Empty
Delete
Create bucket
Find buckets by name
1
Name
AWS Region
Access
Creation date
angela007
Asia Pacific (Mumbai) ap-south-1
Bucket and objects not public
November 5, 2022, 19:45:29 (UTC+05:30)
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences
74°F
Haze
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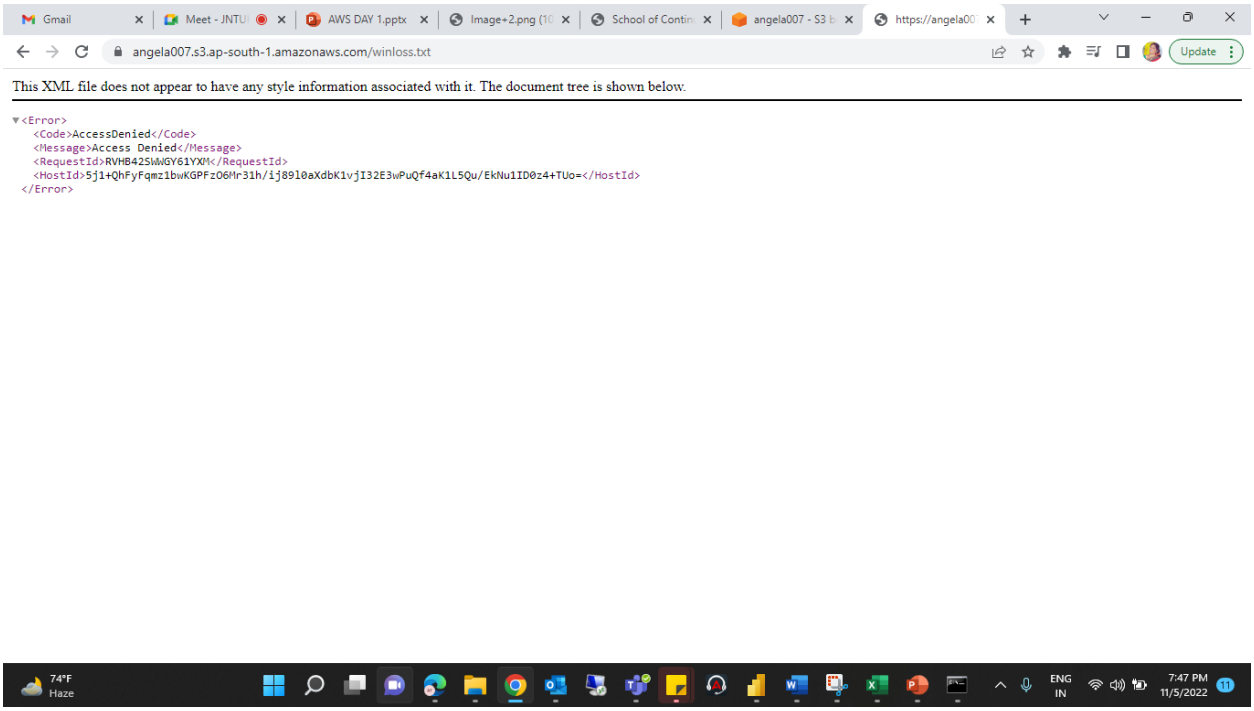
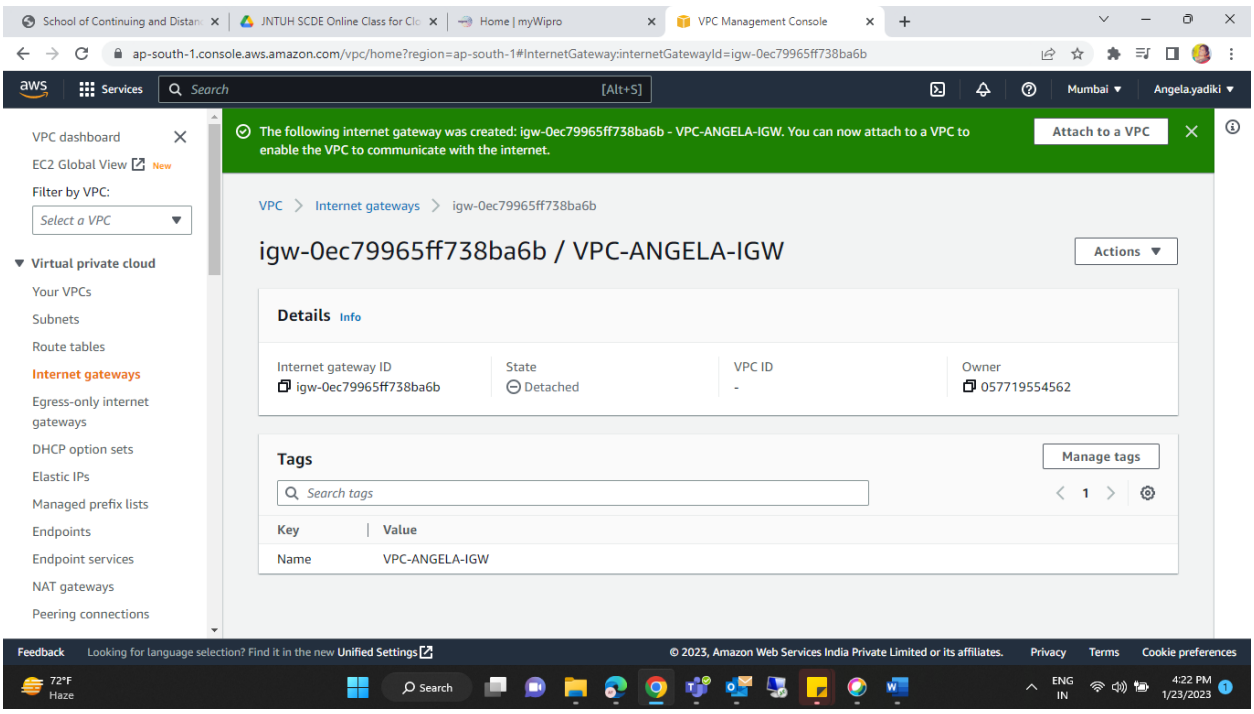
11/5/2022

