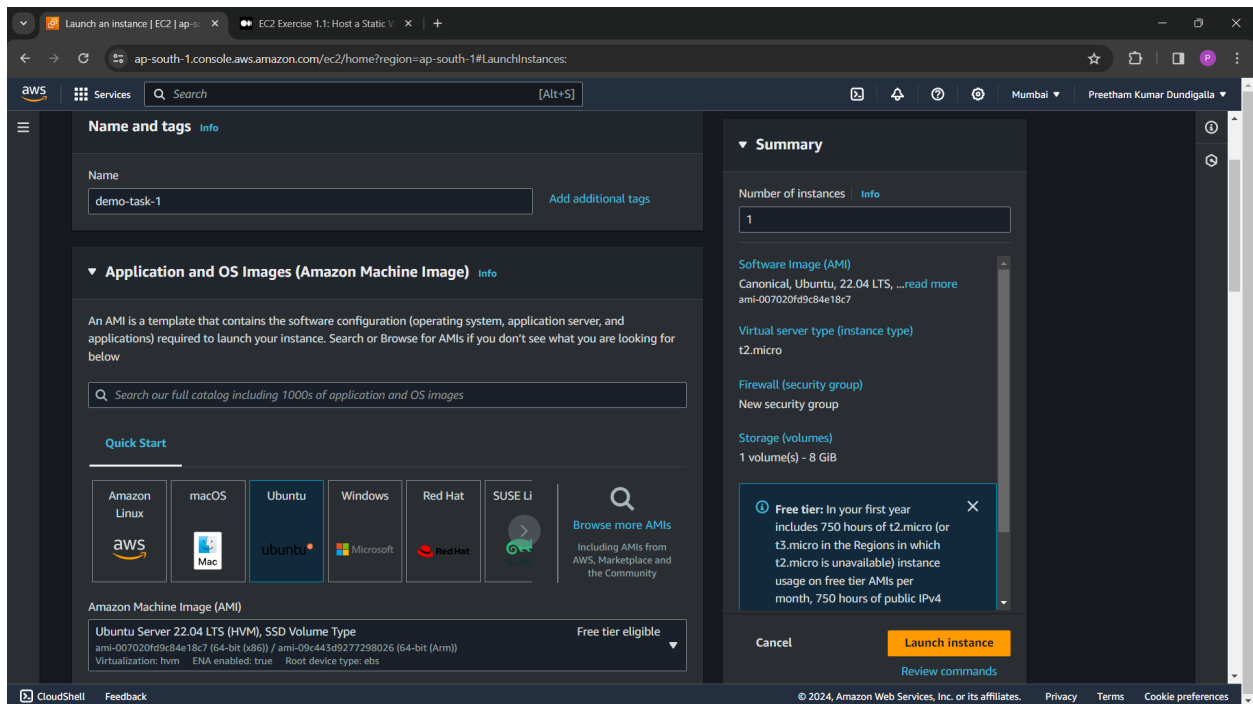


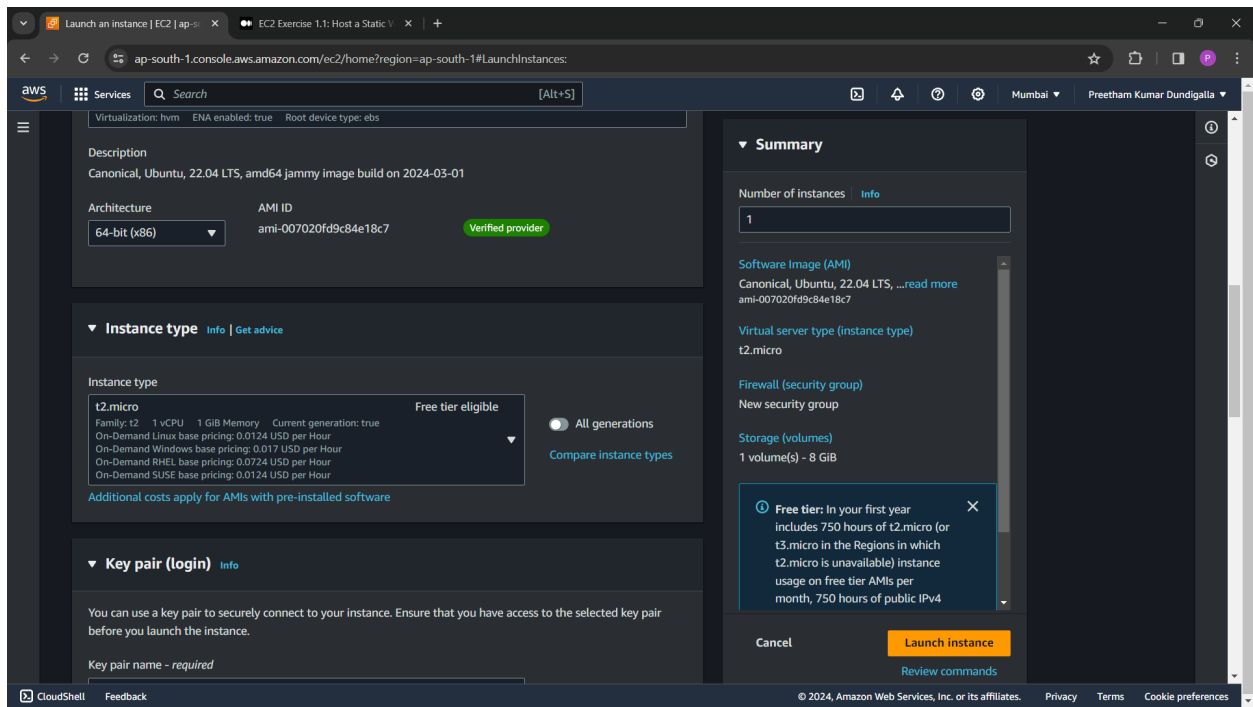
# Task-1

## Hosting MySQL on AWS EC2 With Ubuntu AMI

### Launch the instanced



### Select the requirments



Key pair name - required

file-1

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Canonical, Ubuntu, 22.04 LTS, ...read more  
ami-007020fd9c84e18c7

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 AMIs per month, 750 hours of public IPv4

