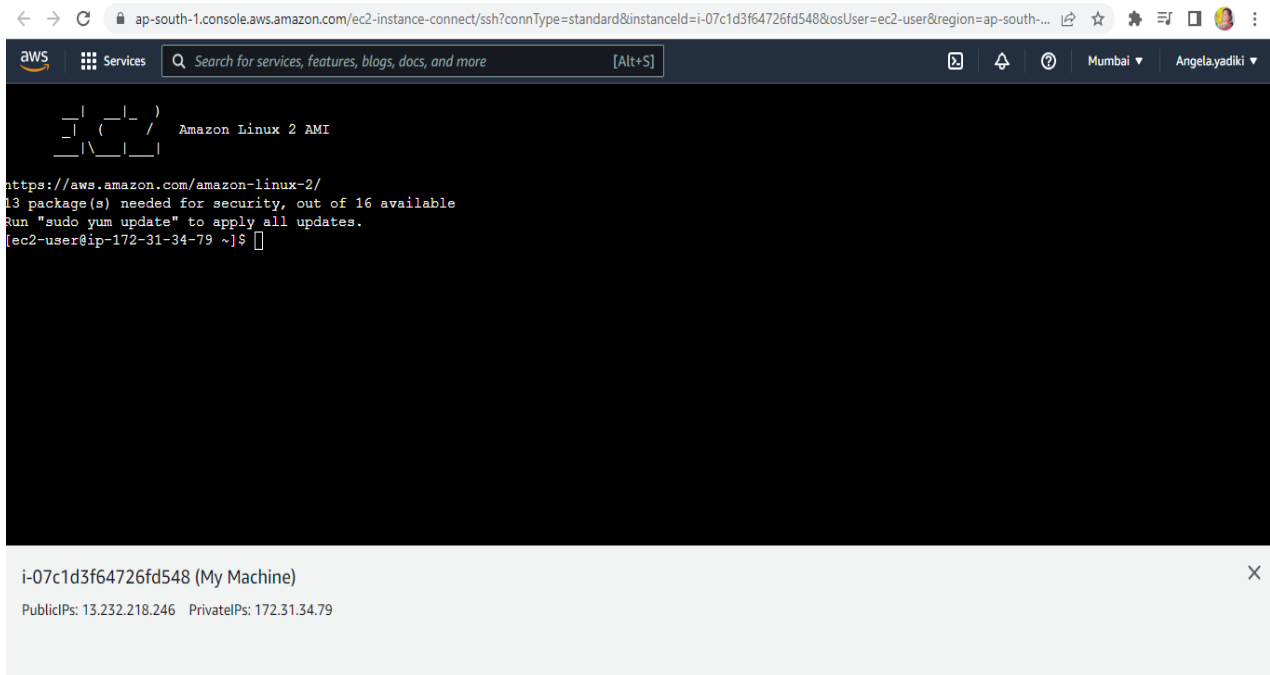


Task 1: Create EC2 Instance:

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



ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-07c1d3f64726fd548&osUser=ec2-user®ion=ap-south-...

Services Search for services, features, blogs, docs, and more [Alt+S]

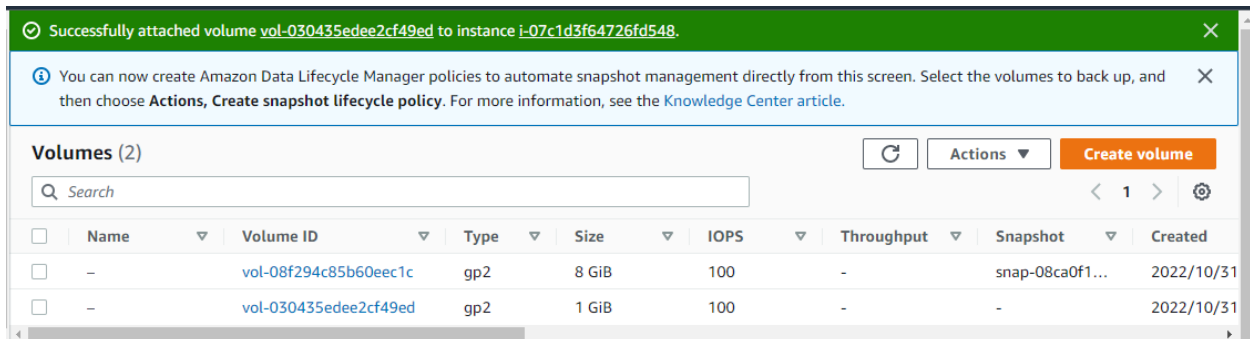
Mumbai Angela.yadiki

```
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
13 package(s) needed for security, out of 16 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-34-79 ~]$
```

i-07c1d3f64726fd548 (My Machine) X

PublicIPs: 13.232.218.246 PrivateIPs: 172.31.34.79

Task 2: Create Elastic Block Store:



Successfully attached volume vol-030435edee2cf49ed to instance i-07c1d3f64726fd548. X

You can now create Amazon Data Lifecycle Manager policies to automate snapshot management directly from this screen. Select the volumes to back up, and then choose **Actions, Create snapshot lifecycle policy**. For more information, see the Knowledge Center article. X

Volumes (2) [Refresh] [Actions] [Create volume]

Search

<input type="checkbox"/>	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-08f294c85b60eec1c	gp2	8 GiB	100	-	snap-08ca0f1...	2022/10/31
<input type="checkbox"/>	-	vol-030435edee2cf49ed	gp2	1 GiB	100	-	-	2022/10/31

```

aws Services Search for services, features, blogs, docs, and more [Alt+S]
Last login: Mon Oct 31 14:39:14 2022 from ec2-13-233-177-4.ap-south-1.compute.amazonaws.com

  _ | _ | _ | _ |
  _ | ( _ | _ |
  _ | \ _ | _ |

Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
13 package(s) needed for security, out of 16 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-34-79 ~]$ lsblk
NAME        MAJ:MIN RM  SIZE RO  TYPE MOUNTPOINT
xvda         202:0    0   8G  0  disk
└─xvda1     202:1    0   8G  0  part /
xvdf         202:80   0   1G  0  disk
[ec2-user@ip-172-31-34-79 ~]$

