

**AWS Project**

Group : Fantastic 4!

Members:

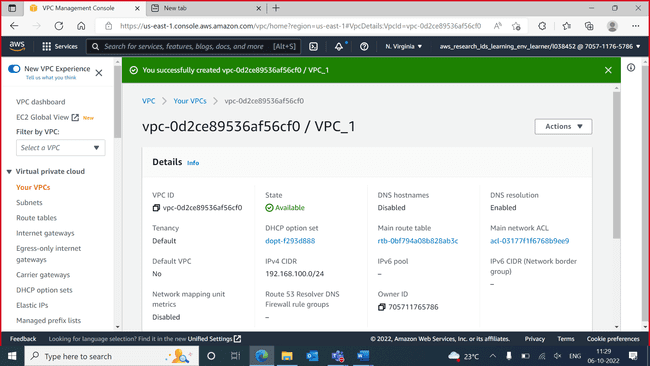
1. Anusha Udaya Hegde ([hegde\_anusha@lilly.com](mailto:hegde_anusha@lilly.com))

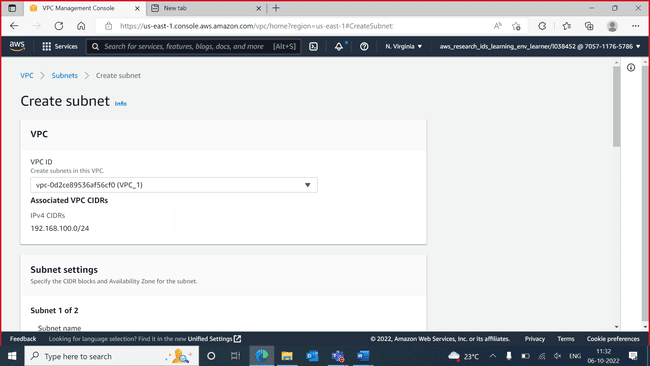
2. V Vidya Priya ([priya\_v\_vidya@lilly.com](mailto:priya_v_vidya@lilly.com))

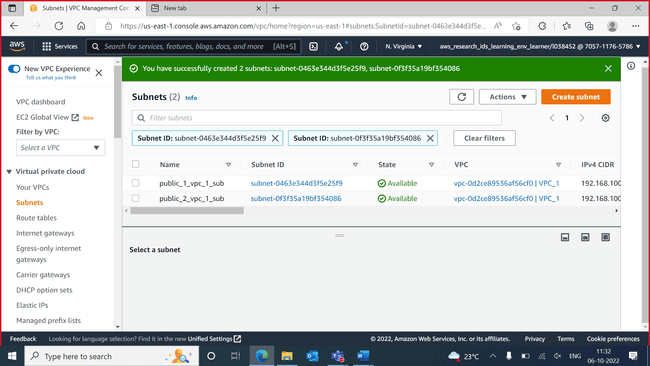
3. Bhoomika SK ([s\_k\_bhoomika@lilly.com](mailto:s_k_bhoomika@lilly.com))