×

Write the script to deplpoy MySQL

```

ubuntu@ip-172-31-34-65:~$ sudo apt update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:4 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
0% [4 Packages 410 kB/14.1 MB 3%] [Connecting to security.ubuntu.com (91.189.9
::security.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:6 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-security amd64 Packages [17 kB]
0% [4 Packages store 0 B] [6 Translation-en 230 kB/5652 kB 4%] [5 InRelease 14
::ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 c-n-f Metadata [286 kB]
Get:8 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy/universe amd64 Packages [14.1 MB]
0% [4 Packages 410 kB/14.1 MB 3%]

```

```

mysql> sudo mysql -u root -p
-> CREATE DATABASE db1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corresponds to your MySQL server version for the right syntax to use near 'sudo mysql
-u root -p
CREATE DATABASE db1' at line 1
mysql> CREATE USER 'kiran'@'Preetham';
ERROR 1819 (HY000): Your password does not satisfy the current policy requirements
mysql> CREATE USER 'kiran'@'Preetham' IDENTIFIED BY 'Laddu_103';
Query OK, 0 rows affected (0.02 sec)

mysql> GRANT ALL PRIVILEGES ON db1.* TO 'kiran'@'Preetham';
Query OK, 0 rows affected (0.01 sec)

mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

mysql>

```

i-08c758fa434e59d90 (task-1)

PublicIPs: 13.232.236.247 PrivateIPs: 172.31.34.65

## WebPage in the same EC2 Instance

```

ubuntu@ip-172-31-34-65:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following additional packages will be installed:
  apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
Suggested packages:
  apache2-doc apache2-suexec-pristine | apache2-suexec-custom www-browser
The following NEW packages will be installed:
  apache2 apache2-bin apache2-data apache2-utils bzip2 libapr1 libaprutil1 libaprutil1-dbd-sqlite3 libaprutil1-ldap liblua5.3-0 mailcap mime-support ssl-cert
0 upgraded, 13 newly installed, 0 to remove and 41 not upgraded.
Need to get 2138 kB of archives.
After this operation, 8521 kB of additional disk space will be used.

```

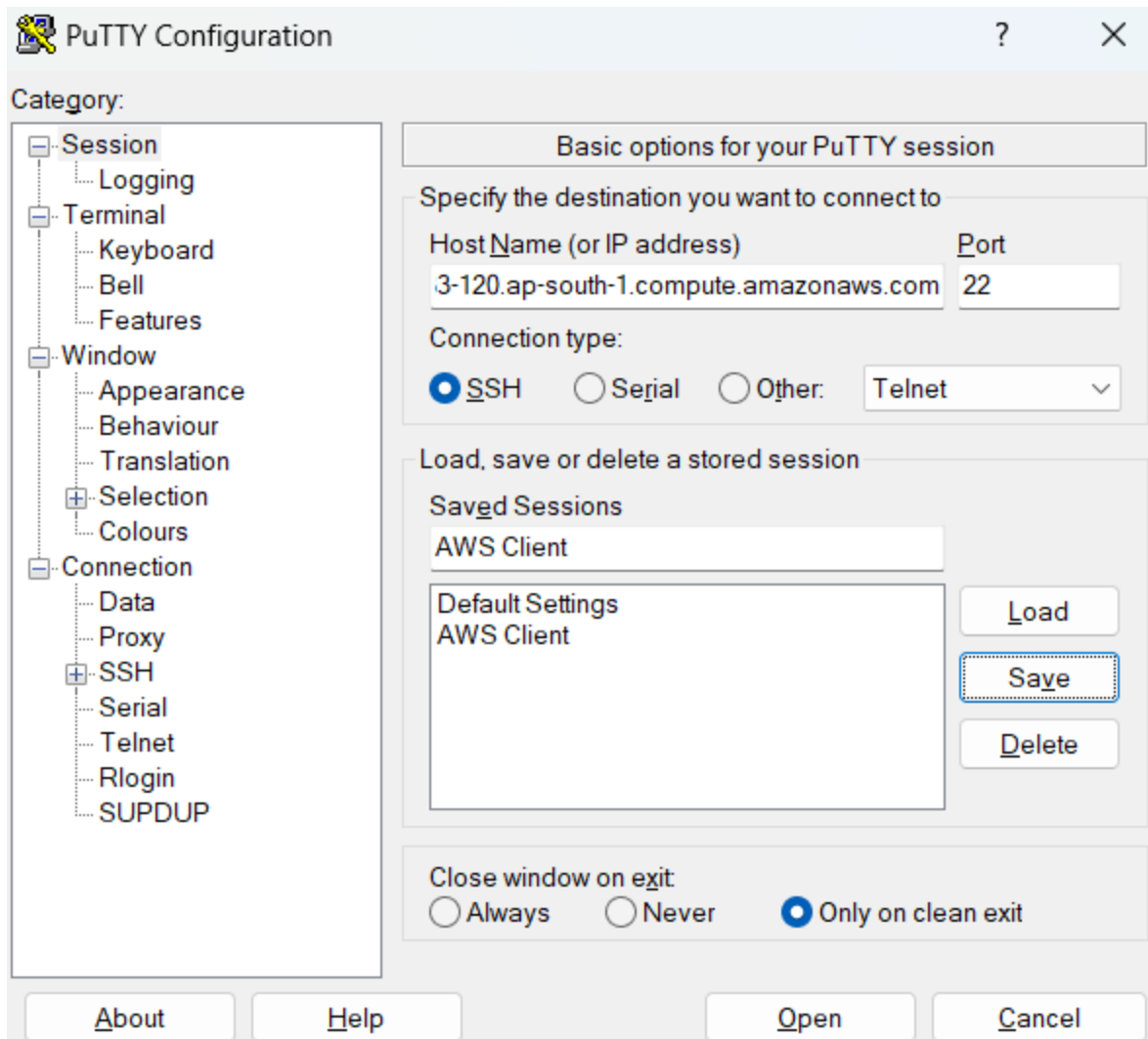
## Changed Inbound security group for easy access to the internet