```

Mounting :

```

aws Services Search for services, features, blogs, docs, and more [Alt+S]
/dev/xvda1    4096 16777182 16773087    8G Linux filesystem
/dev/xvda128 2048    4095    2048    1M BIOS boot

Partition table entries are not in disk order.

Disk /dev/xvdf: 1 GiB, 1073741824 bytes, 2097152 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
[root@ip-172-31-34-81 ec2-user]# mkdir storage
[root@ip-172-31-34-81 ec2-user]# mkfs -t xfs /dev/xvdf
meta-data=/dev/xvdf          isize=512    agcount=4, agsize=65536 blks
=                           sectsz=512   attr=2, projid32bit=1
=                           crc=1      finobt=1, sparse=0
data                =           bsize=4096  blocks=262144, imaxpct=25
=                           sunit=0     swidth=0 blks
naming              =version 2   bsize=4096  ascii-ci=0  ftype=1
log                  =internal log bsize=4096  blocks=2560, version=2
=                           sectsz=512   sunit=0 blks, lazy-count=1
realtime            =none      extsz=4096  blocks=0, rtextents=0
[root@ip-172-31-34-81 ec2-user]# pwd
/home/ec2-user
[root@ip-172-31-34-81 ec2-user]# mount -t xfs /dev/xvdf /home/ec2-user/storage/
[root@ip-172-31-34-81 ec2-user]#

```

```

aws Services Search for services, features, blogs, docs, and more [Alt+S]
I/O size (minimum/optimal): 512 bytes / 512 bytes
[root@ip-172-31-34-81 ec2-user]# mkdir storage
[root@ip-172-31-34-81 ec2-user]# mkfs -t xfs /dev/xvdf
meta-data=/dev/xvdf             isize=512    agcount=4, agsize=65536 blks
=                               sectsz=512   attr=2, projid32bit=1
=                               crc=1      finobt=1, sparse=0
data     =                       bsize=4096  blocks=262144, imaxpct=25
=                               sunit=0    swidth=0 blks
naming   =version 2             bsize=4096  ascii-ci=0 ftype=1
log      =internal log        bsize=4096  blocks=2560, version=2
=                               sectsz=512   sunit=0 blks, lazy-count=1
realtime =none                extsz=4096  blocks=0, rtextents=0
[root@ip-172-31-34-81 ec2-user]# pwd
/home/ec2-user
[root@ip-172-31-34-81 ec2-user]# mount -t xfs /dev/xvdf /home/ec2-user/storage/
[root@ip-172-31-34-81 ec2-user]# df -hT
Filesystem      Type      Size  Used Avail Use% Mounted on
devtmpfs        devtmpfs  474M   0  474M   0% /dev
tmpfs           tmpfs     483M   0  483M   0% /dev/shm
tmpfs           tmpfs     483M  412K  482M   1% /run
tmpfs           tmpfs     483M   0  483M   0% /sys/fs/cgroup
/dev/xvda1      xfs       8.0G  1.6G  6.5G  20% /
tmpfs           tmpfs     97M   0   97M   0% /run/user/1000
/dev/xvdf       xfs       1014M  34M  981M   4% /home/ec2-user/storage
[root@ip-172-31-34-81 ec2-user]#

```

Mounting EC2 instance:

```

← → ↻ ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=ap-south-1&connType=standard&instanceId=i-
aws Services sudo X
[root@ip-172-31-36-175 ec2-user]# fdisk -l
Disk /dev/xvda: 8 GiB, 8589934592 bytes, 16777216 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disklabel type: gpt
Disk identifier: 2330CCC2-270B-42AA-8CB6-AB640F80B1B4

Device      Start      End  Sectors Size Type
/dev/xvda1  4096 16777182 16773087  8G Linux filesystem
/dev/xvda128 2048   4095    2048    1M BIOS boot

Partition table entries are not in disk order.

Disk /dev/xvdf: 1 GiB, 1073741824 bytes, 2097152 sectors
Units: sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
[root@ip-172-31-36-175 ec2-user]# mkdir attach
[root@ip-172-31-36-175 ec2-user]# mount -t xfs /dev/xvdf /home/ec2-user/attach
[root@ip-172-31-36-175 ec2-user]# cd attach
[root@ip-172-31-36-175 attach]# ls
10.txt 1.txt 2.txt 3.txt 4.txt 5.txt 6.txt 7.txt 8.txt 9.txt
[root@ip-172-31-36-175 attach]#

```

Task 3: Snapshot Screenshot creation:

✔ Successfully created snapshot `snap-03f047d8ec46e39d5` from volume `vol-0bd46e8ce5980233a`.
Manage fast snapshot restore

ℹ You can now create Amazon Data Lifecycle Manager policies to automate snapshot management directly from this screen. Select the volumes to back up, and then choose **Actions, Create snapshot lifecycle policy**. For more information, see the [Knowledge Center article](#).

Volumes (3) Refresh Actions Create volume

Search

<input type="checkbox"/>	Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot	Created
<input type="checkbox"/>	-	vol-0f847579a0b05ac02	gp2	8 GiB	100	-	snap-08ca0f1...	2022/10/31
<input type="checkbox"/>	-	vol-00250f9d36dea3302	gp2	8 GiB	100	-	snap-08ca0f1...	2022/10/31
<input type="checkbox"/>	-	vol-0bd46e8ce5980233a	gp2	1 GiB	100	-	-	2022/11/01

Snapshots (1) Refresh Recycle Bin Actions Create snapshot

Owned by me Search

ID	Size	Description	Storage...	Snapshot status
d30800d316ce4	1 GiB	[Copied snap-03f047d8ec46e39d5 from ap-south-1] Storage Snapshot	Standard	✔ Completed

AMI:

Create an EC2 Ubuntu Instance called Angela

Search [Alt+S] N. Virginia Angela.yadiki

Instances (1) Info Refresh Connect Instance state Actions Launch instances

Find instance by attribute or tag (case-sensitive)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	Angela	i-0b6c31a2aa3271886	✔ Running	t2.micro	-	No alarms +	us-east-1c