4. Shireesha mudawath ([mudawath\_shireesha@lilly.com](mailto:mudawath_shireesha@lilly.com) )

1. Creating VPC







Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Private subnets

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Route table for public

Graphical user interface, text, website

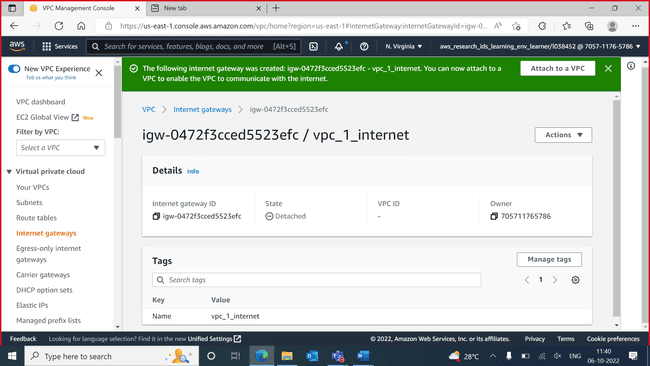
Description automatically generated

Route table for private

Graphical user interface, text, application

Description automatically generated

Internet gateway for public subnets



Graphical user interface, text, application

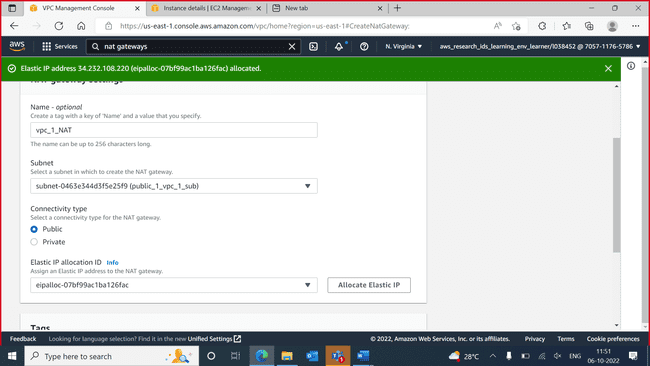
Description automatically generated

Adding internet route to public route table

Graphical user interface, text, application

Description automatically generated

Created NAT gateway for the private subnet

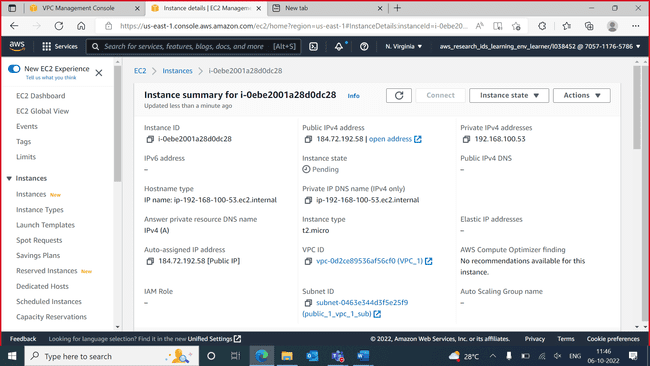


Graphical user interface, text, application

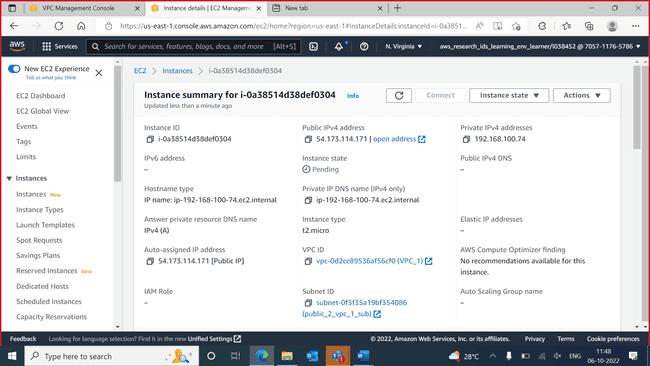
Description automatically generated

INSTANCES

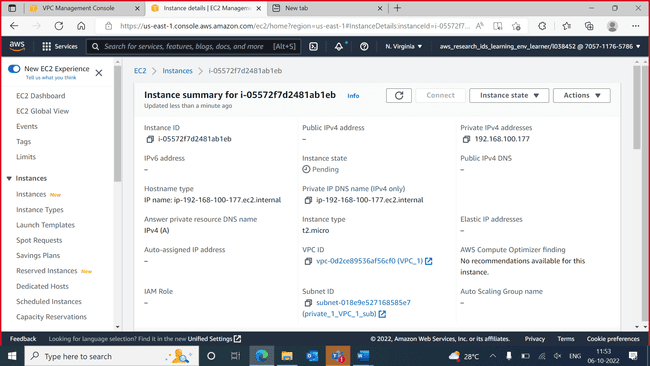
1. Public -1



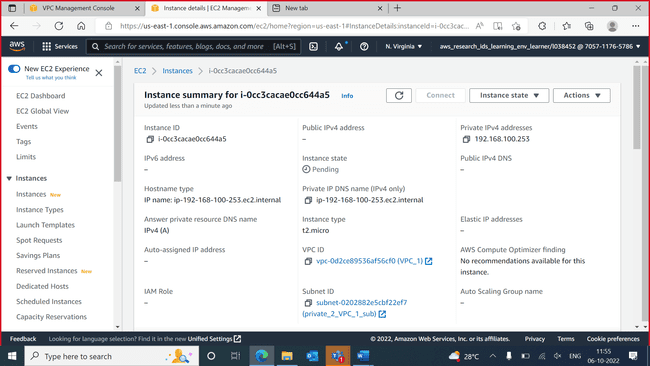
Public-2



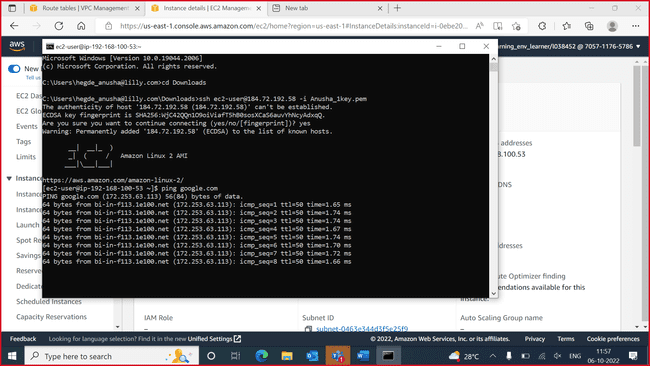
Private-1



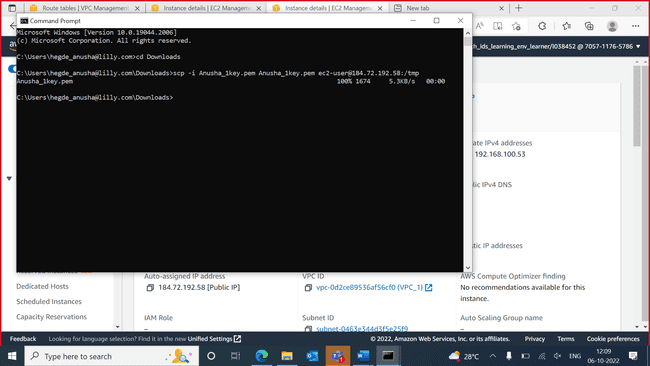
Private-2



Public instance working



Transferring the pem file from system to public machine

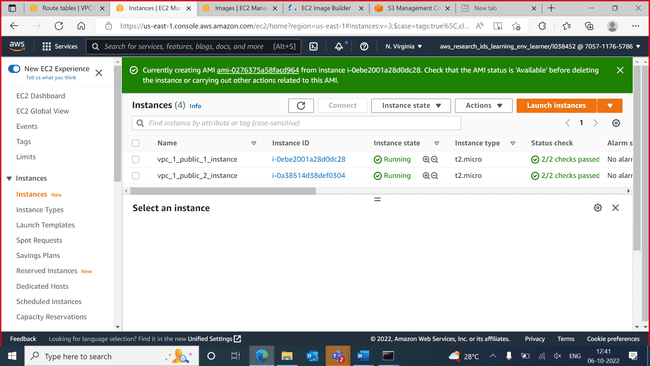


Private machine has no internet now

A screenshot of a computer

Description automatically generated

Creating image for public instance

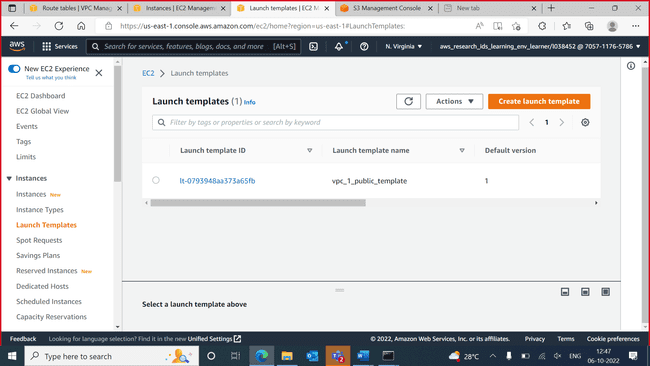


AMI created

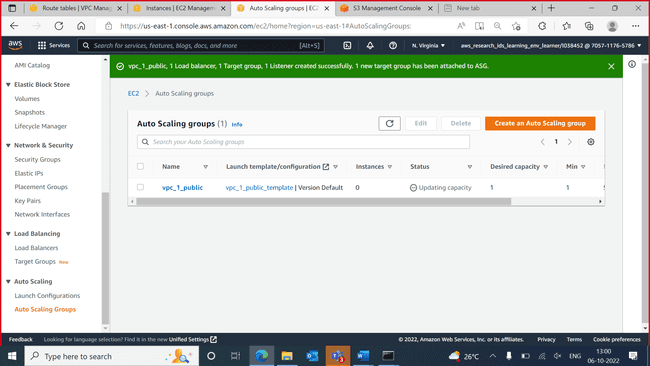
Graphical user interface, text, application, Word