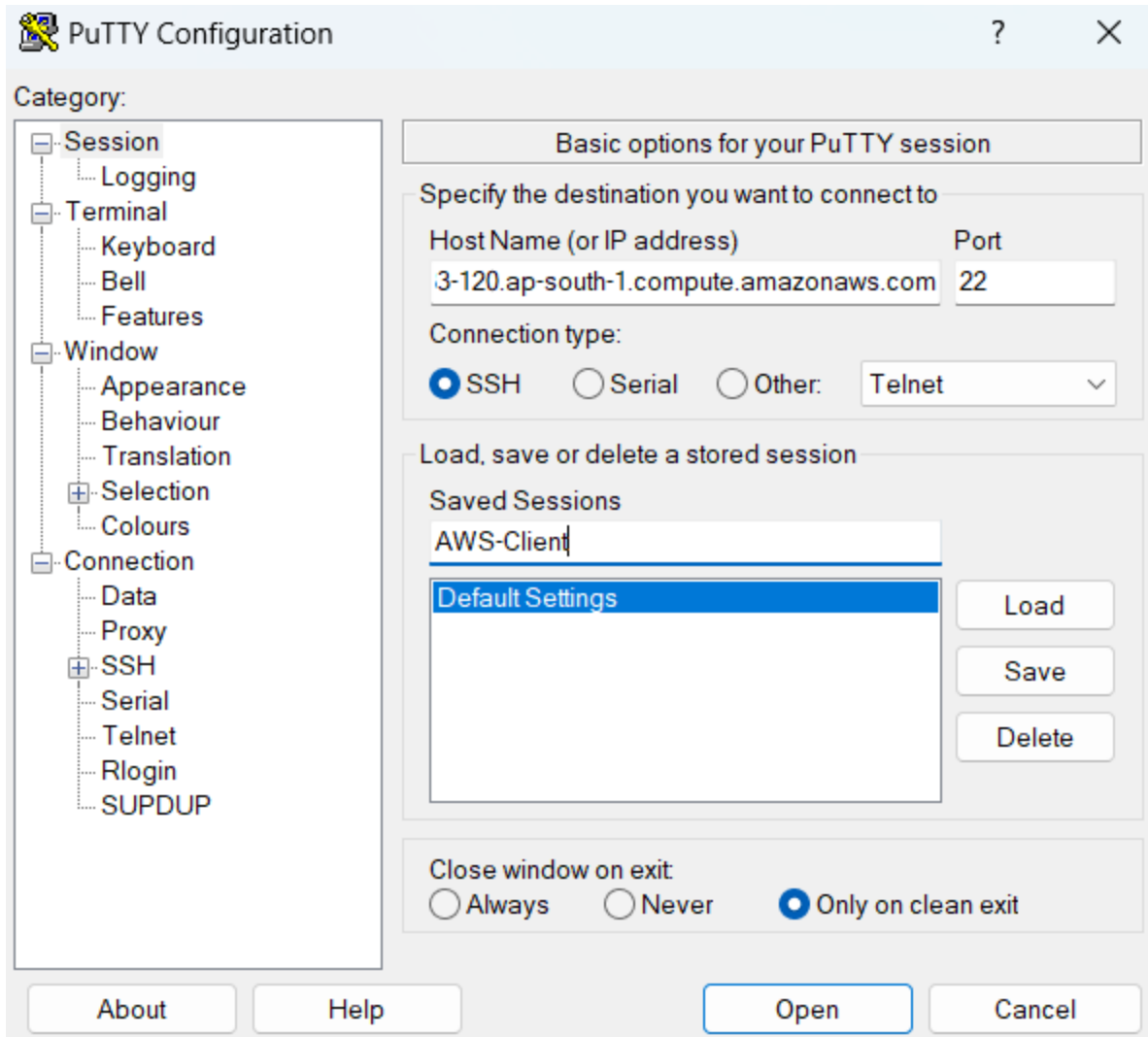
✓ Inbound security group rules successfully modified on security group (sg-090fd73832062fb52 | [launch-wizard-14](#))

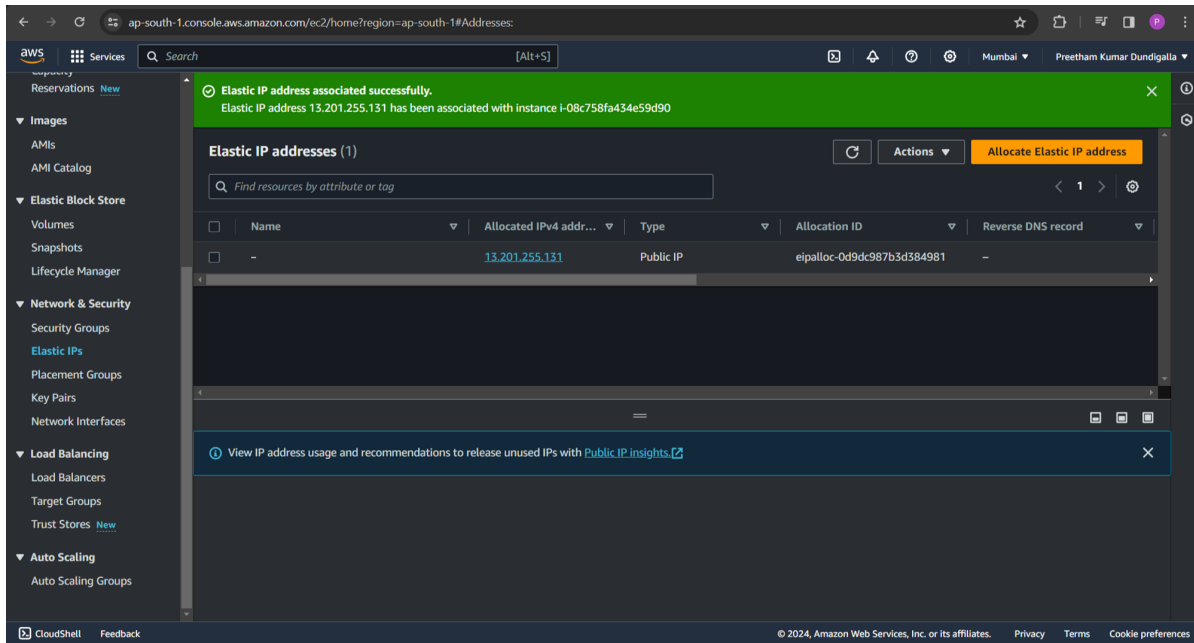
► Details

✓ Inbound security group rules successfully modified on security group (sg-090fd73832062fb52 | [launch-wizard-14](#))