Use apt update command

```
Inbox (11,813) x AWS DAY 1.p x School of Cor x https://jntuhs x School of Cor x Connect to in x EC2 Instance x myTime | m
ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-00b0b3749a04b82ae&osUser=ubuntu&region=a
aws Services Search [Alt+S]
et:22 http://security.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [2408 B]
et:23 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 Packages [4192 B]
et:24 http://security.ubuntu.com/ubuntu jammy-security/multiverse Translation-en [900 B]
et:25 http://security.ubuntu.com/ubuntu jammy-security/multiverse amd64 c-n-f Metadata [228 B]
et:26 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/restricted amd64 c-n-f Metadata [544 B]
et:27 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [743 kB]
et:28 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe Translation-en [122 kB]
et:29 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [4404 B]
et:30 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 Packages [13.7 kB]
et:31 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse Translation-en [4228 B]
et:32 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates/multiverse amd64 c-n-f Metadata [420 B]
et:33 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 Packages [3008 B]
et:34 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main Translation-en [1432 B]
et:35 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/main amd64 c-n-f Metadata [272 B]
et:36 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/restricted amd64 c-n-f Metadata [116 B]
et:37 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 Packages [6748 B]
et:38 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe Translation-en [9360 B]
et:39 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/universe amd64 c-n-f Metadata [352 B]
et:40 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports/multiverse amd64 c-n-f Metadata [116 B]
etched 24.6 MB in 5s (5252 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
8 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@ip-172-31-42-37:/home/ubuntu#
```

Use command `ufw allow ssh`

```
root@ip-172-31-42-37:/home/ubuntu# ufw allow ssh
Rules updated
Rules updated (v6)
root@ip-172-31-42-37:/home/ubuntu#
```

Enable the ports 80,443 by using below commands :

```
ufw allow 80
ufw allow 443
ufw enable
```

```
8 packages can be upgraded. Run 'apt list --upgradable' to see them.
root@ip-172-31-42-37:/home/ubuntu# ufw allow ssh
Rules updated
Rules updated (v6)
root@ip-172-31-42-37:/home/ubuntu# ufw allow 80
Rules updated
Rules updated (v6)
root@ip-172-31-42-37:/home/ubuntu# ufw allow 443
Rules updated
Rules updated (v6)
root@ip-172-31-42-37:/home/ubuntu# ufw enable
Command may disrupt existing ssh connections. Proceed with operation (y|n)? y
Firewall is active and enabled on system startup
root@ip-172-31-42-37:/home/ubuntu#
```

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

```
aws
Services Search [Alt+S]
Mumbai Angela.yadiki
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36.1-4build1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-42-37:/home/ubuntu#
```

Make sure the service is running.

```
aws
Services Search [Alt+S]
Mumbai Angela.yadiki
o services need to be restarted.
o containers need to be restarted.
o user sessions are running outdated binaries.
o VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-42-37:/home/ubuntu# systemctl status apache2
apache2.service - The Apache HTTP Server
  Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
  Active: active (running) since Mon 2022-11-07 07:19:56 UTC; 2min 10s ago
    Docs: https://httpd.apache.org/docs/2.4/
  Main PID: 2759 (apache2)
    Tasks: 55 (limit: 1143)
  Memory: 4.9M
    CPU: 34ms
  CGroup: /system.slice/apache2.service
          └─2759 /usr/sbin/apache2 -k start
            └─2761 /usr/sbin/apache2 -k start
              └─2762 /usr/sbin/apache2 -k start

Nov 07 07:19:56 ip-172-31-42-37 systemd[1]: Starting The Apache HTTP Server...
Nov 07 07:19:56 ip-172-31-42-37 systemd[1]: Started The Apache HTTP Server.
root@ip-172-31-42-37:/home/ubuntu#
```

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

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

Apache2 Default Page

Ubuntu

It works!

This is the default welcome page used to test the correct operation of the Apache2 server after installation on Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache packaging is derived. If you can read this page, it means that the Apache HTTP server installed at this site is working properly. You should **replace this file** (located at `/var/www/html/index.html`) before continuing to operate your HTTP server.

If you are a normal user of this web site and don't know what this page is about, this probably means that the site is currently unavailable due to maintenance. If the problem persists, please contact the site's administrator.

Configuration Overview

Ubuntu's Apache2 default configuration is different from the upstream default configuration, and split into several files optimized for interaction with Ubuntu tools. The configuration system is **fully documented in `/usr/share/doc/apache2/README.Debian.gz`**. Refer to this for the full documentation. Documentation for the web server itself can be found by accessing the **manual** if the `apache2-doc` package was installed on this server.

The configuration layout for an Apache2 web server installation on Ubuntu systems is as follows:

```
/etc/apache2/  
|-- apache2.conf  
|   |-- ports.conf  
|-- mods-enabled  
|   |-- *.Load  
|   |-- *.conf  
|-- conf-enabled
```

Install php 8.1 and restart the php services

```
← → ↻ ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-00b0b3
aws Services Search [Alt+S]
Creating config file /etc/php/8.1/cli/php.ini with new version
Setting up libapache2-mod-php8.1 (8.1.2-1ubuntu2.6) ...

Creating config file /etc/php/8.1/apache2/php.ini with new version
Module mpm_event disabled.
Enabling module mpm_prefork.
apache2_switch_mpm Switch to prefork
apache2_invoke: Enable module php8.1
Setting up php8.1 (8.1.2-1ubuntu2.6) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for php8.1-cli (8.1.2-1ubuntu2.6) ...
Processing triggers for libapache2-mod-php8.1 (8.1.2-1ubuntu2.6) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-42-37:/var/www/html#
```

Create php file

```
← → ↻ ap-south-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-00b0b3749a04b82ae&osUser=ubuntu
aws Services Search [Alt+S]
No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
root@ip-172-31-42-37:/var/www/html# cd \
- cd/
bash: cdcd/: No such file or directory
root@ip-172-31-42-37:/var/www/html# cd /
root@ip-172-31-42-37:/# systemctl restart apache2
root@ip-172-31-42-37:/# php --version
HP 8.1.2-1ubuntu2.6 (cli) (built: Sep 15 2022 11:30:49) (NTS)
Copyright (c) The PHP Group
Zend Engine v4.1.2, Copyright (c) Zend Technologies
with Zend OPcache v8.1.2-1ubuntu2.6, Copyright (c), by Zend Technologies
root@ip-172-31-42-37:/# echo '<?php phpinfo(); ?>' | sudo tee -a /var/www/html/phpinfo.php > /dev/null
root@ip-172-31-42-37:/# cd var/www/html
root@ip-172-31-42-37:/var/www/html# ls -l
total 16
-rw-r--r-- 1 root root 10671 Nov  7 07:19 index.html
-rw-r--r-- 1 root root  20 Nov  7 09:48 phpinfo.php
root@ip-172-31-42-37:/var/www/html#
```

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

Not secure | 13.127.34.29/phpinfo.php

PHP Version 8.1.2-1ubuntu2.6

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-sysmsg.ini, /etc/php/8.1/apache2/conf.d/20-syssem.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:

The screenshot shows the Amazon Management Console interface for Amazon Machine Images (AMIs). At the top, there are navigation buttons like 'Recycle Bin', 'EC2 Image Builder', and 'Actions'. Below that is a search bar and a table of AMIs. The table has columns for Name, AMI ID, AMI name, Source, Owner, and Status. One AMI is listed with the name 'ANGELAAPACHEPHP-...' and status 'Available'.