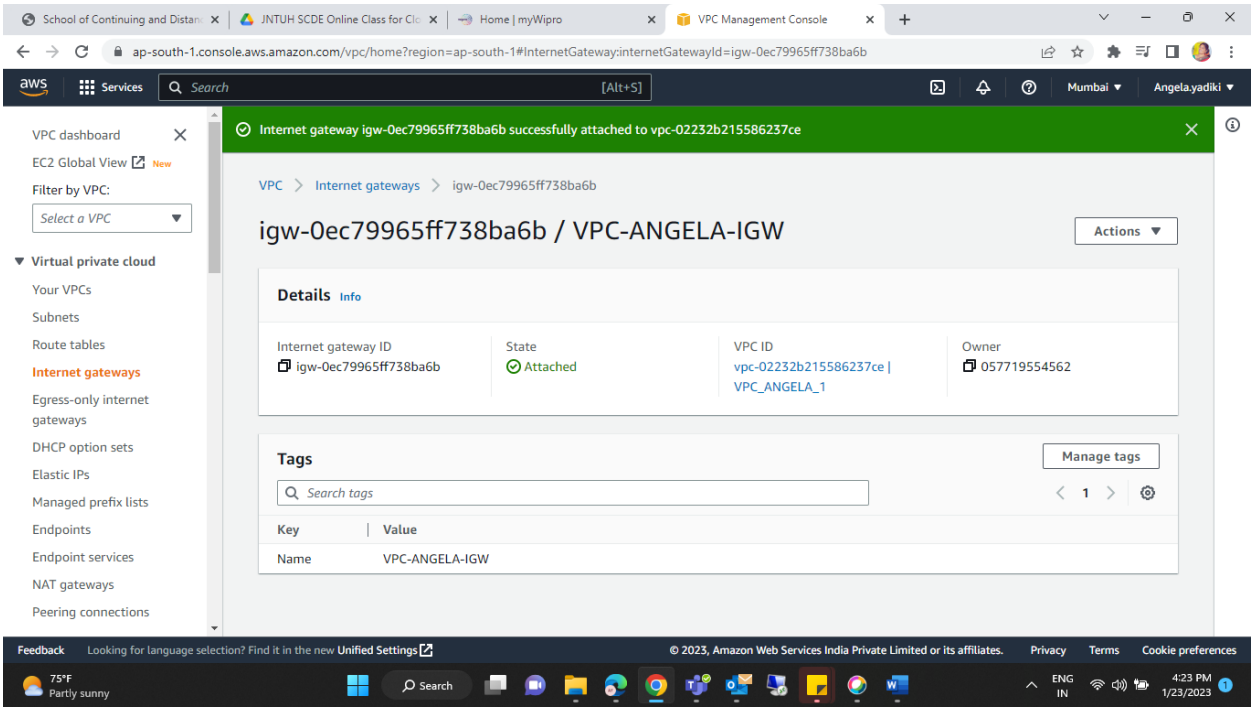


Create VPC:

