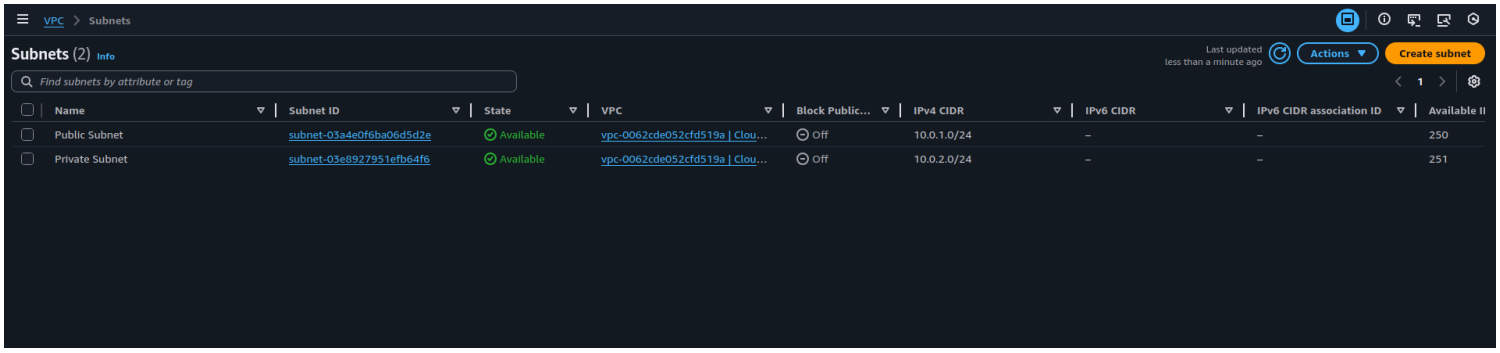
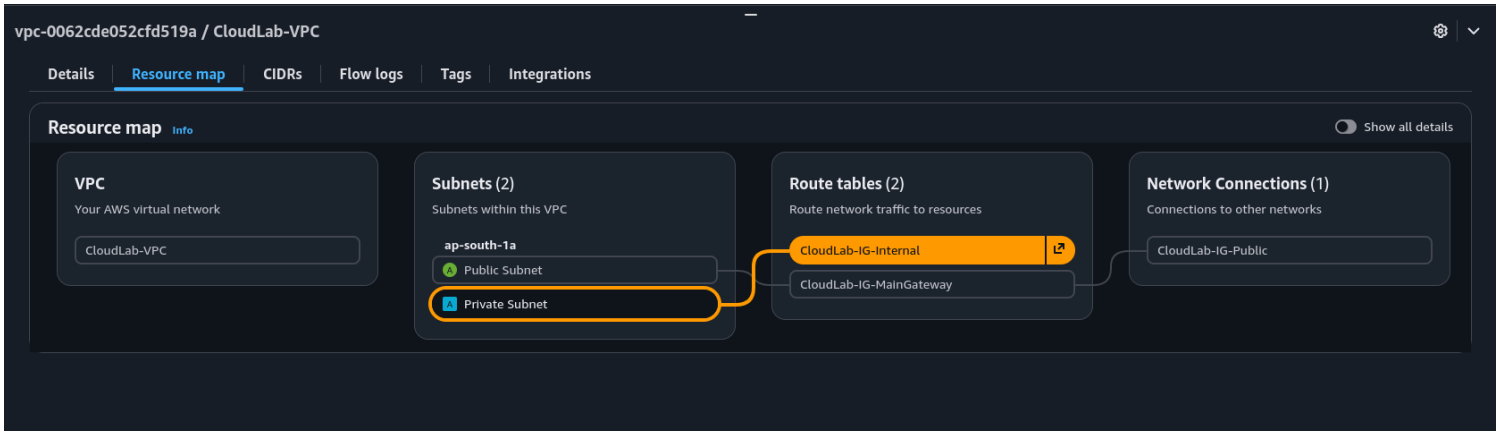
# *Cloudify Ops*

## *Task 1: Create a New VPC*

- ***Subnets :***

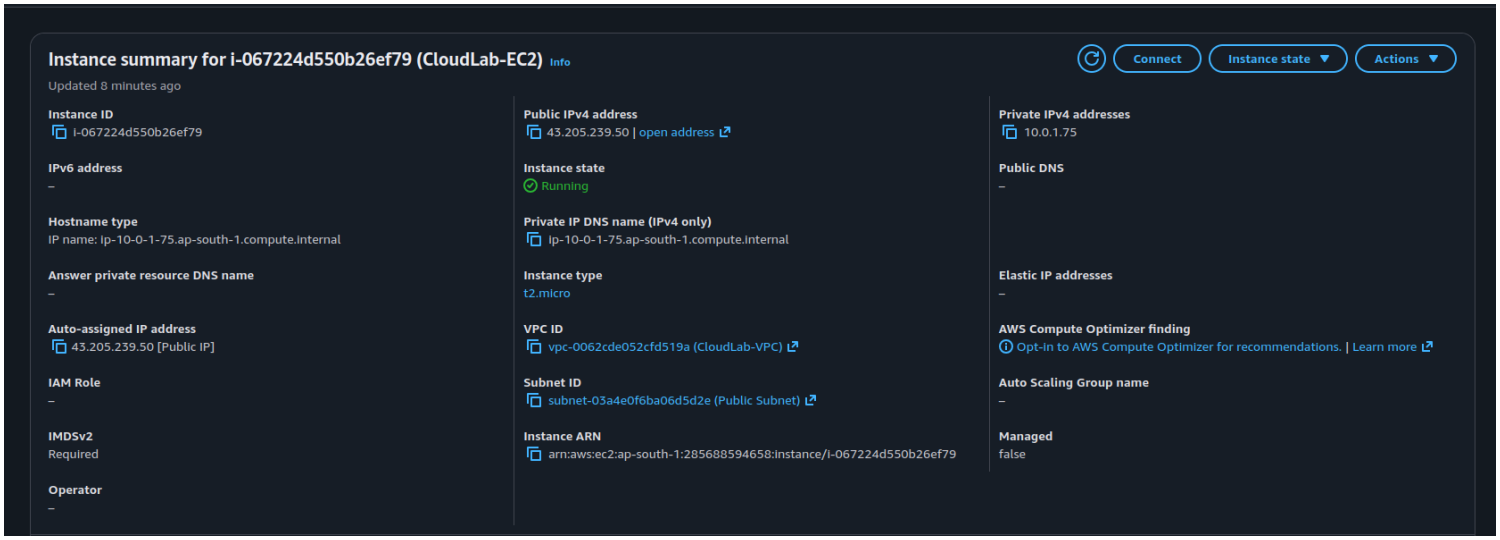



- ***Resource Map***

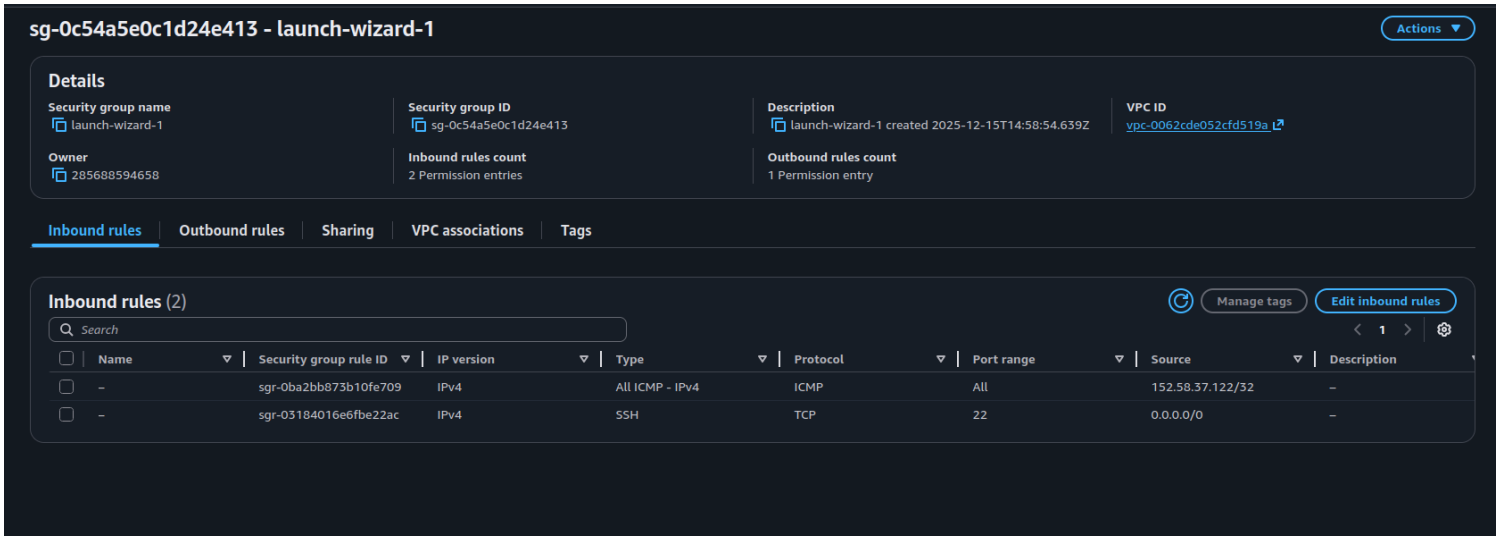



## *Task 2: Launch an EC2 Instance (Public)*

- ***EC2 Machine Created in Public Subnet***




• **Security Group :**

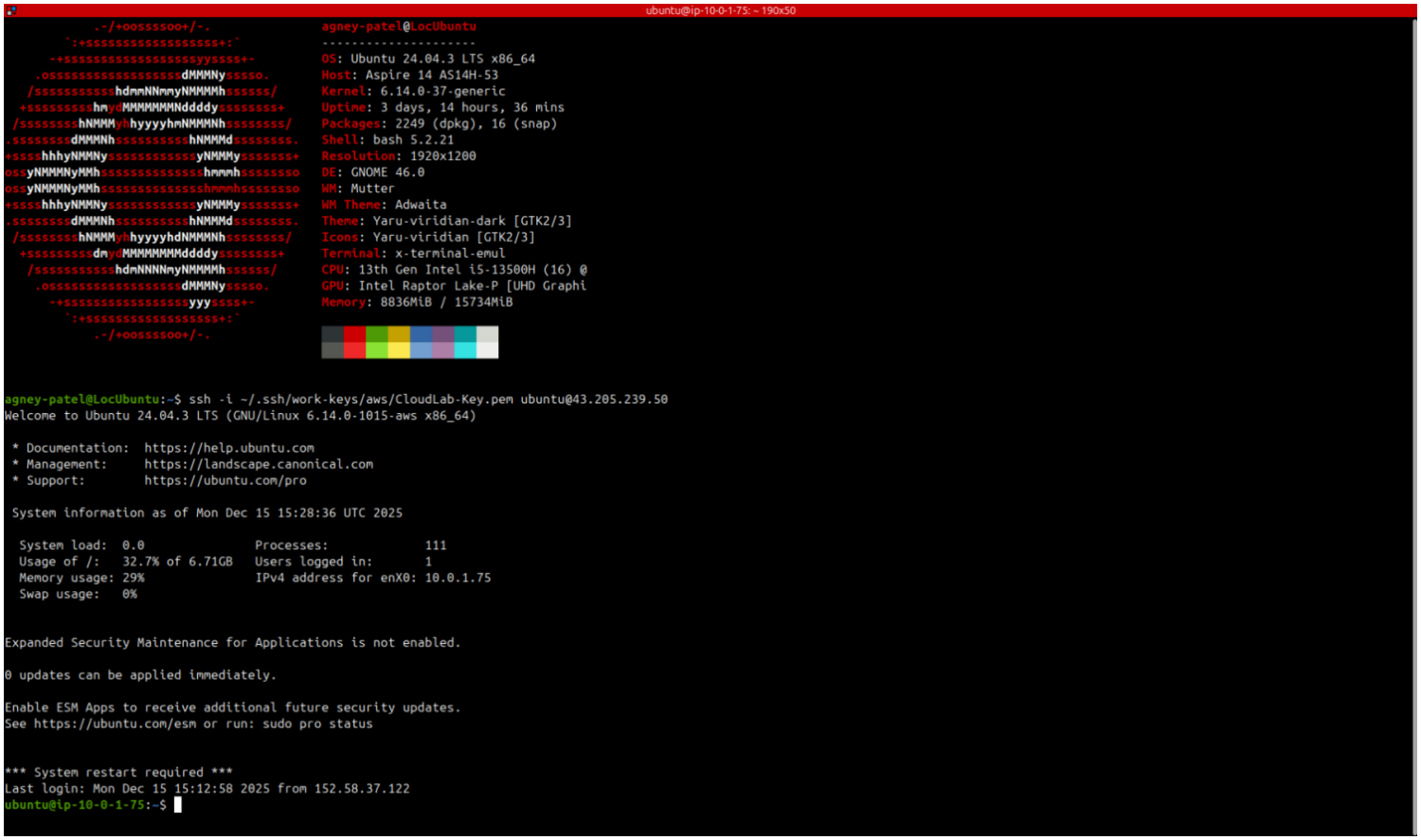



## ***Task 3: Run Basic Linux Commands***

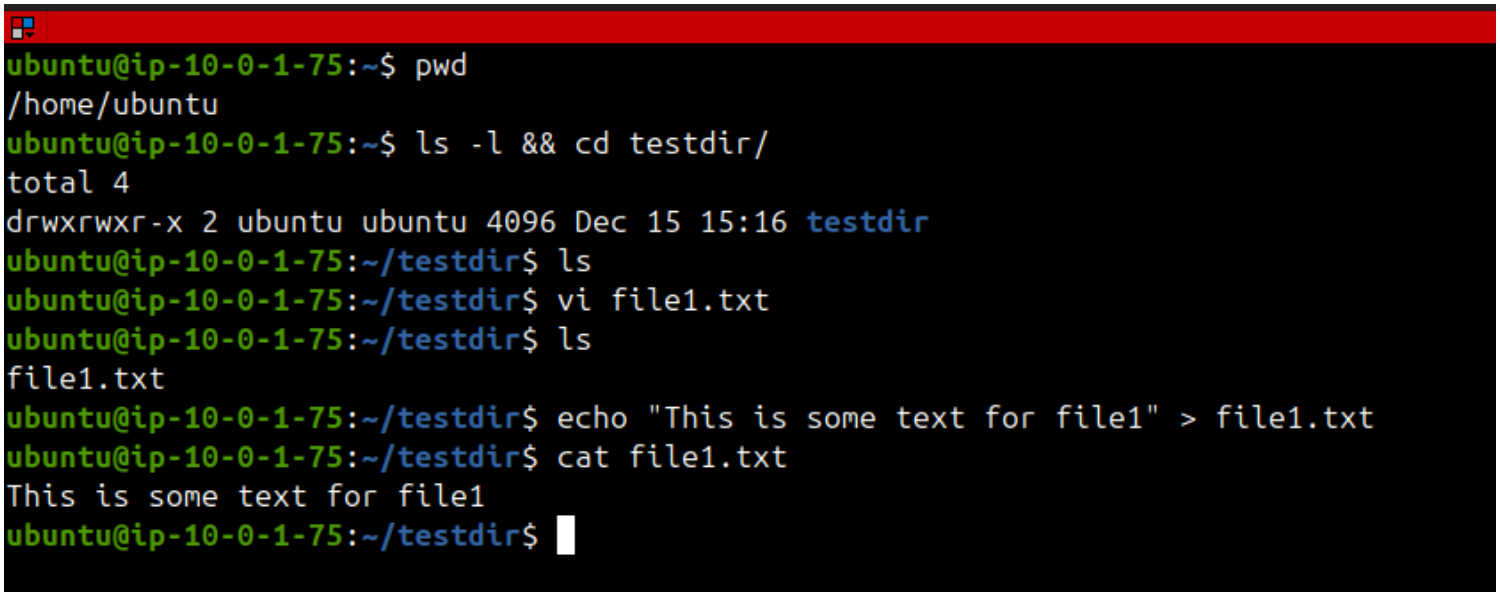
**Connecting to ec2 using ssh protocol (Port 22)**

```
ssh -i ~/.ssh/work-keys/aws/CloudLab-Key.pem ubuntu@
```

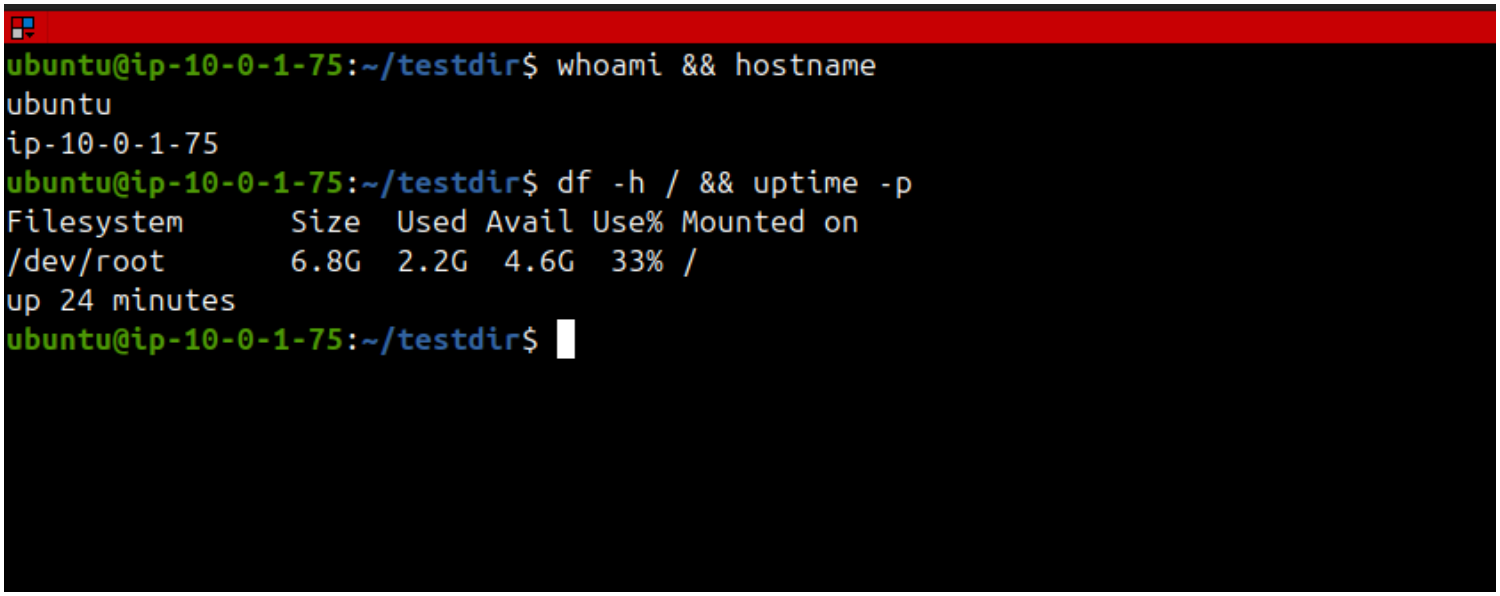
**Connected :**



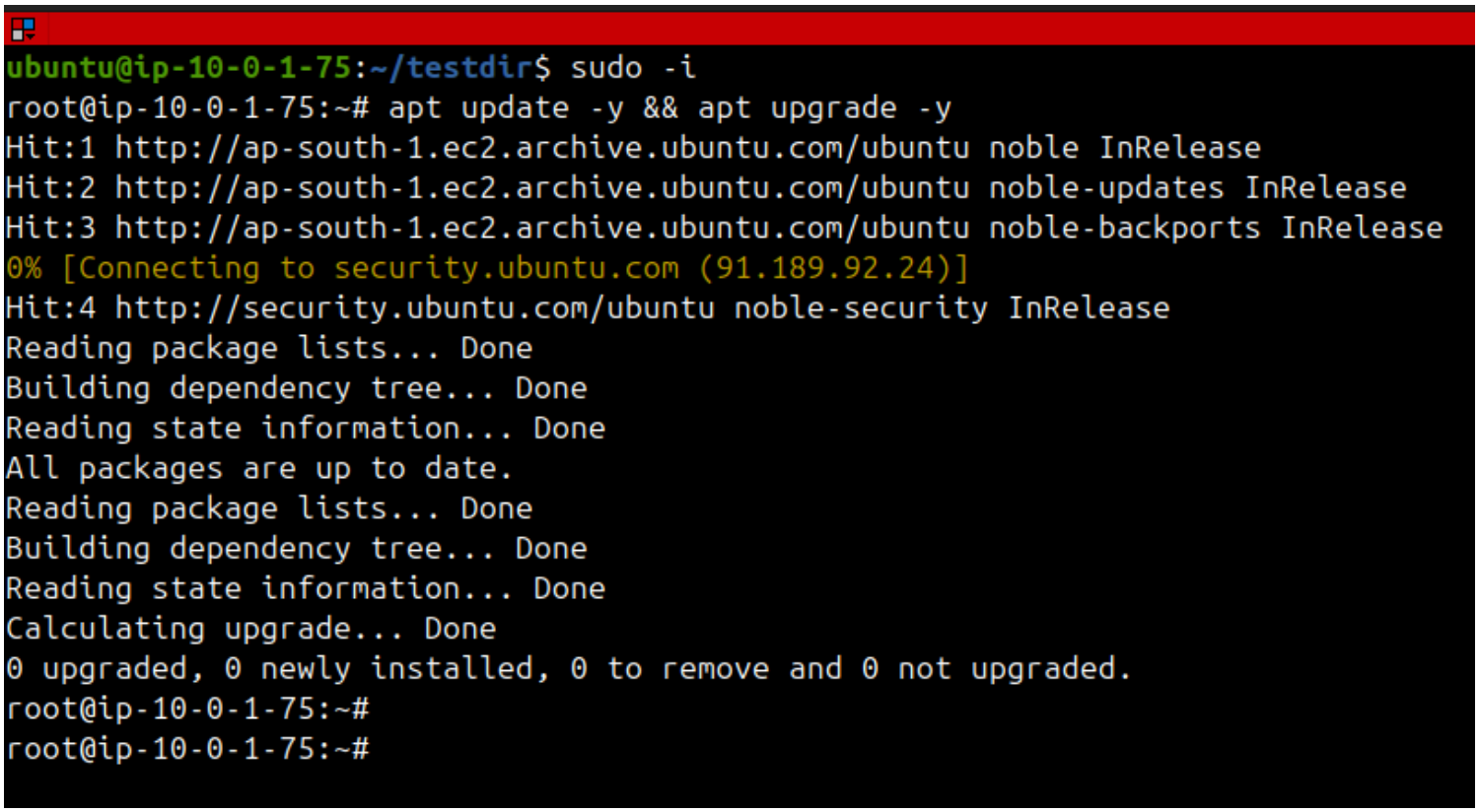

**File/Dir commands** :




**System commands** :

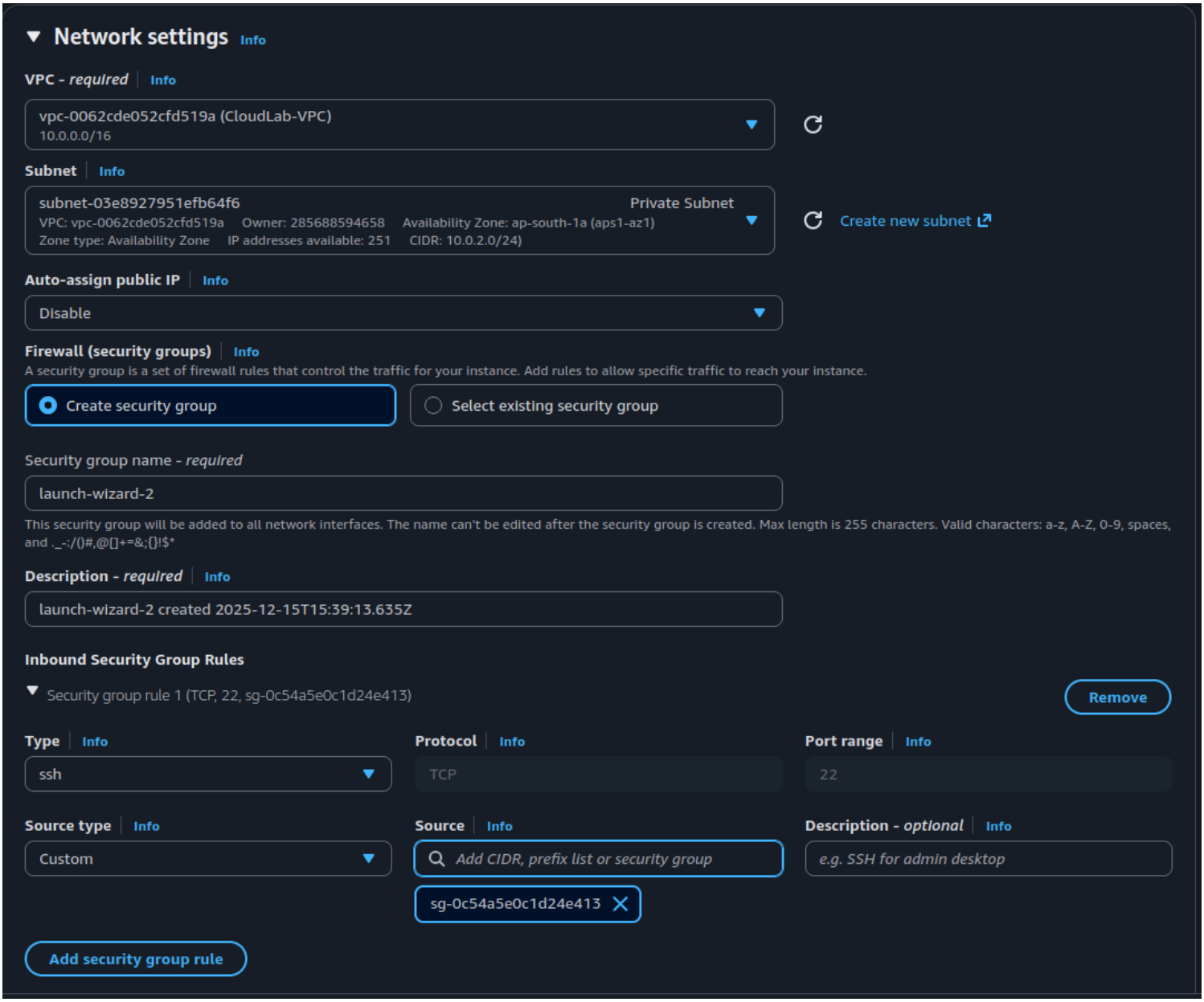



**Package updates :**

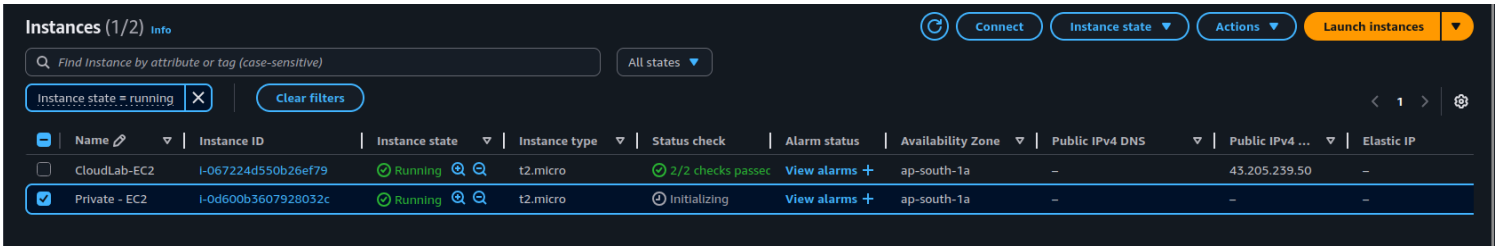



## ***Task 4: Launch a Private EC2 Instance***

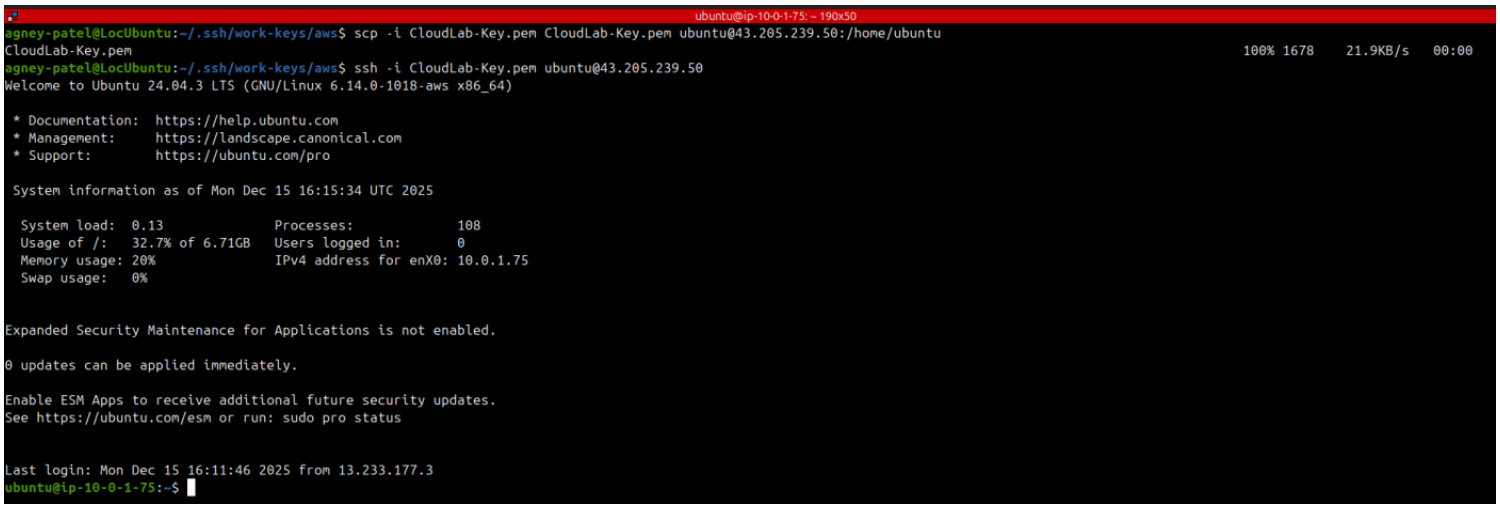
**Priavte subnet :**




**EC2 Running in Pvt Subnet :**




**Copying the key to main ec2 with public ip and then accesing the ec2 which is running in priavate subnet using that key :**

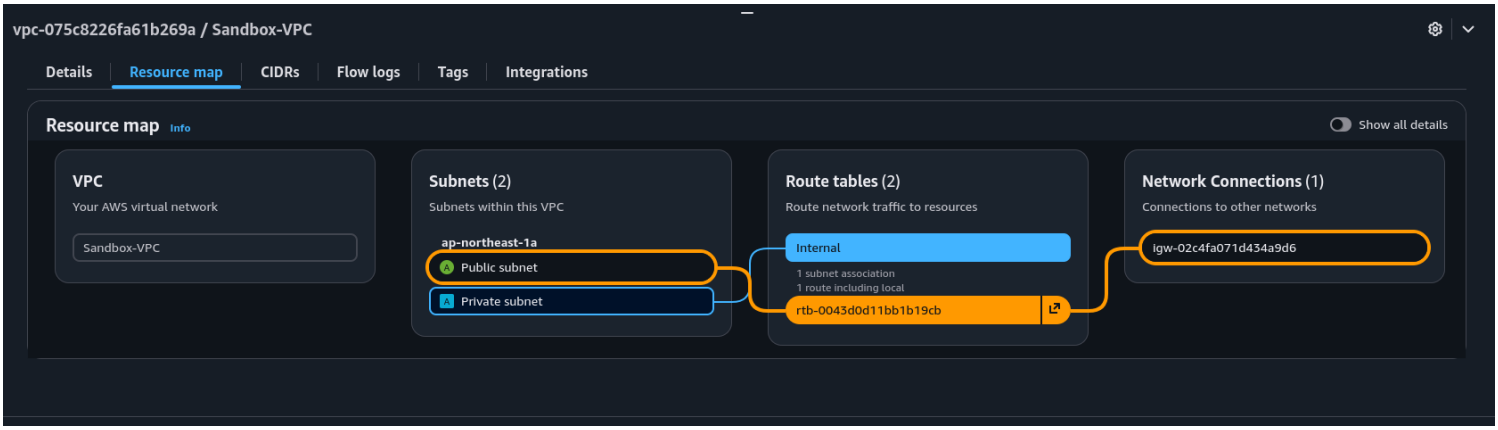



**Using key succefully accessed the instance which is running in private subnet :**

```
ubuntu@ip-10-0-1-75:~$ ssh -i CloudLab-Key.pem ubuntu@10.0.2.60
The authenticity of host '10.0.2.60 (10.0.2.60)' can't be established.
ED25519 key fingerprint is SHA256:FJMLVyvySaCsiLwgfKiDKqX0eBR9ayTEDFC4FjGM2y4.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '10.0.2.60' (ED25519) to the list of known hosts.
Welcome to Ubuntu 24.04.3 LTS (GNU/Linux 6.14.0-1015-aws x86_64)

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

 System information as of Mon Dec 15 16:18:04 UTC 2025

  System load:  0.0               Processes:             108
  Usage of /:   25.8% of 6.71GB   Users logged in:       0
  Memory usage: 21%               IPv4 address for enX0: 10.0.2.60
  Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

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


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-10-0-2-60:~$
```

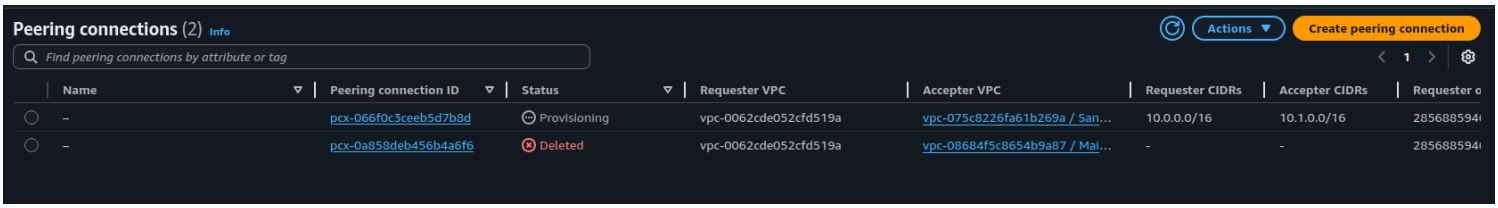
## ***Task 5: Create a Second VPC for Peering(Different Region)***

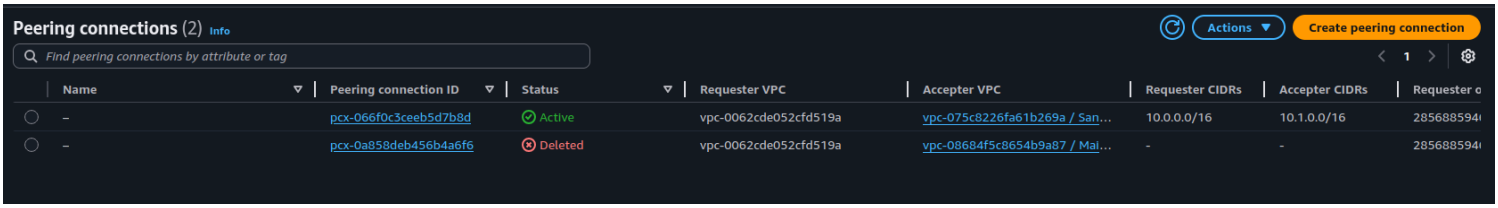
**Created Second VPC in tokyo and initiated the peering connection :**



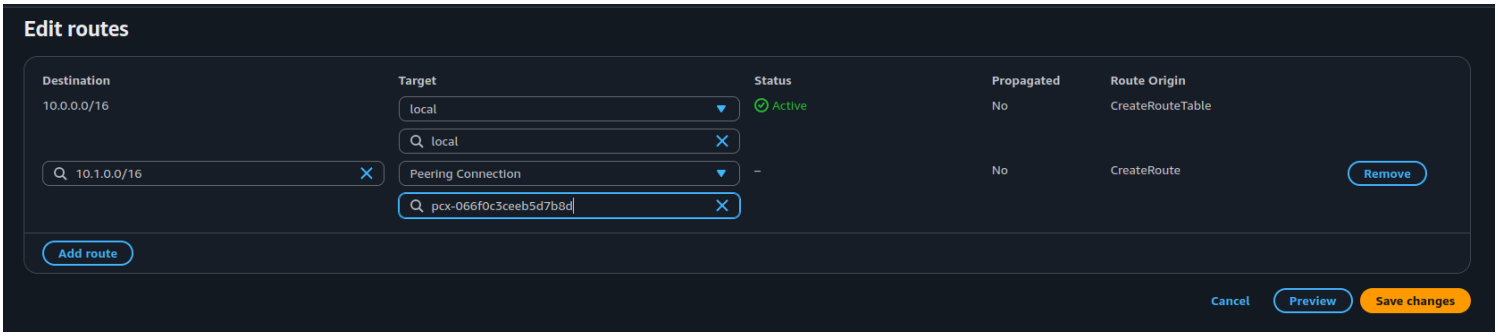

## Peering Request :

## From Requesters side:

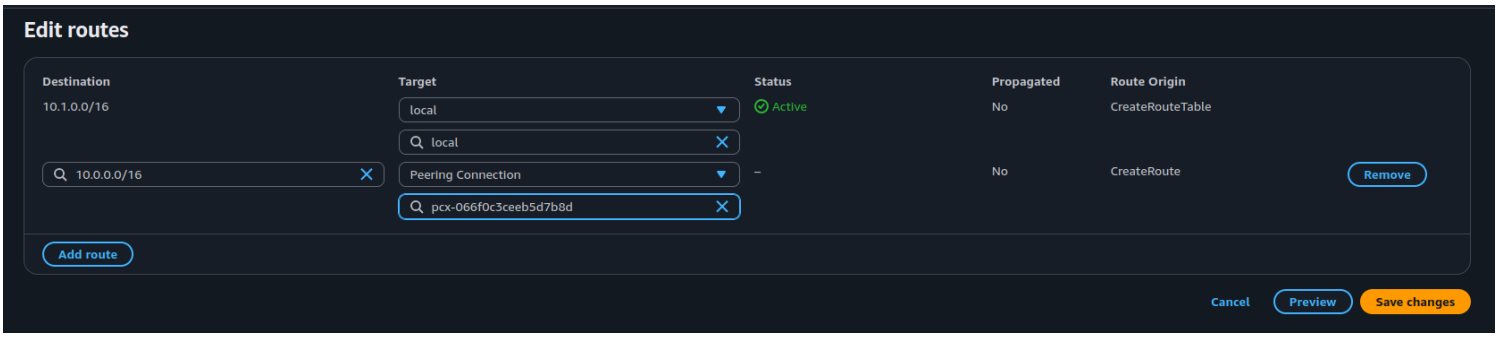


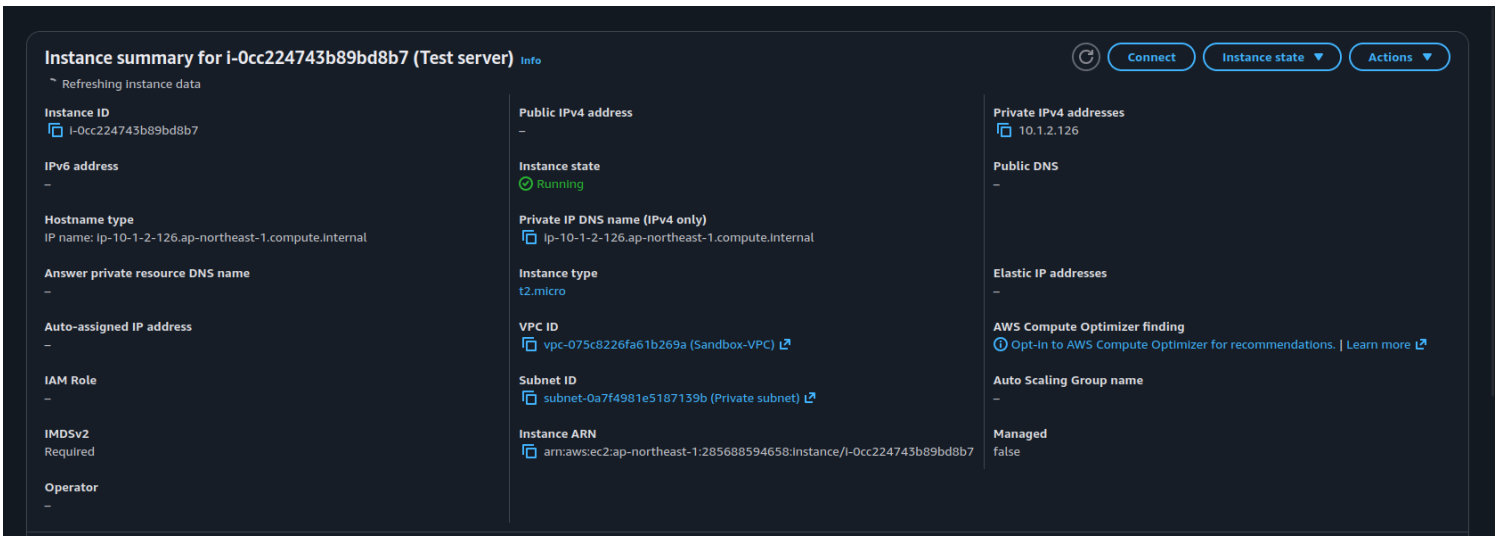

## Updating Peering Route In Requesters Side :




## Updating Peering Route In Accepters Side :




**Created EC2 in tokyo with only private ip :|**




**Received Reply from ec2 which is running in private subnet of tokyo region :**