Name	AMI ID	AMI name	Source	Owner	Status
-	ami-0f74e04316c52c...	ANGELAAPACHEPHP-...	057719554562/AN...	057719554562	Available

Launch AMI Instance

The screenshot shows the Amazon Management Console interface for EC2 Instances. At the top, there are buttons for 'Connect', 'Instance state', 'Actions', and 'Launch instances'. Below that is a search bar and a table of instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Actions. Four instances are listed: 'machine A' (Stopped), 'Machine B' (Stopped), 'Angela' (Running), and 'AngelaAMI Instance' (Running).

Name	Instance ID	Instance state	Instance type	Status check	Alarm status
machine A	i-0c03968d88b31005c	Stopped	t2.micro	-	No alarms
Machine B	i-0dc84acaf9b4d8b30	Stopped	t2.micro	-	No alarms
Angela	i-00b0b3749a04b82ae	Running	t2.micro	2/2 checks passed	No alarms
AngelaAMI Instance	i-0548243a2cf2a136f	Running	t2.micro	Initializing	No alarms

```
of these updates are standard security updates.
see these additional updates run: apt list --upgradable

st login: Mon Nov 7 10:32:50 2022 from 13.233.177.5
untu@ip-172-31-39-27:~$ systemctl status apache2
apache2.service - The Apache HTTP Server
Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
Active: active (running) since Mon 2022-11-07 10:28:11 UTC; 6min ago
Docs: https://httpd.apache.org/docs/2.4/
Main PID: 682 (apache2)
Tasks: 6 (limit: 1143)
Memory: 21.4M
CPU: 85ms
CGroup: /system.slice/apache2.service
├─682 /usr/sbin/apache2 -k start
├─771 /usr/sbin/apache2 -k start
├─772 /usr/sbin/apache2 -k start
├─773 /usr/sbin/apache2 -k start
├─782 /usr/sbin/apache2 -k start
└─783 /usr/sbin/apache2 -k start

y 07 10:28:10 ip-172-31-39-27 systemd[1]: Starting The Apache HTTP Server...
y 07 10:28:11 ip-172-31-39-27 systemd[1]: Started The Apache HTTP Server.
untu@ip-172-31-39-27:~$
```

-0548243a2cf2a136f (AngelaAMI Instance)

<http://3.109.4.225/phpinfo.php>

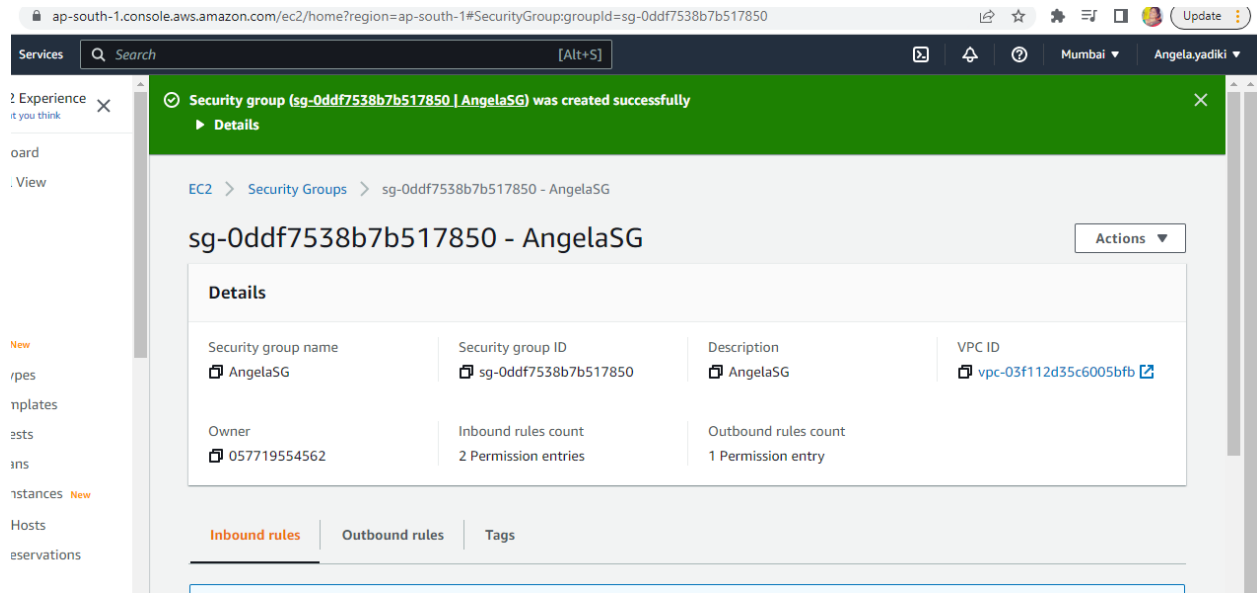
← → ↻ ⚠ Not secure | 3.109.4.225/phpinfo.php