Description automatically generated

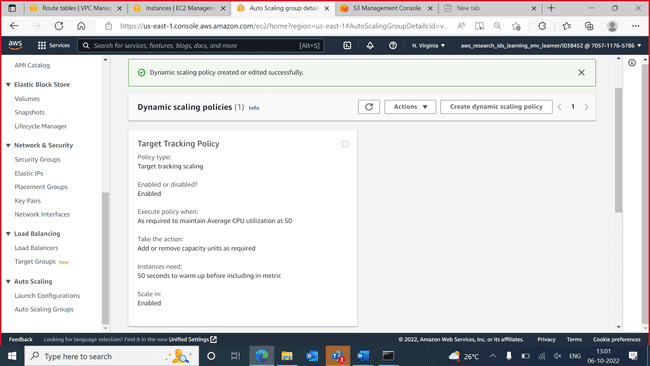
AMI template created



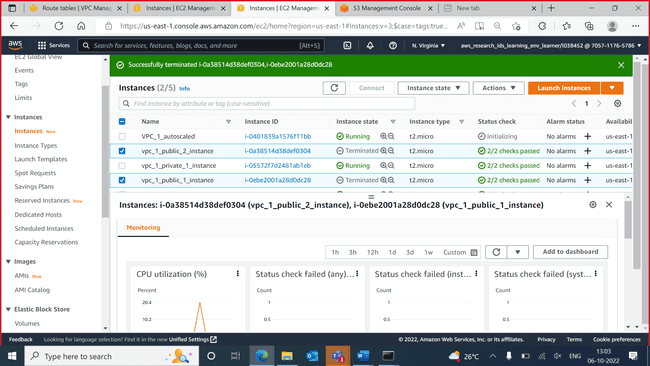
Autoscalling grp



Dynamic scaling policy created

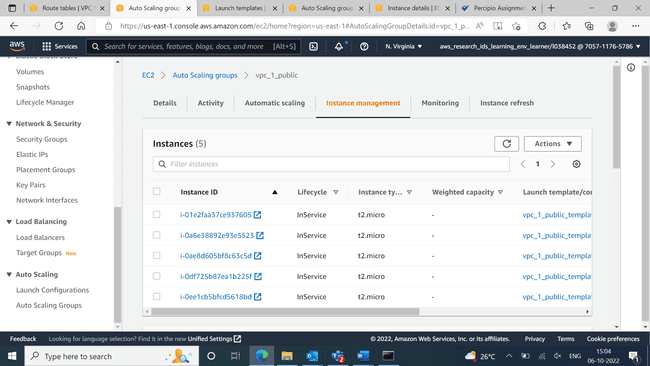


After autoscaling 🡪new instance is automatically created 🡪 delete previously created 2 public instances



Instance created doesn’t have an public IP so we edited the template 🡪 put enable 🡪 then under auto scaling 🡪 details 🡪 put 2 versions