► Details







```
Putty (inactive)
Using username "ubuntu".
Authenticating with public key "imported-openssh-key" from agent
Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-1014-aws x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/pro

System information as of Mon Apr  8 03:44:18 UTC 2024

System load:  0.0          Processes:      106
Usage of /:   30.1% of 7.57GB   Users logged in:  1
Memory usage: 58%          IPv4 address for eth0: 172.31.34.65
Swap usage:   0%

 * Ubuntu Pro delivers the most comprehensive open source security and
   compliance features.
   https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

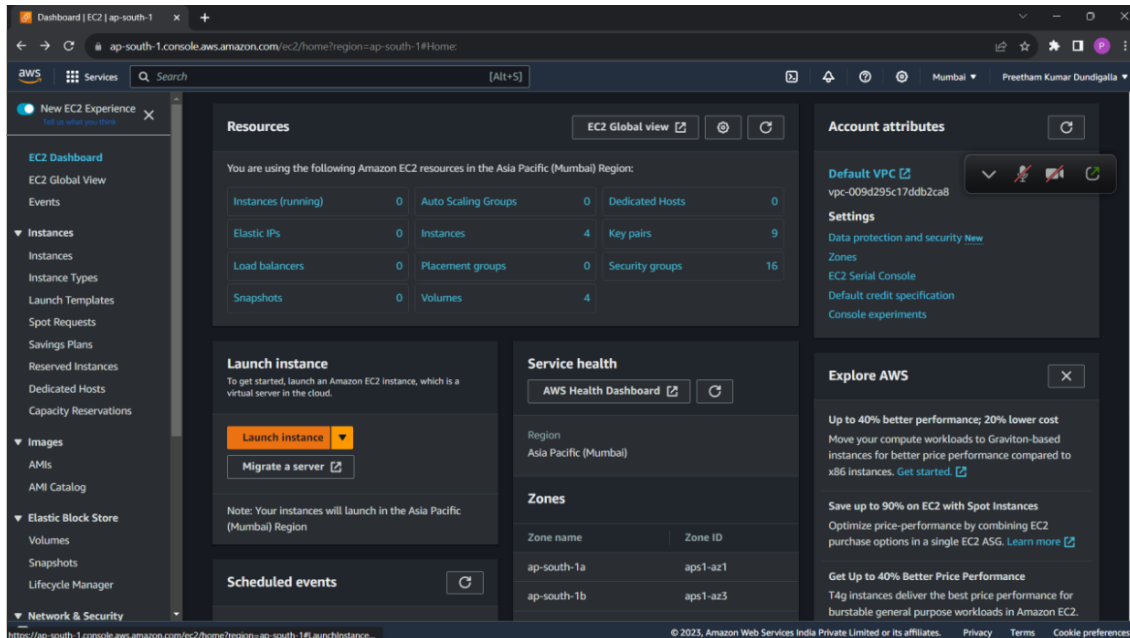
46 updates can be applied immediately.
30 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

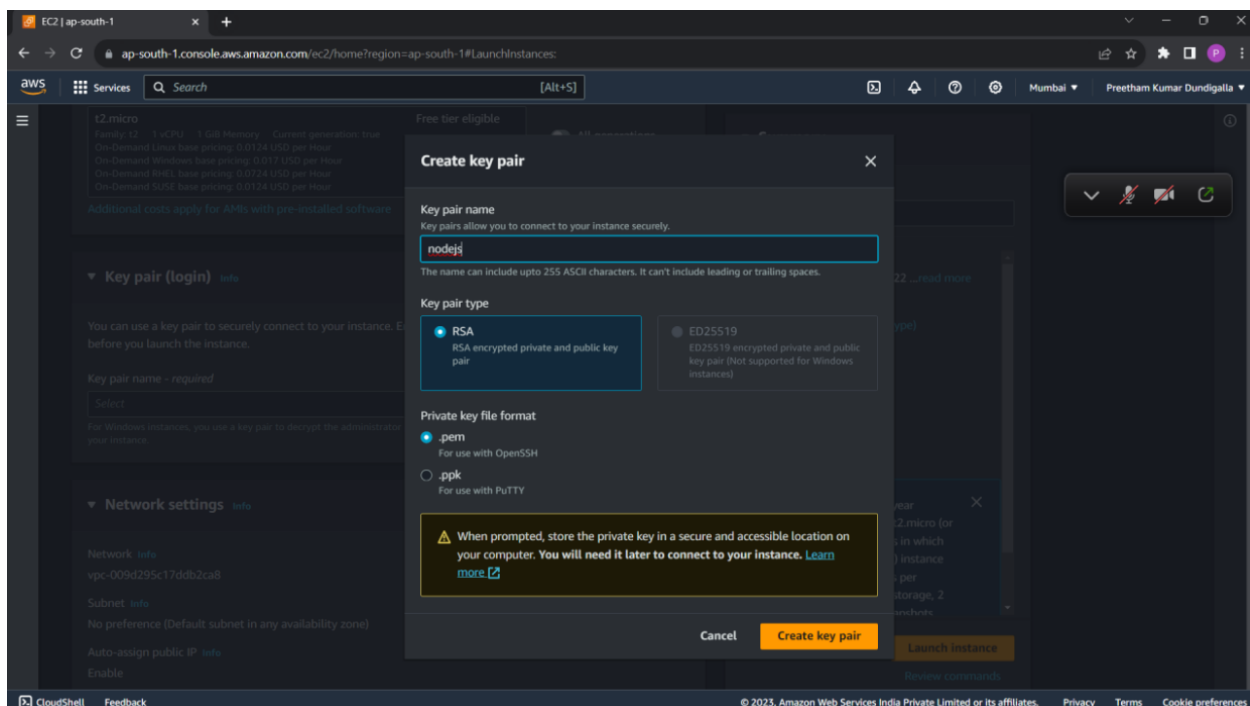
Last login: Mon Apr  8 03:26:02 2024 from 117.255.169.202
ubuntu@ip-172-31-34-65:~$ sudo apt update
Hit:1 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy InRelease
Hit:2 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-updates InRelease
Hit:3 http://ap-south-1.ec2.archive.ubuntu.com/ubuntu jammy-backports InRelease
Hit:4 http://security.ubuntu.com/ubuntu jammy-security InRelease
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
41 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ip-172-31-34-65:~$ sudo apt install nginx
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nginx is already the newest version (1:18.0-6ubuntu14.4).
0 upgraded, 0 newly installed, 0 to remove and 41 not upgraded.
ubuntu@ip-172-31-34-65:~$ scp -i "C:\Users\dundi\Downloads\task-11.ppk" "C:\Users\dundi\OneDr
ive\Documents\Bjango\index.html" ubuntu@ec2:
```