PHP Version 8.1.2-1ubuntu2.6

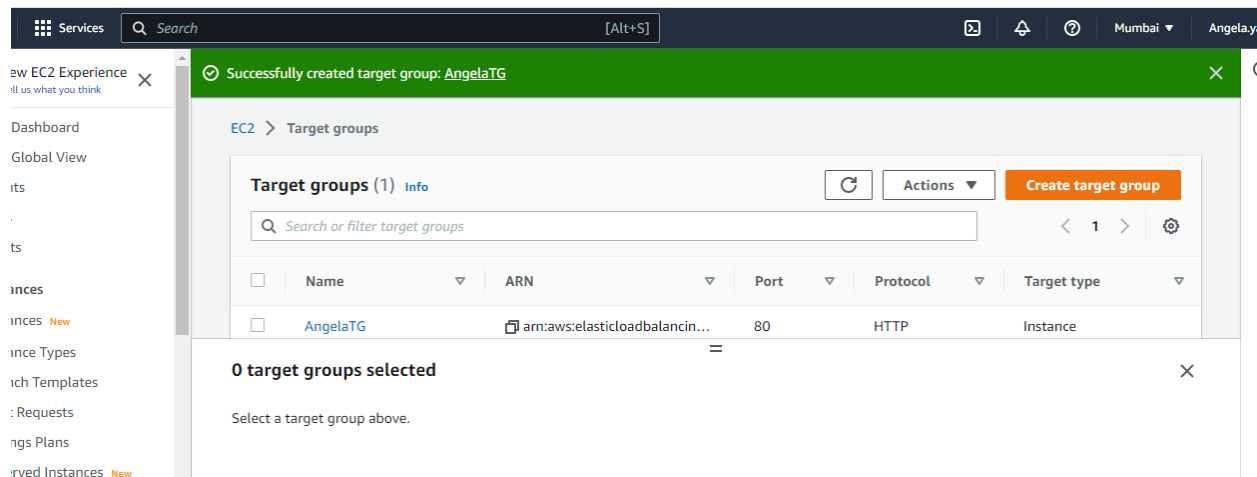
System	Linux ip-172-31-39-27 5.15.0-1019-aws #23-Ubuntu SMP Wed Aug 17 18:33:13 UTC 2022 x86_64
Build Date	Sep 15 2022 11:30:49
Build System	Linux
Server API	Apache 2.0 Handler
Virtual Directory Support	disabled
Configuration File (php.ini) Path	/etc/php/8.1/apache2
Loaded Configuration File	/etc/php/8.1/apache2/php.ini
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
Zend Multibyte Support	disabled

Load Balancer:

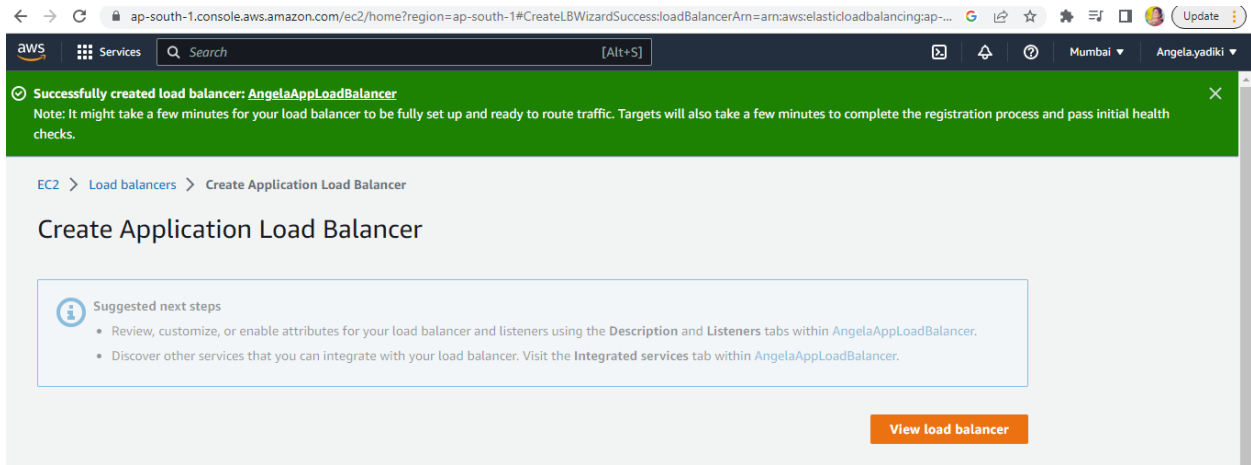
While creating a load balancer, Create a Security group to avoid error with inbound security rules



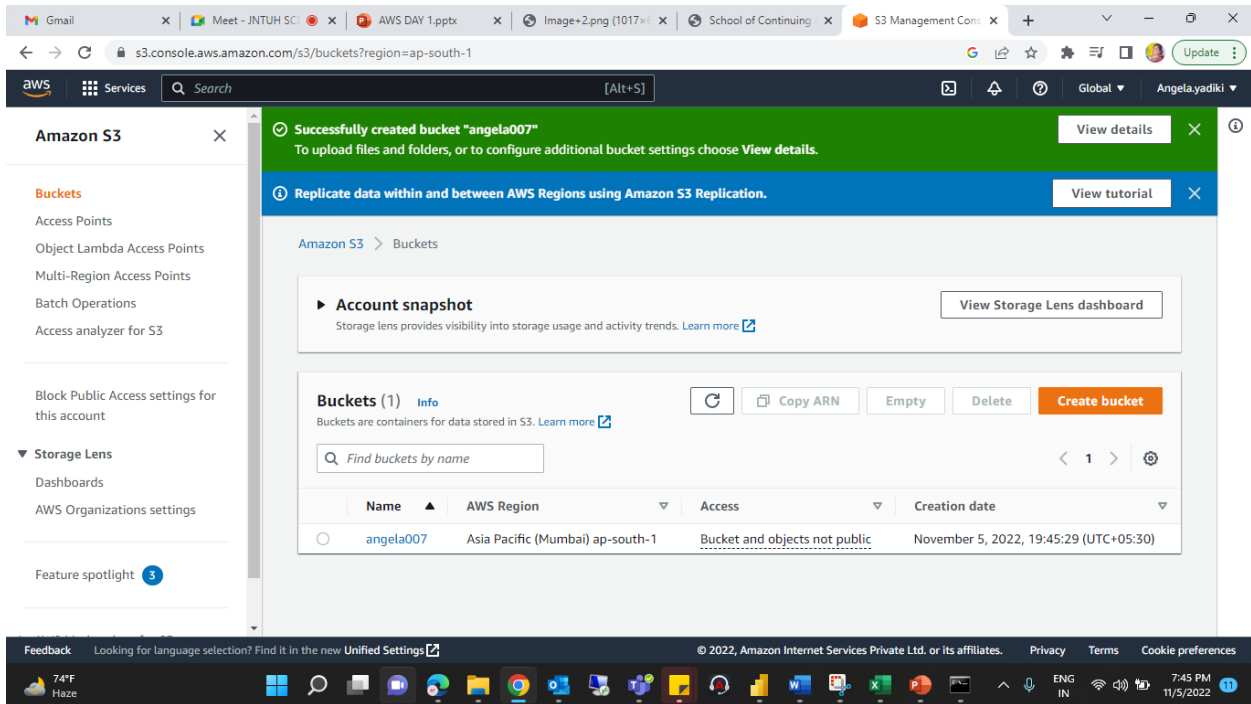
Create Target Group:

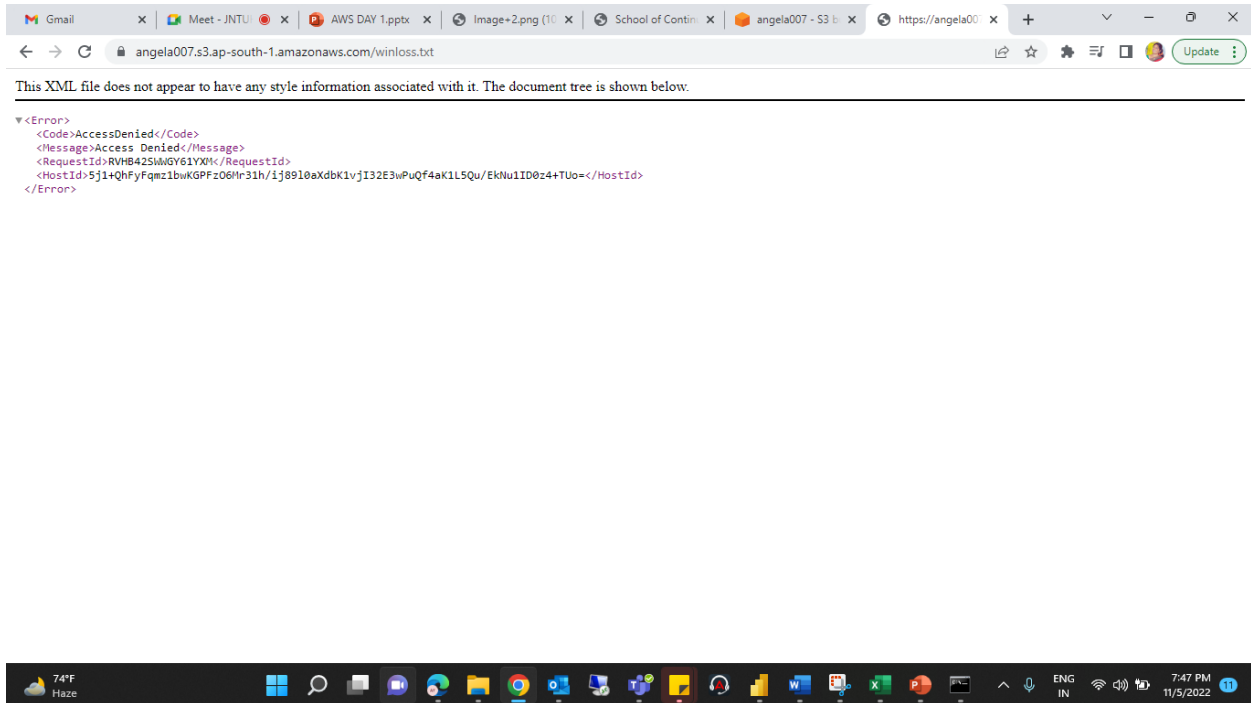


Create Load balancer:



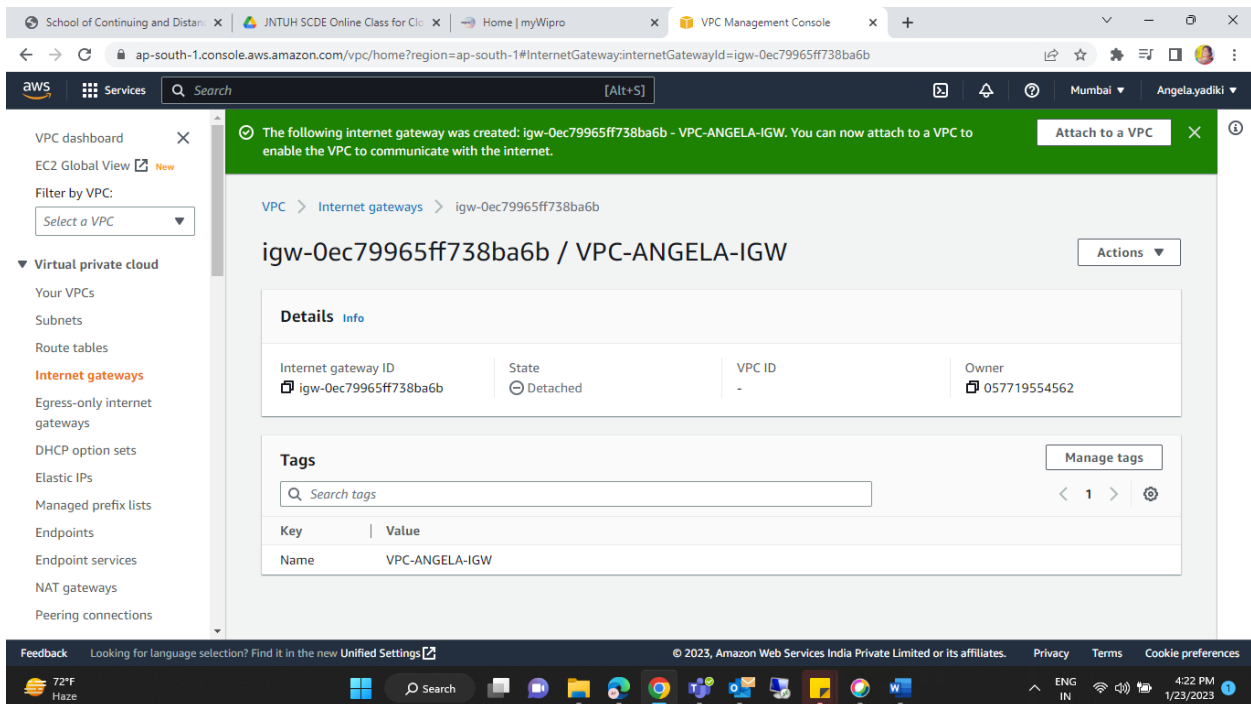
S3:



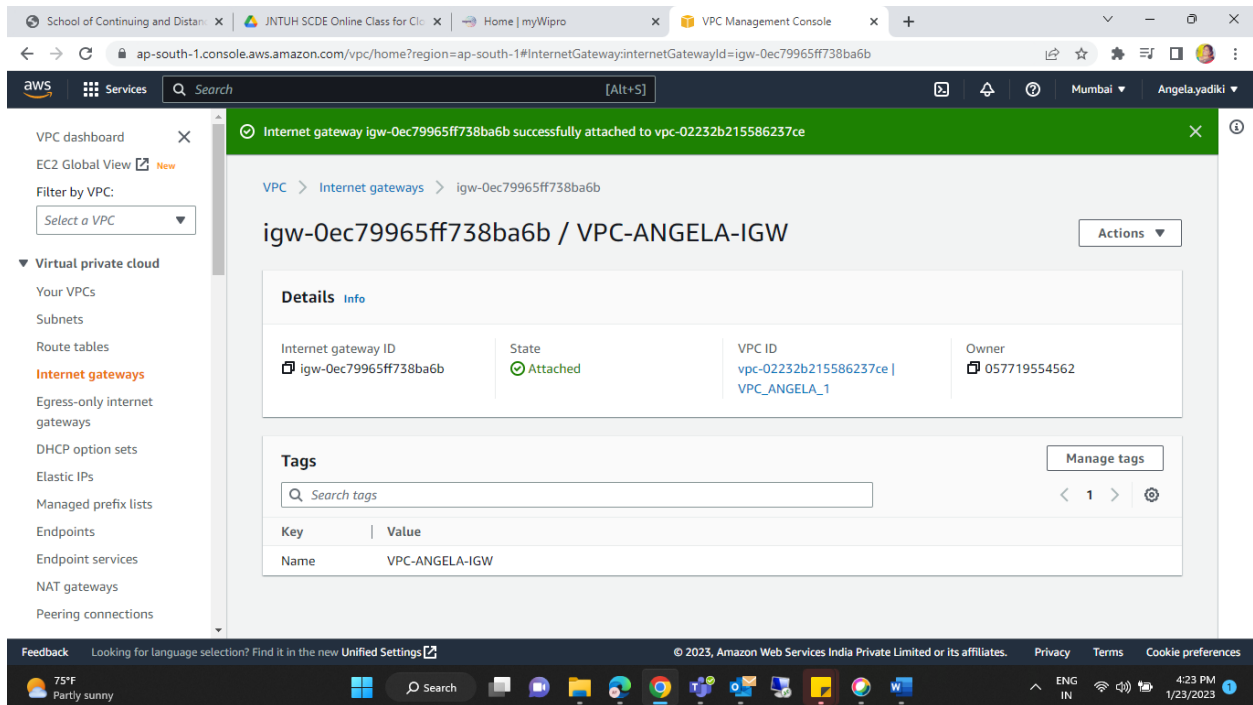


Create VPC:

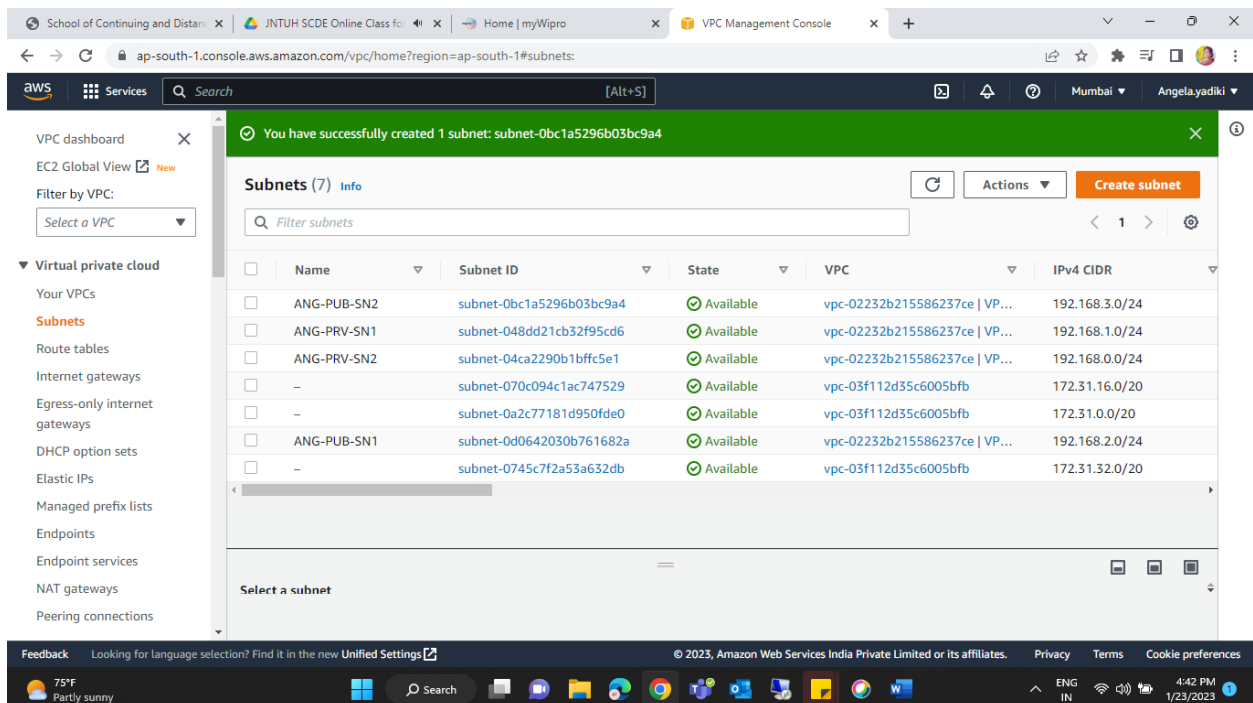
Create Internet gateway:



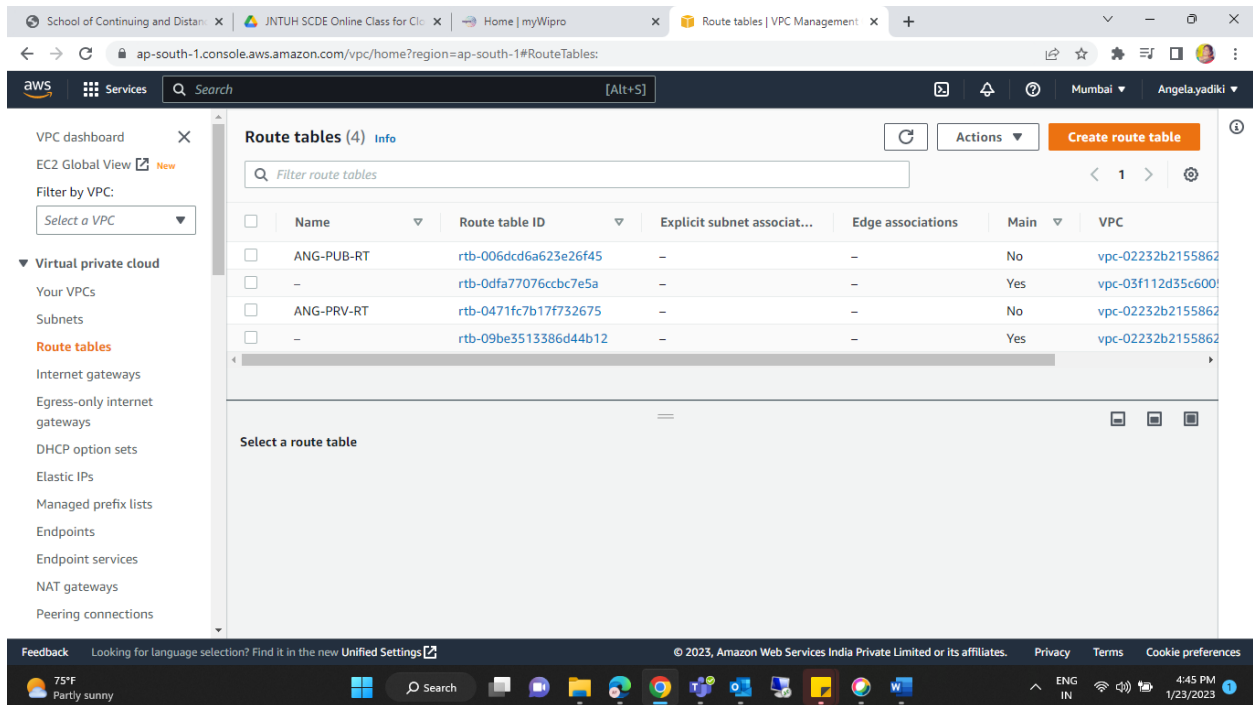
Attach the VPC to Internet gate way:



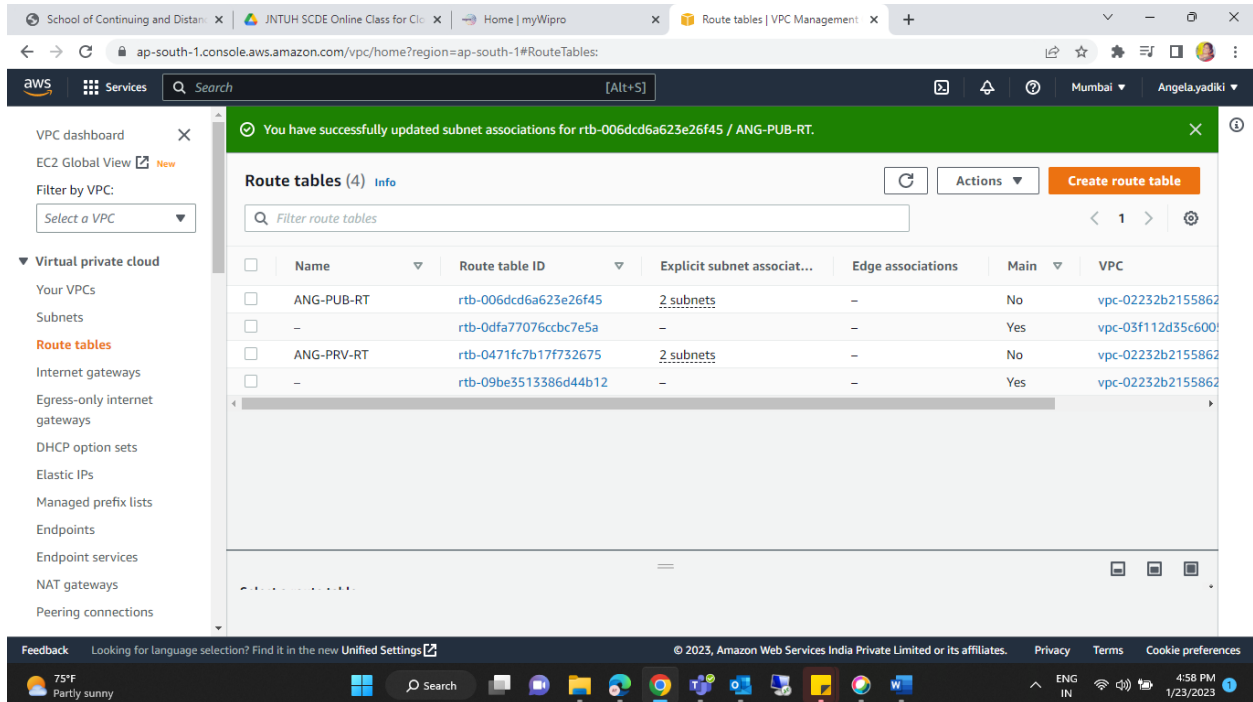
Create 4 subnets. 2 private and 2 public subnets



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



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



Associate the public router to internet gateway:

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ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTableDetails:RouteTableId=rtb-006dcd6a623e26f45

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Updated routes for rtb-006dcd6a623e26f45 / ANG-PUB-RT successfully

Details

VPC: vpc-02232b215586237ce | VPC_ANGELA_1
Owner ID: 057719554562

Routes Subnet associations Edge associations Route propagation Tags

Routes (2) Edit routes

Filter routes Both < 1 >

Destination	Target	Status	Propagated
0.0.0.0/0	igw-0ec79965ff738ba6b	Active	No
192.168.0.0/16	local	Active	No

Feedback Looking for language selection? Find it in the new Unified Settings

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