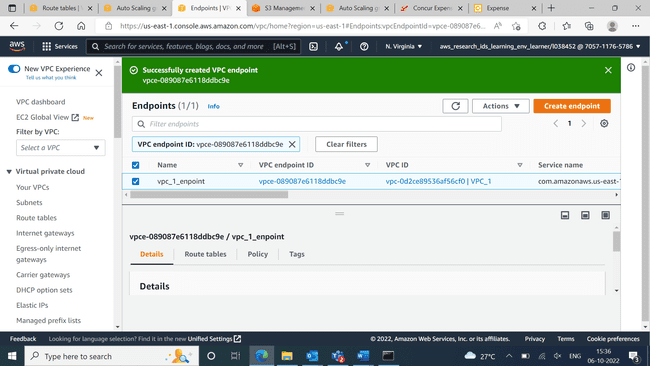
Autoscaled to 5 instances



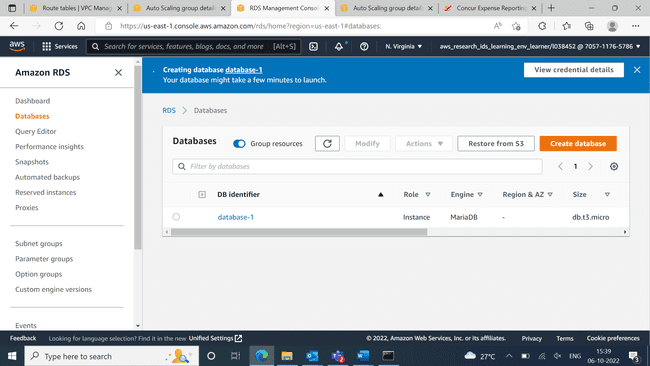
Graphical user interface, application

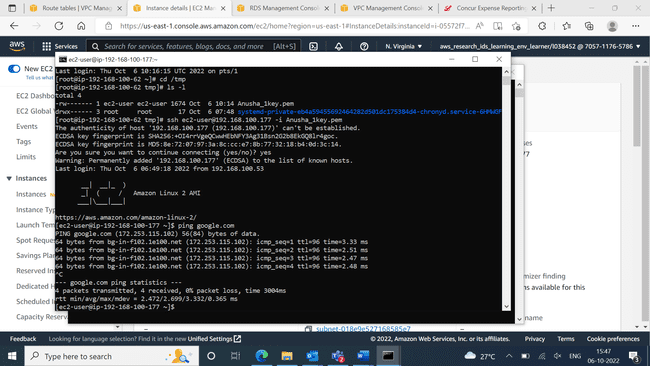
Description automatically generated

Endpoint created

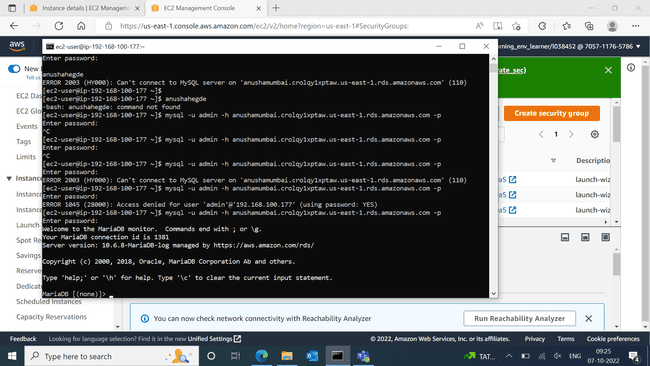


RDS creation

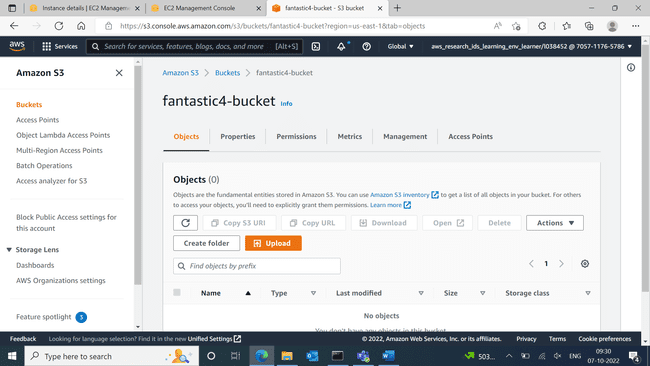




Connection to MariaDB



S3 bucket



Lambda function creation

Graphical user interface, text, application

Description automatically generated

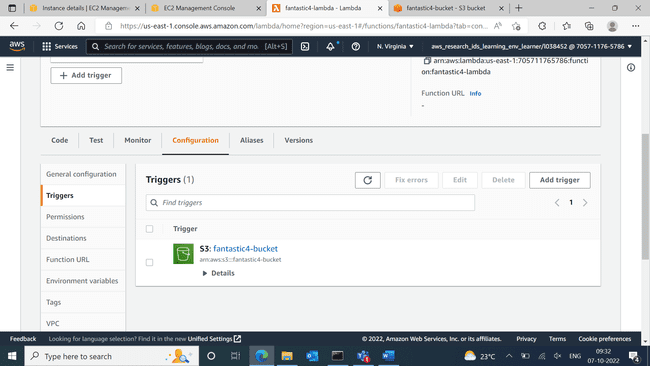
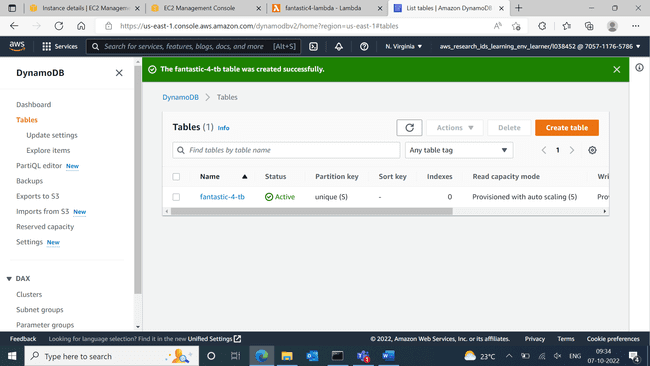
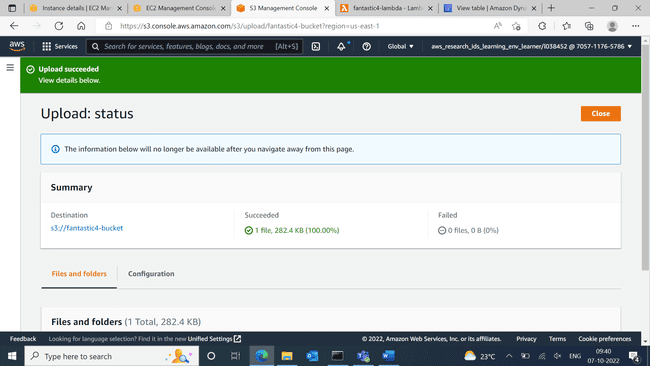


Table creation in DynamoDB



Uploading files in bucket



Lambda

Graphical user interface, text, application

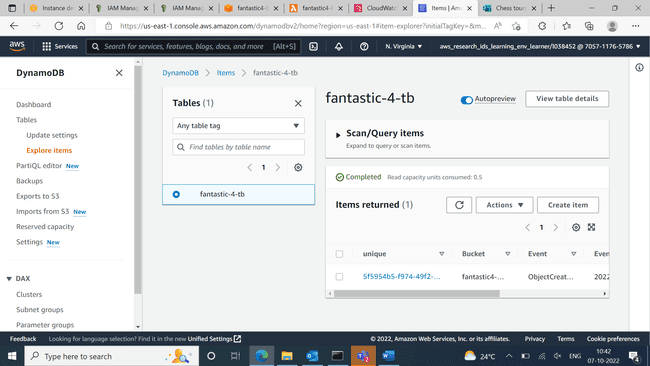
Description automatically generated

Lambda code

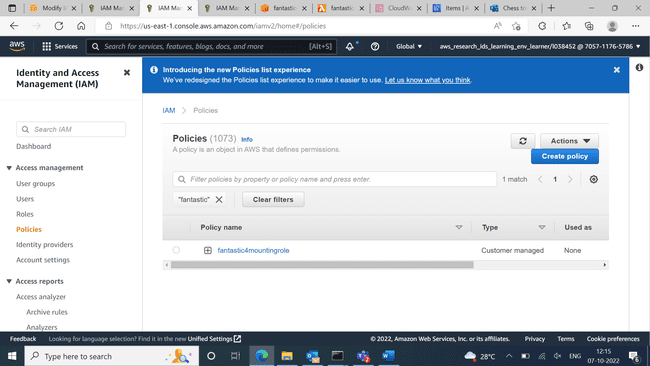
Graphical user interface, text

Description automatically generated

Files displayed over DynamoDB



New policy created for mounting



Mounted successfully over the instance

A screenshot of a computer

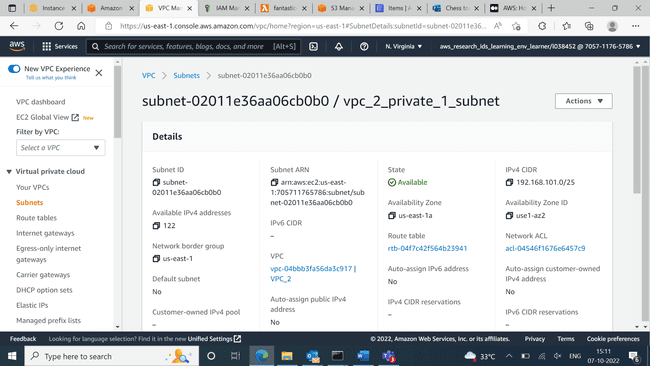
Description automatically generated with medium confidence

Second VPC created

Graphical user interface, text, application

Description automatically generated

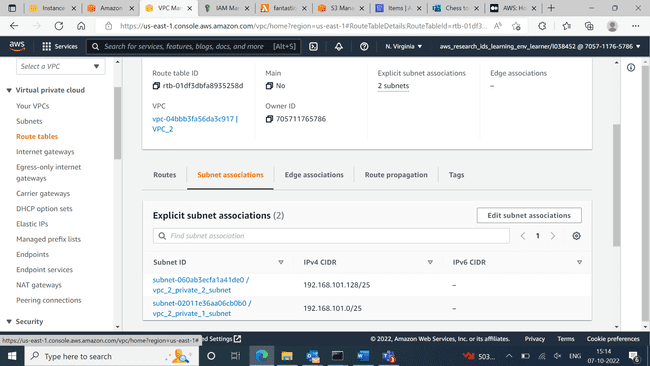
2 subnets created for VPC 2



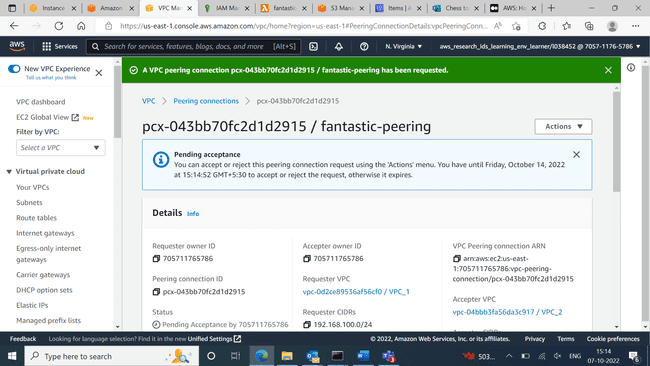
Graphical user interface, text, application, email

Description automatically generated

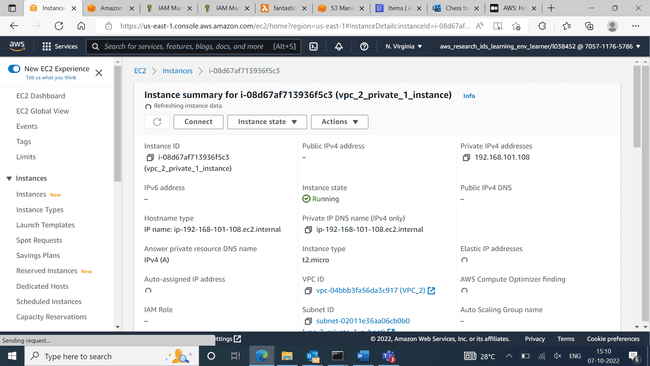
Route table for VPC – 2

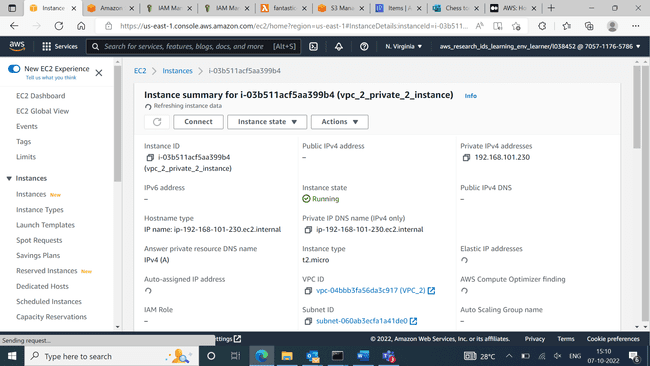


VPC peering between 2 VPCs



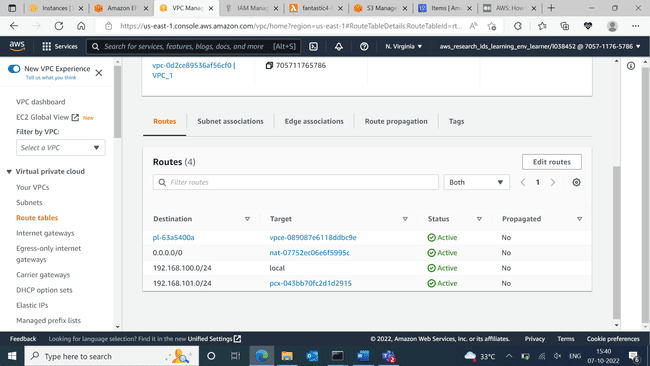
2 private Instance created for VPC 2



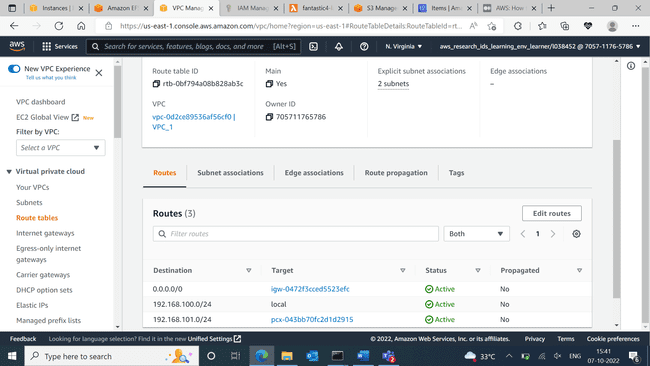


Route table entries of VPC peering

Route table – private 1 of VPC -1



Route table – private 2 of VPC -1



Route table – private of VPC – 2

A screenshot of a computer

Description automatically generated

After VPC peering, private instances of VPC 2 pinging

A screenshot of a computer

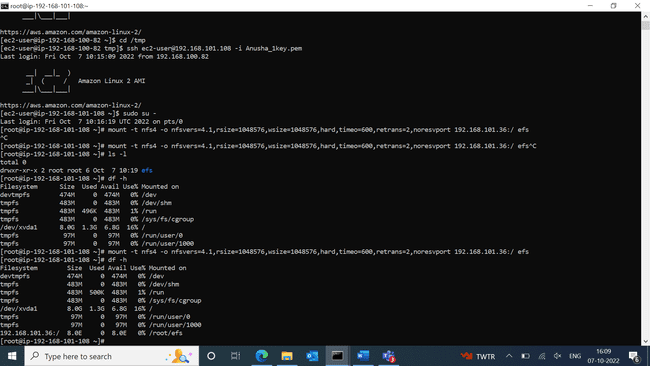
Description automatically generated with medium confidence

EFS created

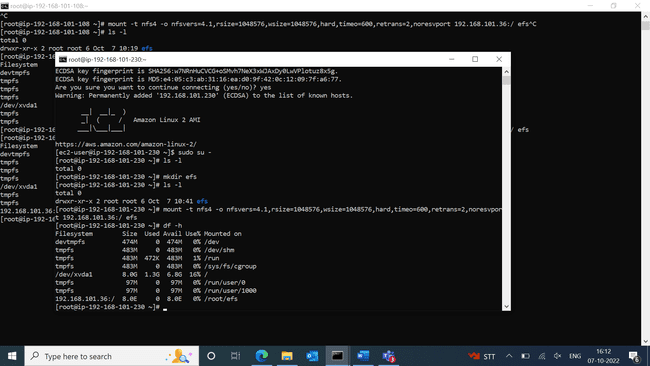
Graphical user interface, text

Description automatically generated

EFS mounted into 1st private instance of VPC 2



EFS mounted into 1st private instance of VPC 2

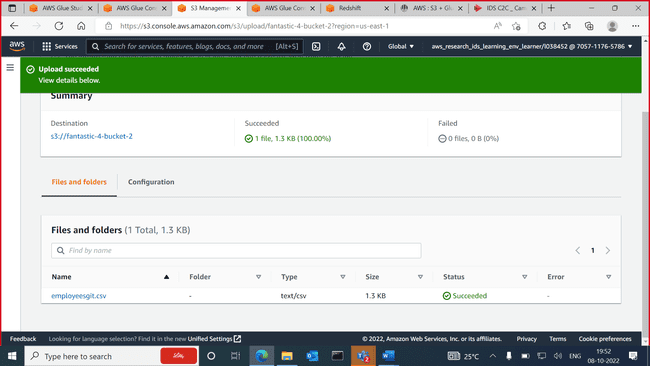


Created a new bucket

Graphical user interface, text

Description automatically generated

Uploaded csv file into new bucket

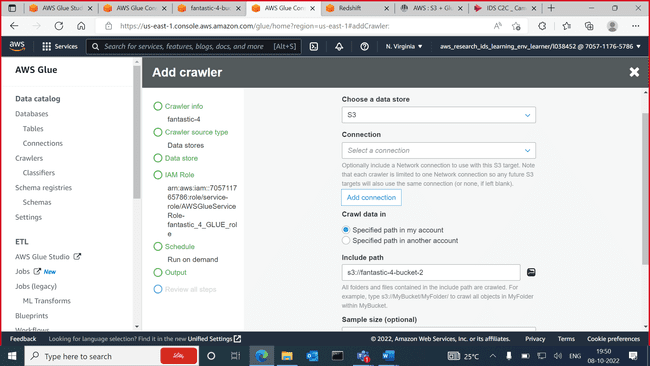


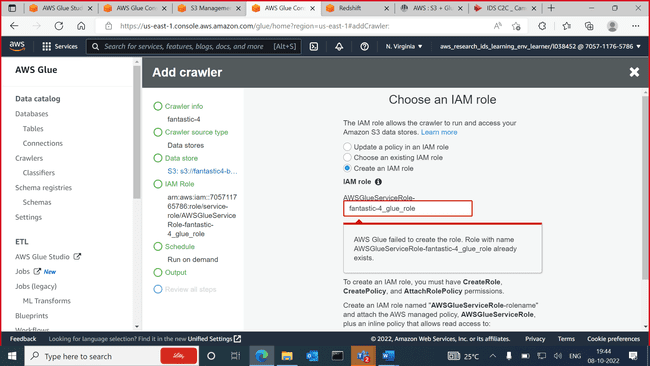
New database created under glue

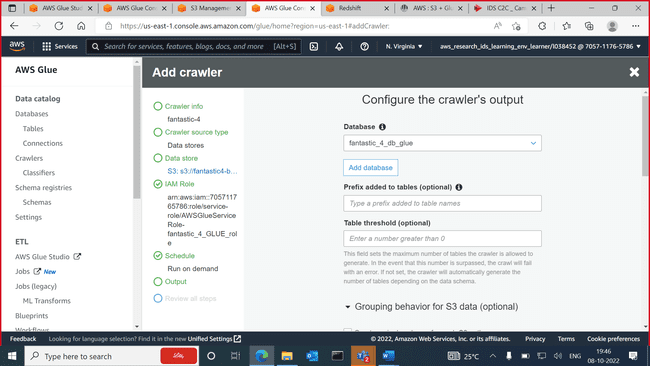
A screenshot of a computer

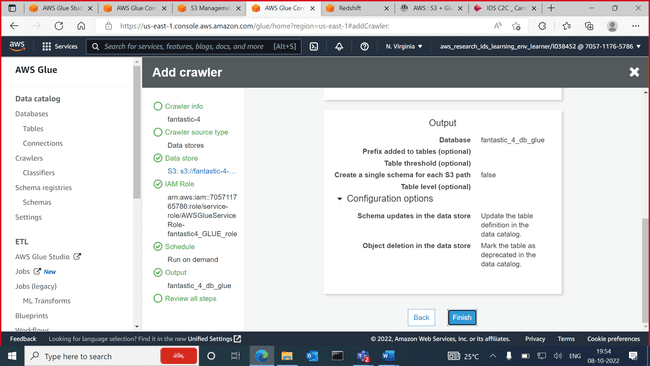
Description automatically generated

Crawler









Crawler created for the new S3 bucket

A screenshot of a computer

Description automatically generated

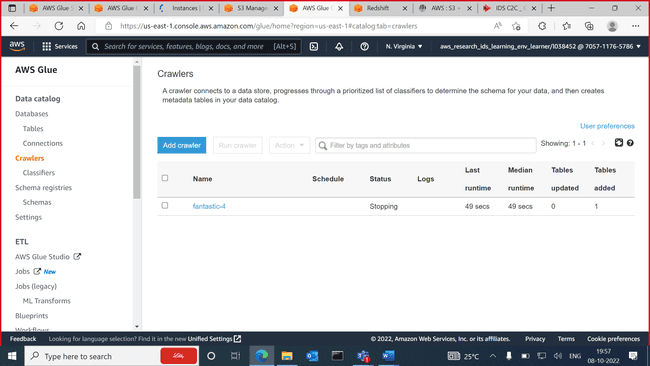
Run crawler

Status 🡪 starting

A screenshot of a computer

Description automatically generated

Status 🡪 stopping

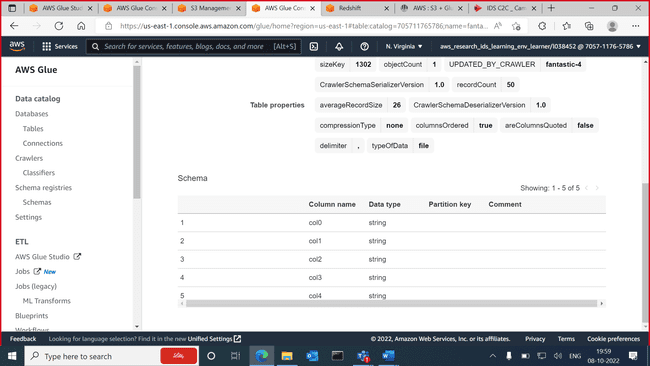


Under tables our bucket is visible

A screenshot of a computer

Description automatically generated

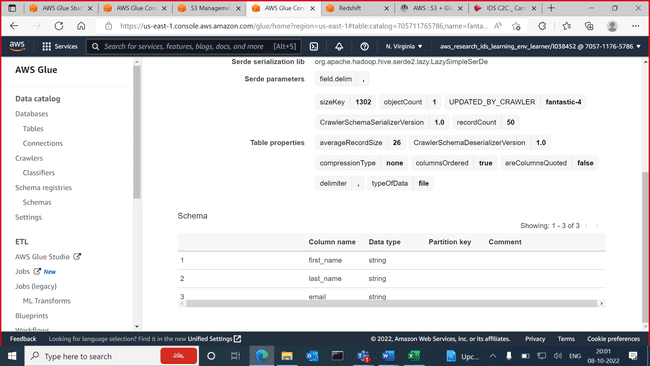
Csv file uploaded can be seen -



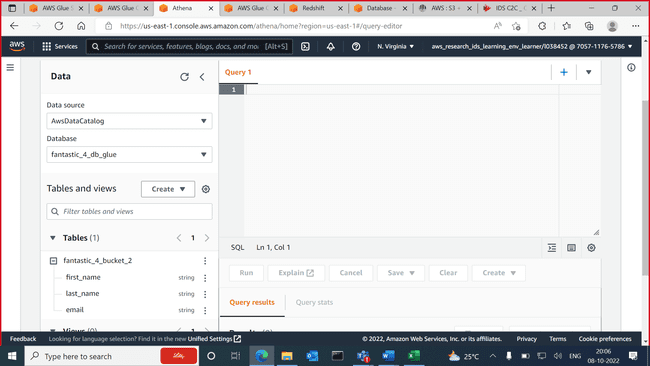
Edited the schema of the table

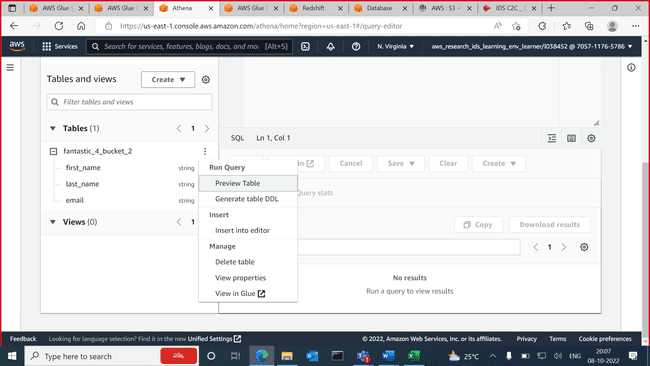
A screenshot of a computer

Description automatically generated



Athena – query editor

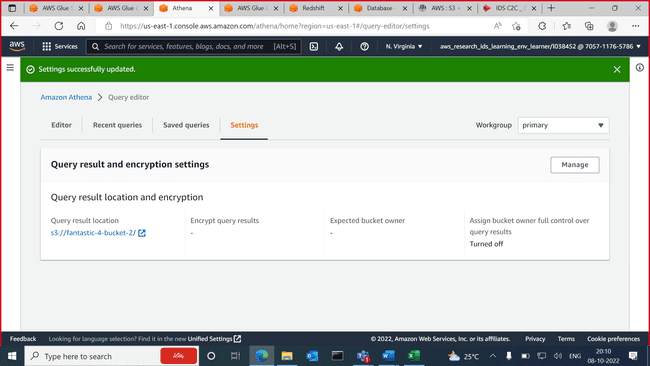




Edit settings 🡪 add the new bucket source

A screenshot of a computer

Description automatically generated

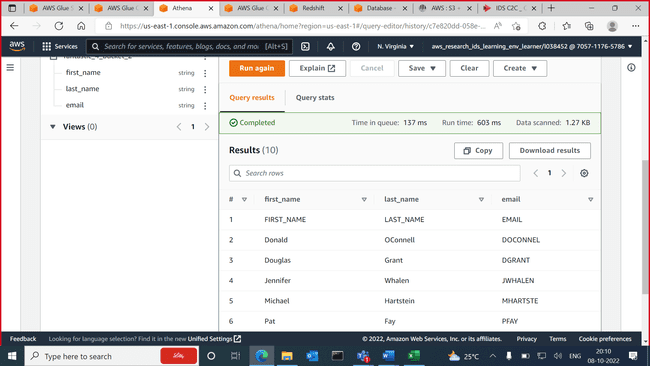


Query editor

A screenshot of a computer