# Deploy your web application in EC2

Launch an ec2 instance

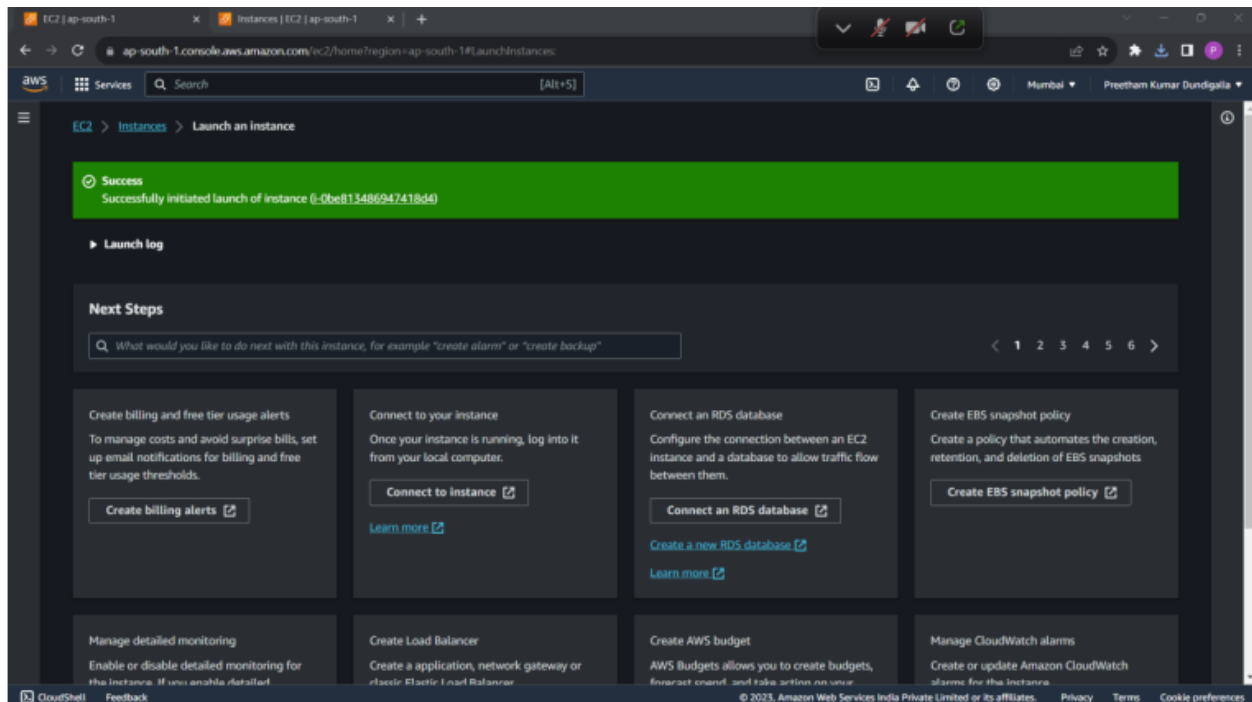


After providing name for your instance, create a key pair and download it(It will be used during creating password for virtual desktop)