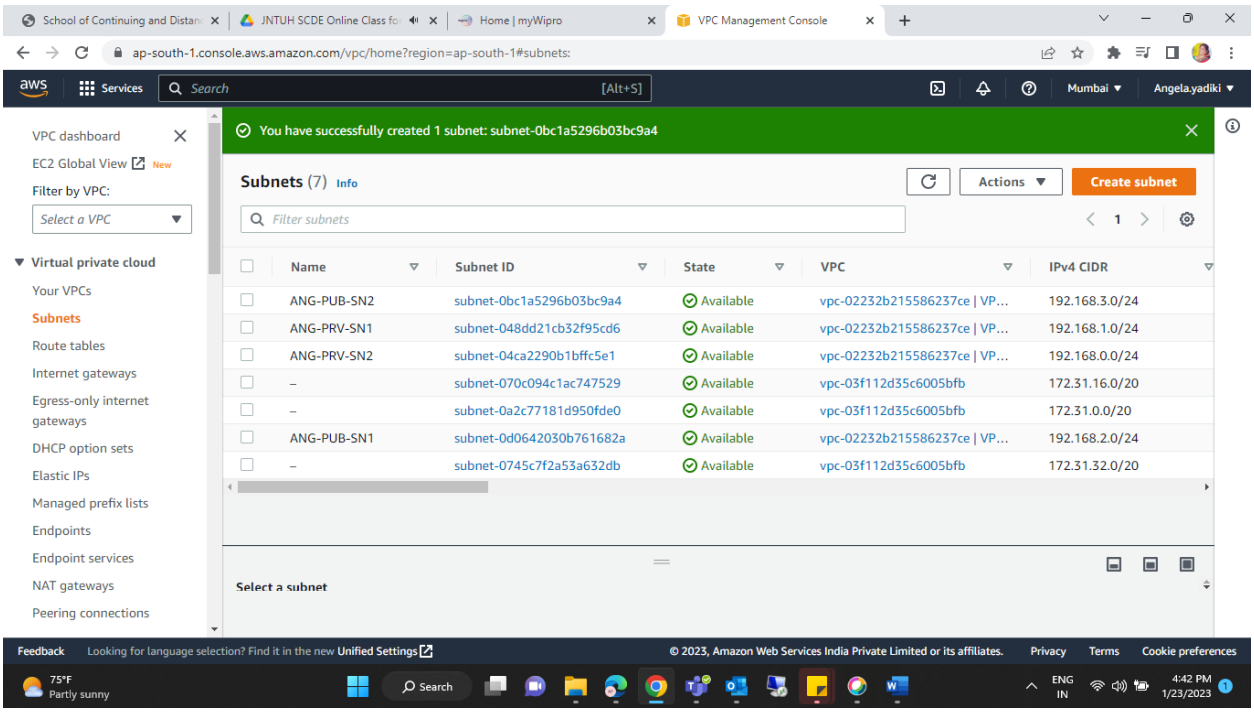
Create Internet gateway:



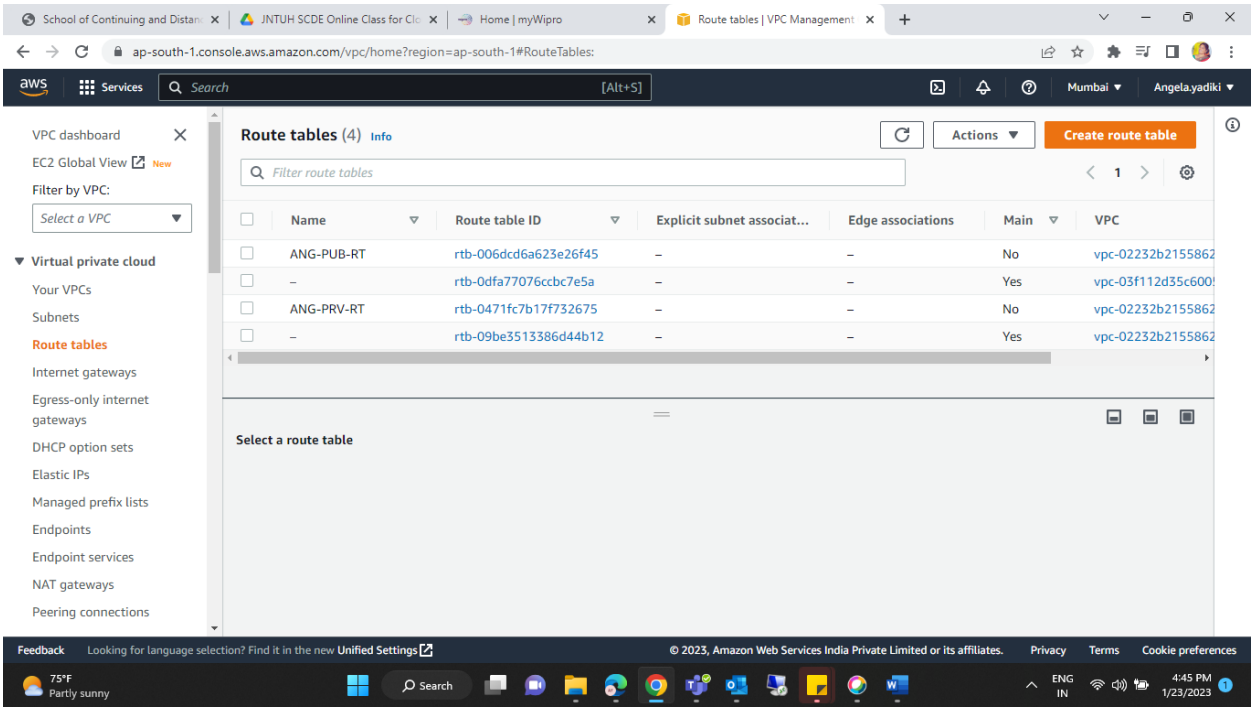
Attach the VPC to Internet gate way:



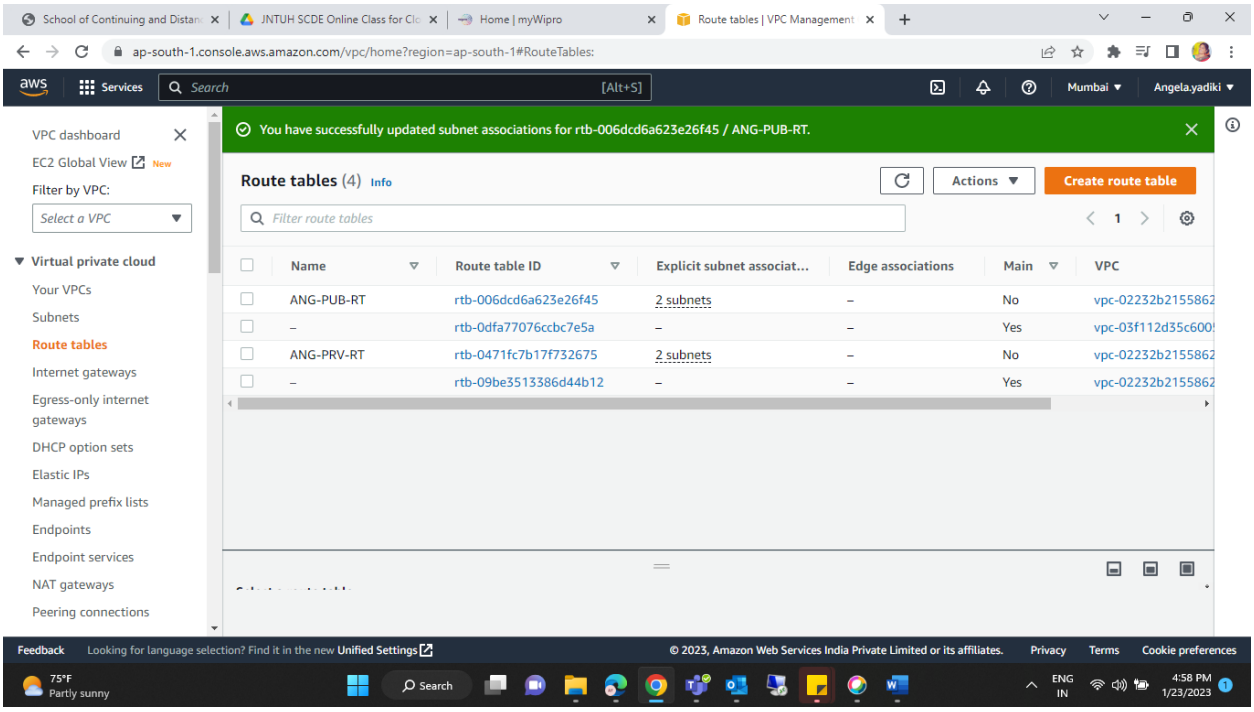
Create 4 subnets. 2 private and 2 public subnets



Create two route tables. 1 public route table and 1 private route table



Assocuiate 2 private subnets to private router and 2 public subnets to public router:



Associate the piblic router to internet gateway: