Cloud Computing Seminar

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Term: Spring 2025

Topic: Networking

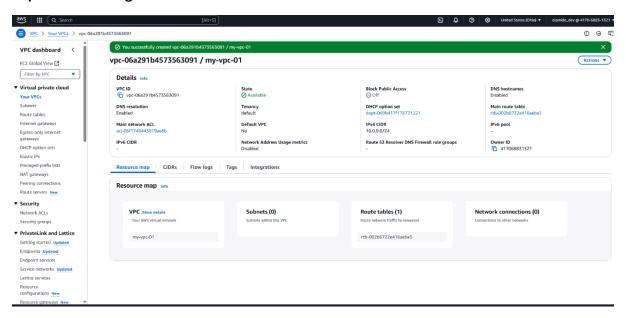


Fig 1.1 VPC Created

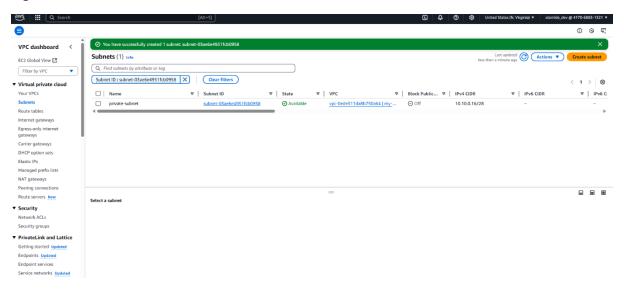


Fig 2.1 Private subnet created

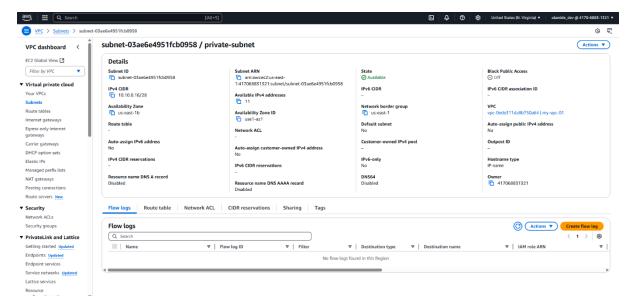


Fig 2.2 Private Subnet details

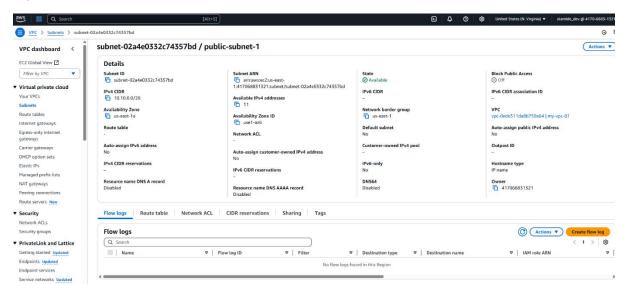


Fig 2.3 Public Subnet details

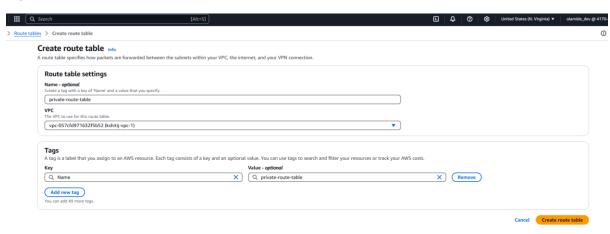


Fig 3.1 Route Table Creation

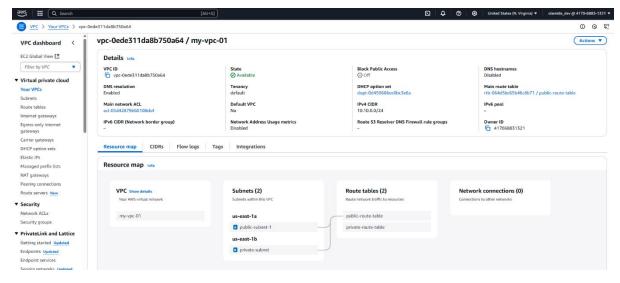


Fig 3.2 Route Table Created

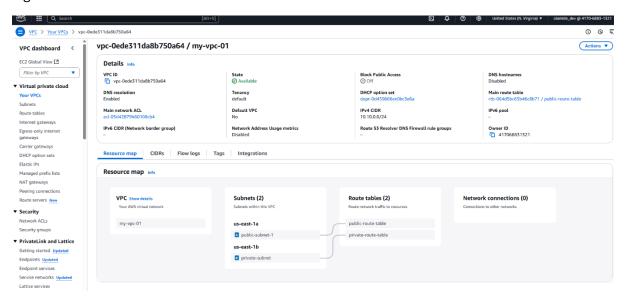


Fig 3.3 Connection Private Route Table To Private Subnet

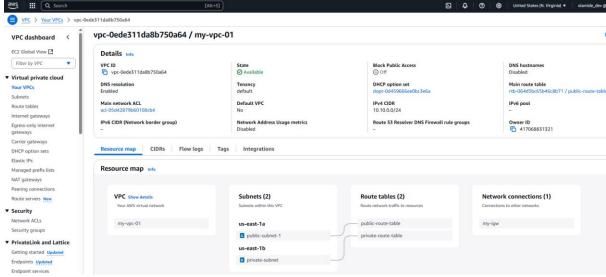


Fig 4.1 Internet Gateway Created

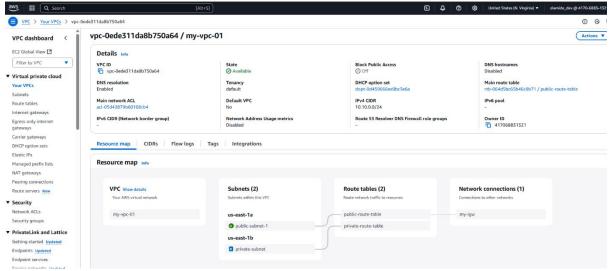


Fig 4.2 Internet Gateway attached to PVC

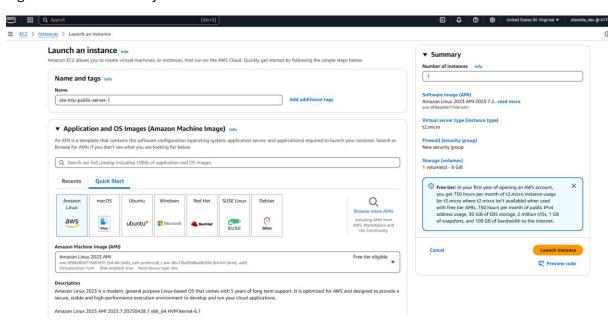


Fig 5.1 EC2 Public Instance Created

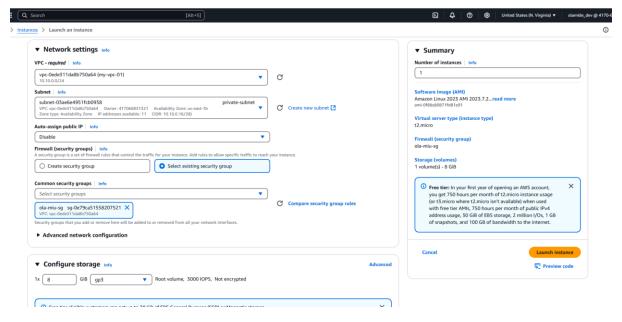


Fig 5.2 Private EC2 Instance Created

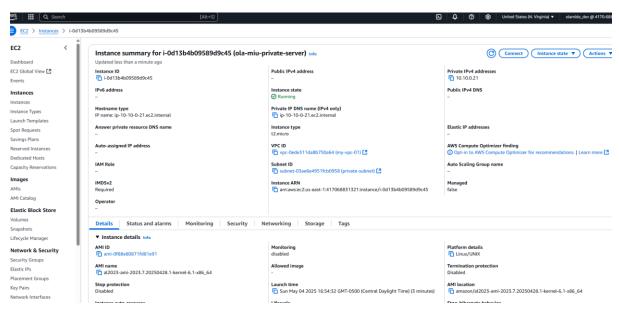


Fig 5.3 Private EV2 instance Launched

```
\Users\aolam\Downloads>ssh -i ola-miu-keypair.pem ec2-user@54.81.124.102
                   Amazon Linux 2023
                   https://aws.amazon.com/linux/amazon-linux-2023
[ec2-user@ip-10-10-0-13 ~]$ echo "hello world" > hello.txt
[ec2-user@ip-10-10-0-13 ~]$ cat hello.txt
 hello world
[ec2-user@ip-10-10-0-13 ~]$ exit
logout
Connection to 54.81.124.102 closed.
C:\Users\aolam\Downloads>scp -i ola-miu-keypair.pem ola-miu-keypair.pem ec2-user@54.81.124.102:/home/ec2-user ola-miu-keypair.pem ola-miu-keypair.pem
C:\Users\aolam\Downloads>scp -i ola-miu-keypair.pem ola-miu-keypair.pem ec2-user@54.81.124.102:/home/ec2-user
                                                                                                     00:00
ola-miu-keypair.pem
                                                                                100% 1674
C:\Users\aolam\Downloads>ssh -i ola-miu-keypair.pem ec2-user@54.81.124.102
      \_####\
        \###|
\#/___
V~' '->
                  https://aws.amazon.com/linux/amazon-linux-2023
```

Fig 6.1 Connecting to Public EC2 Instance via SSH

Fig 6.2 Connecting to Private EC2 Instance from the Public Instance.