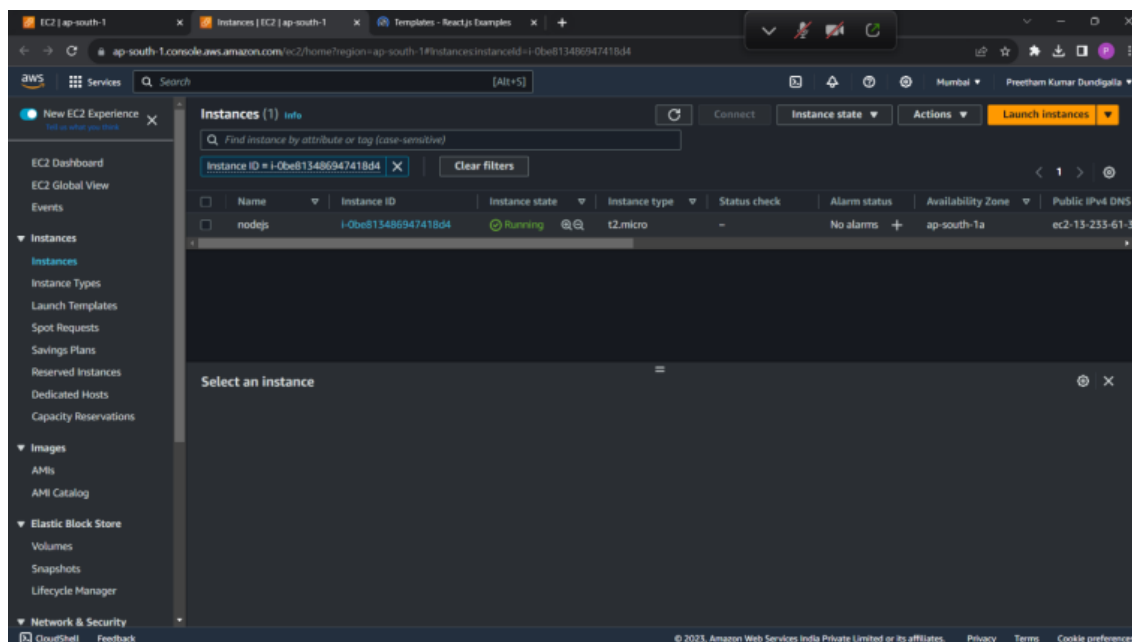




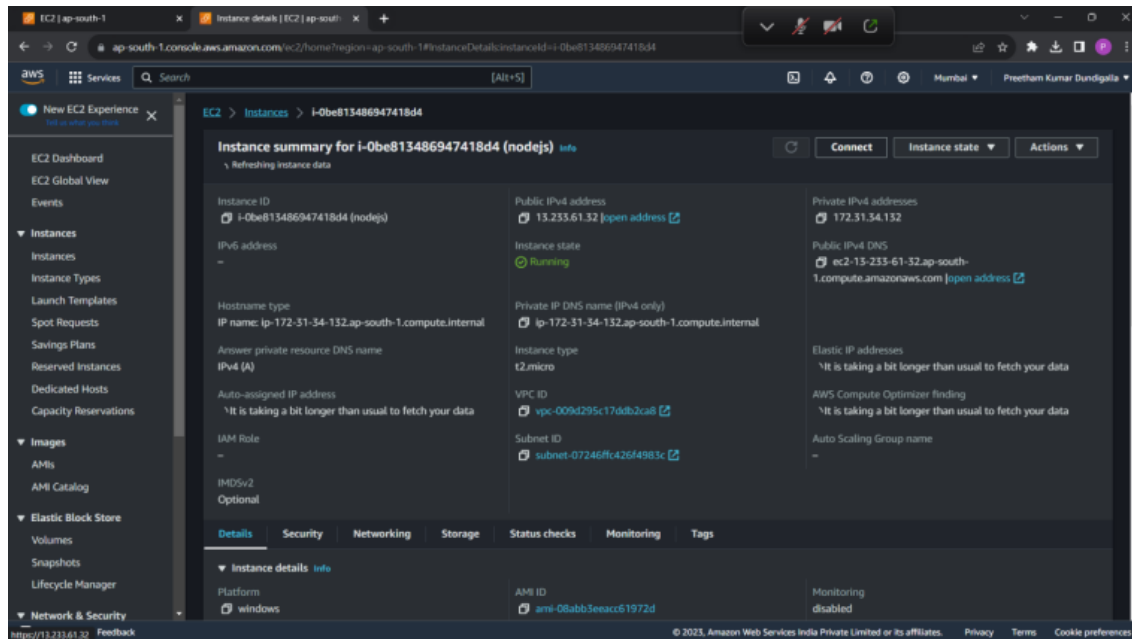
Your ec2 instance is create successfully



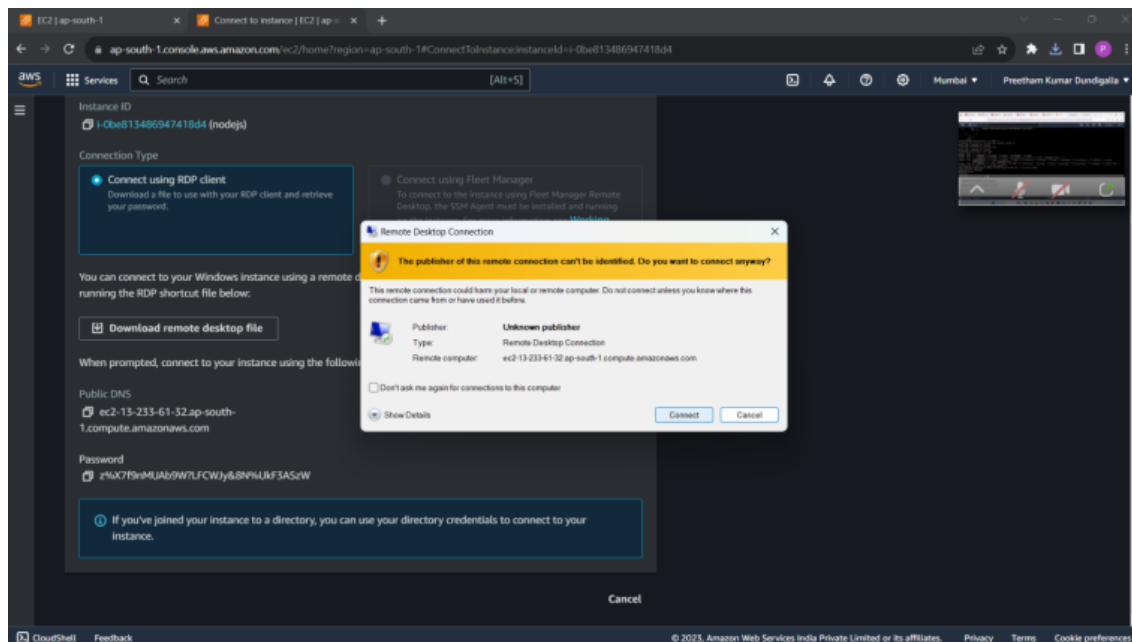
Wait until state is running



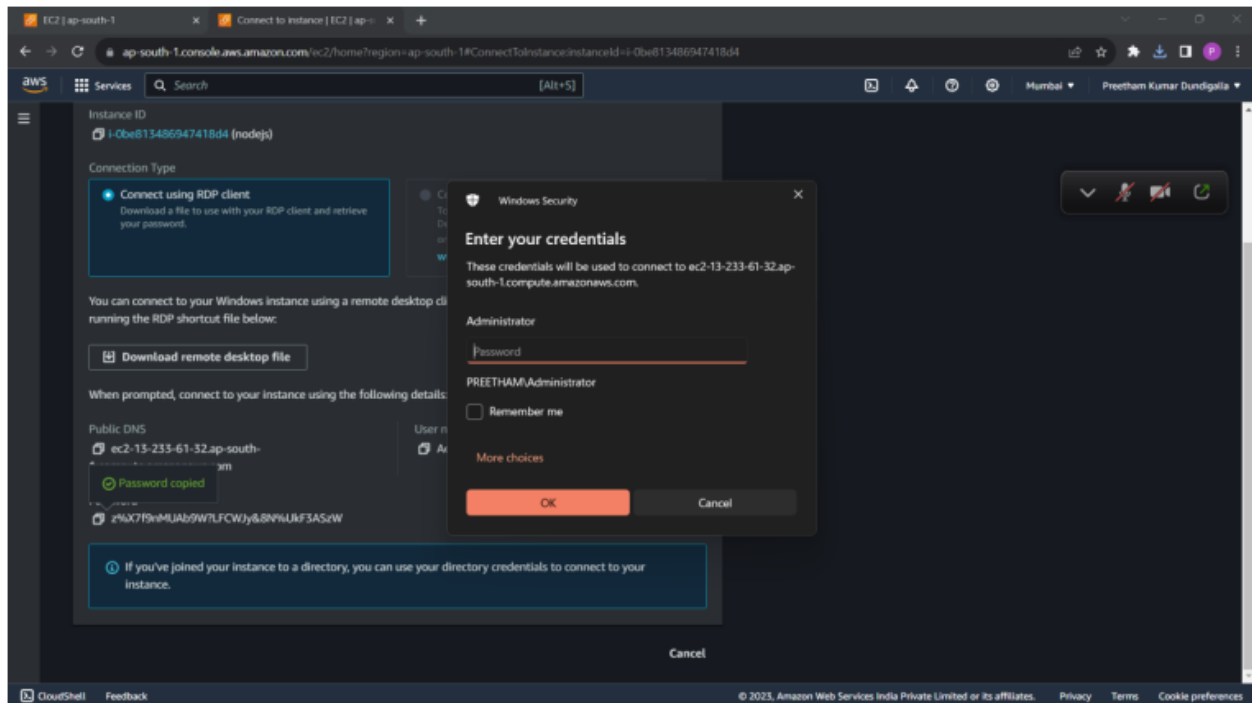
Click on connect



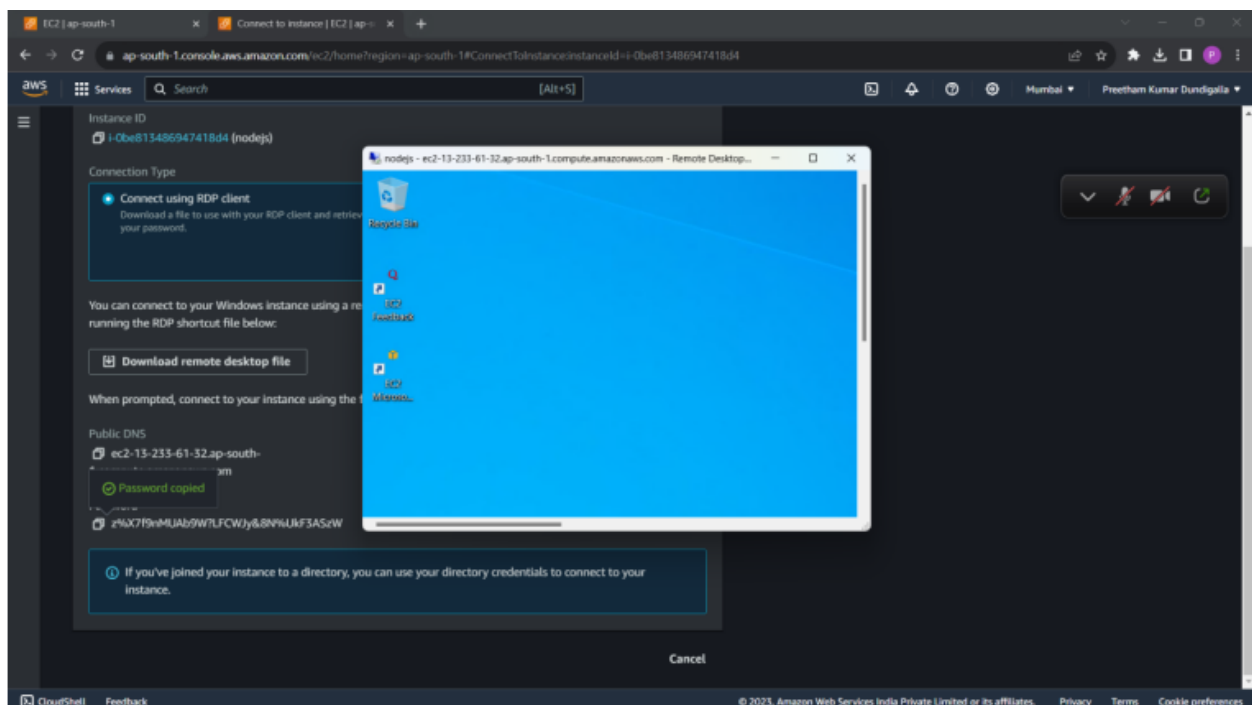
Upload the key pair and get the password and then download remote desktop file



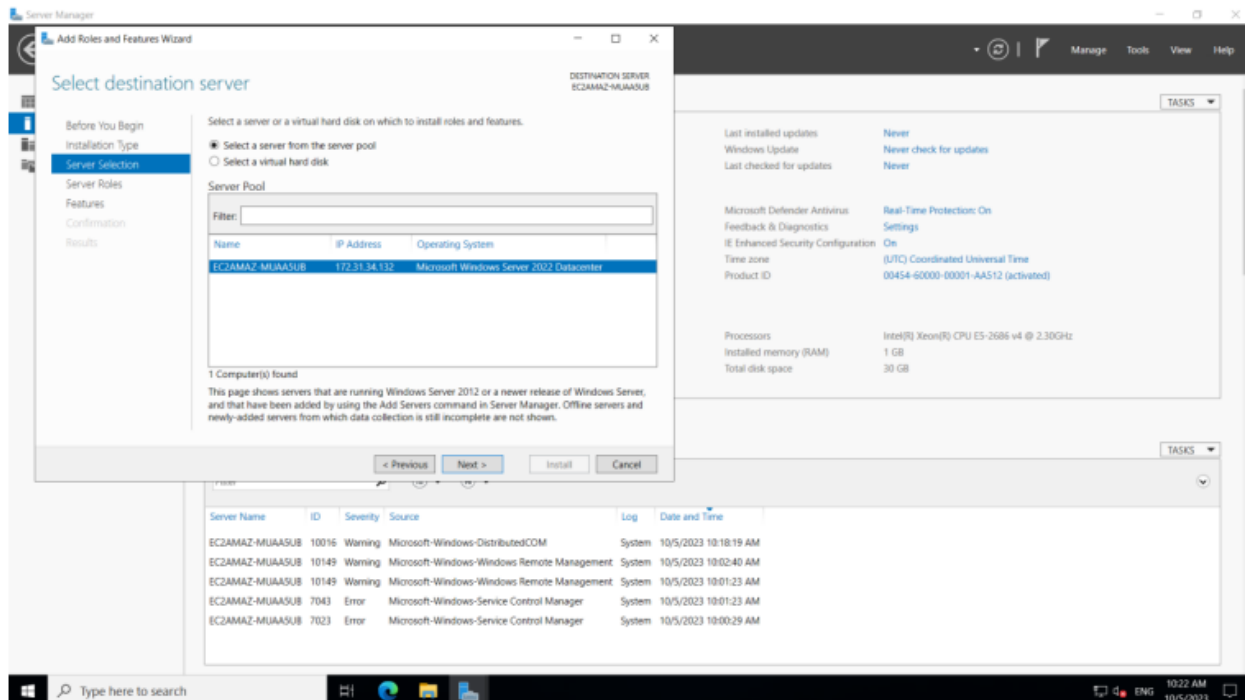
Copy and past the password



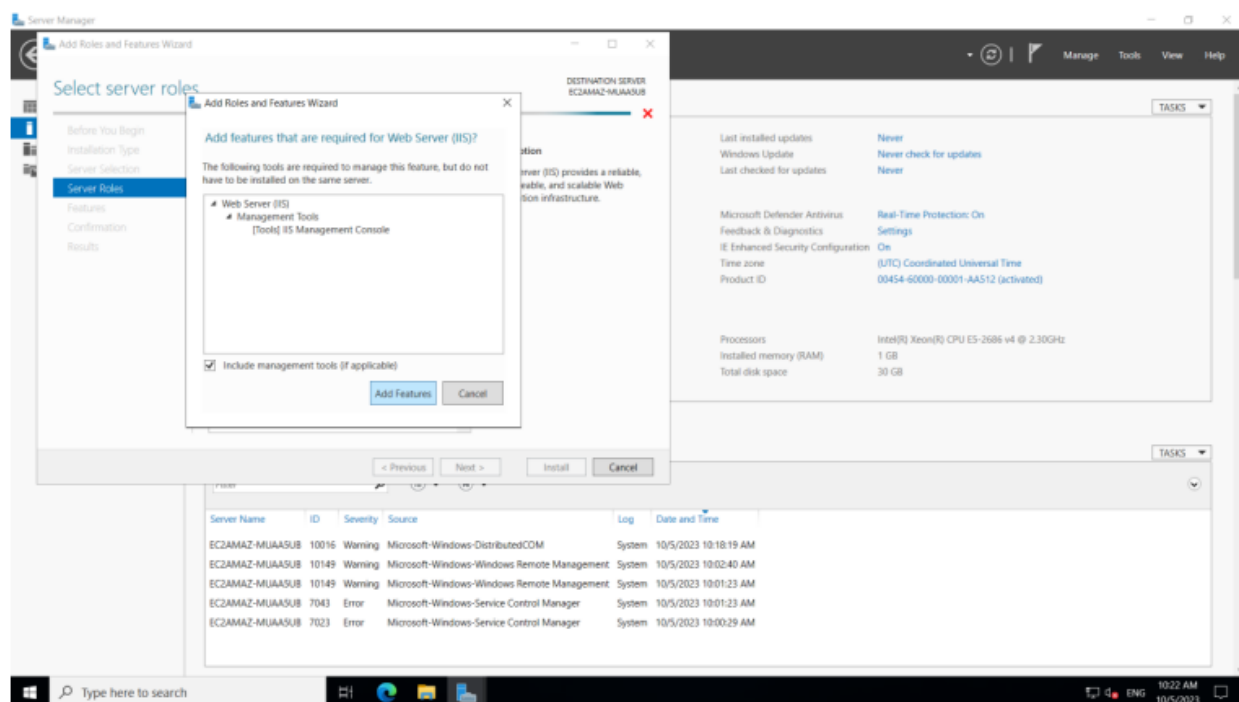
A virtual desktop will be opened

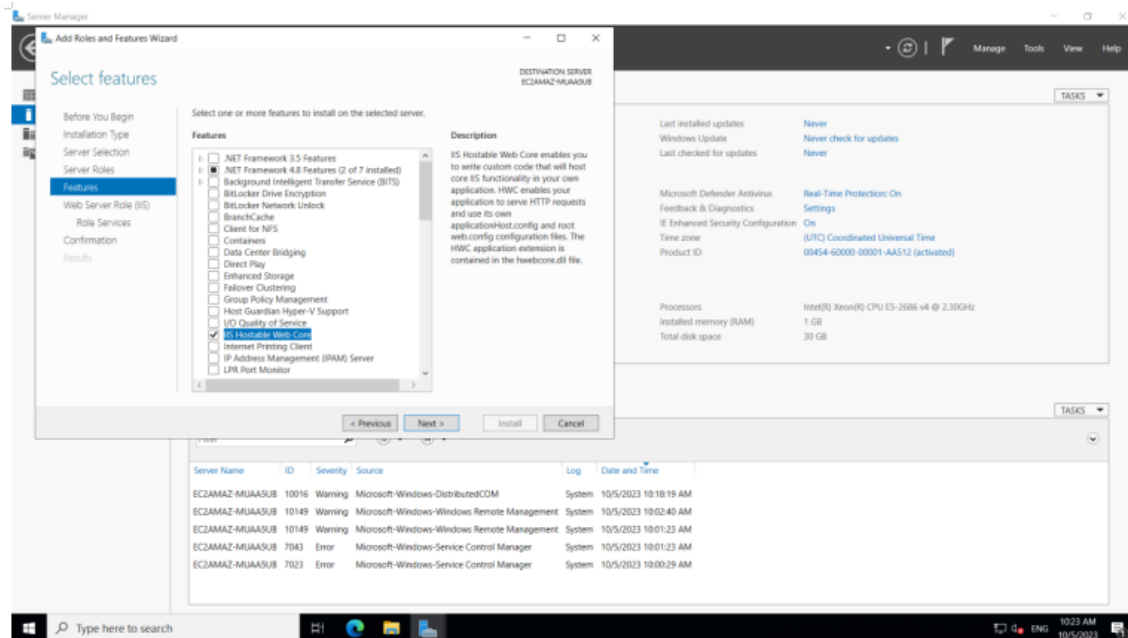


Under server managment click on manage → add roles and features.



After adding the roles and feature. Past your files in filemanager in a server directory. Go to the browser and search localhost. Your website must be visible there. Come out of the virtual desktop.





Click in public ipv4 address. Then in new tab remove "s" from https, your website is hosted