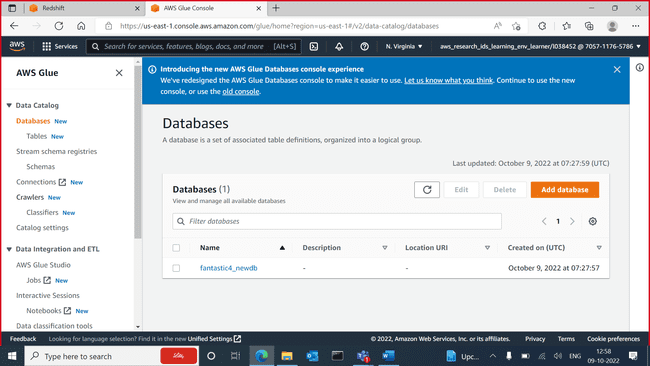
Description automatically generated

Our table is displayed -

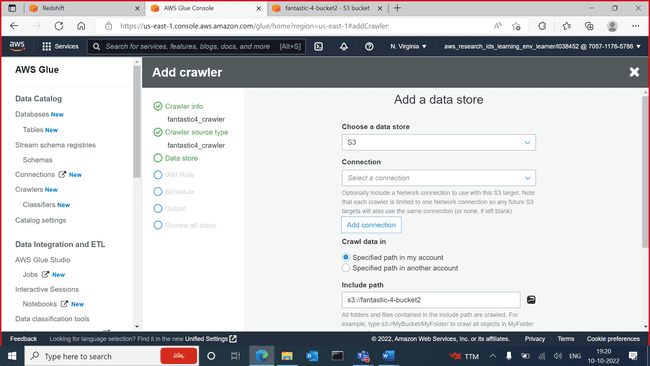


Redshift

Created new database



Data source for 1st crawler 🡪 S3

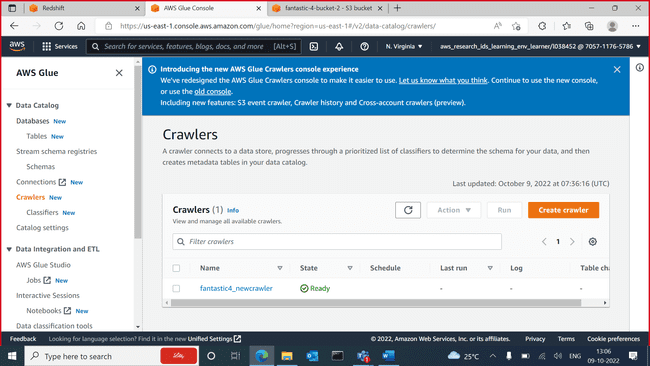


A screenshot of a computer

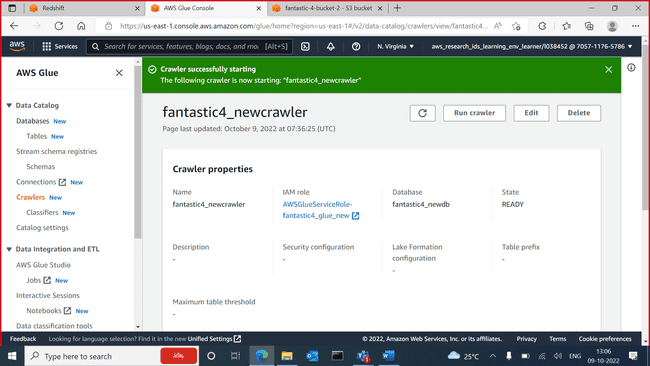
Description automatically generated

A screenshot of a computer

Description automatically generated



Run crawler



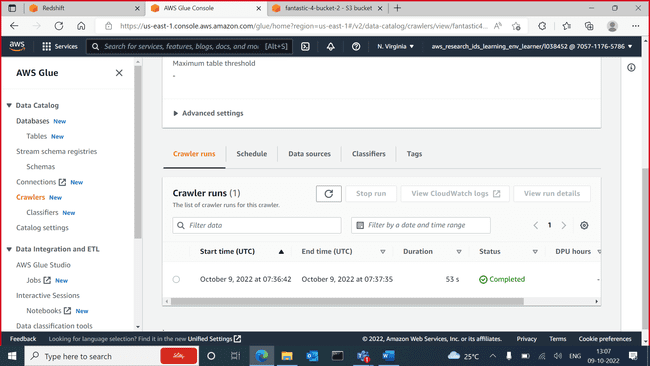
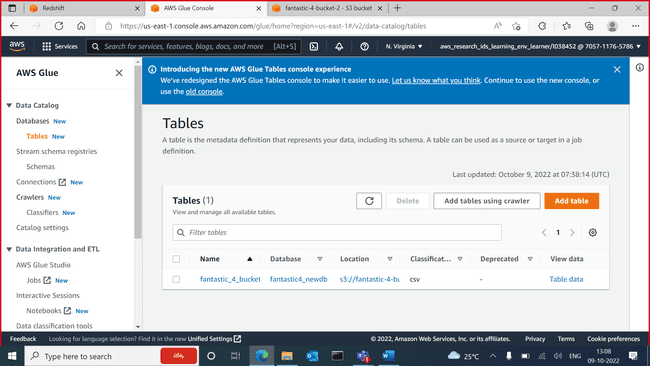
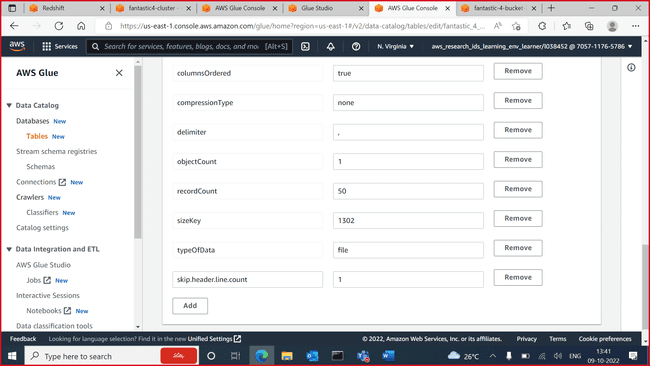


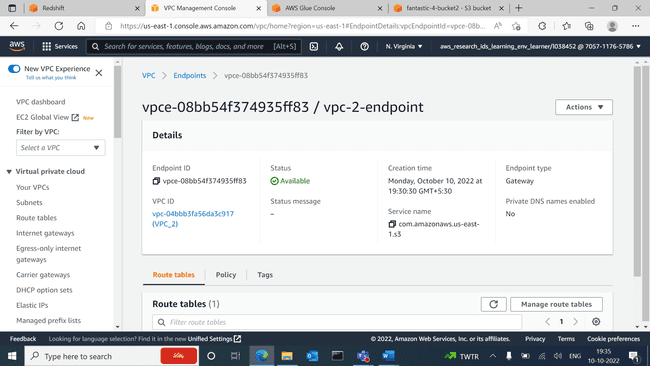
Table is displayed



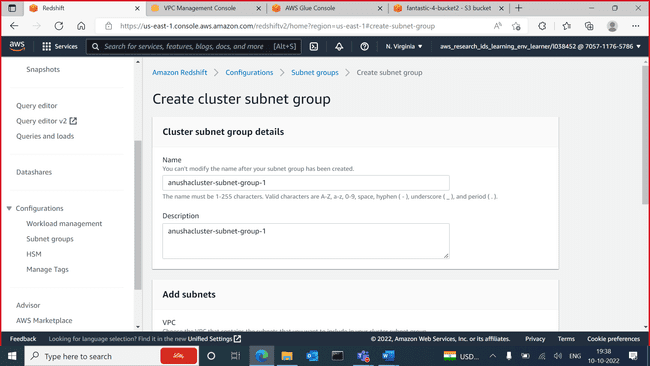
Edit the table



New endpoint created

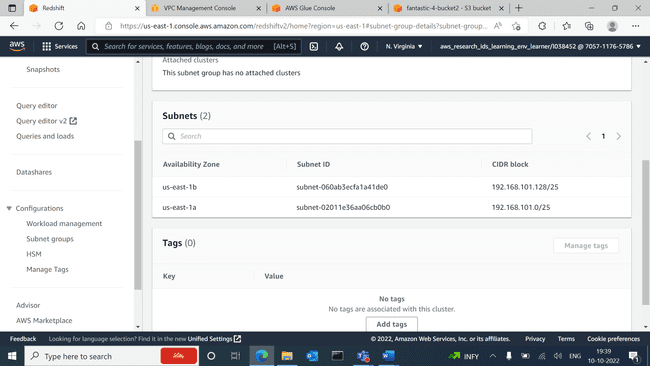


Cluster subnet group creation

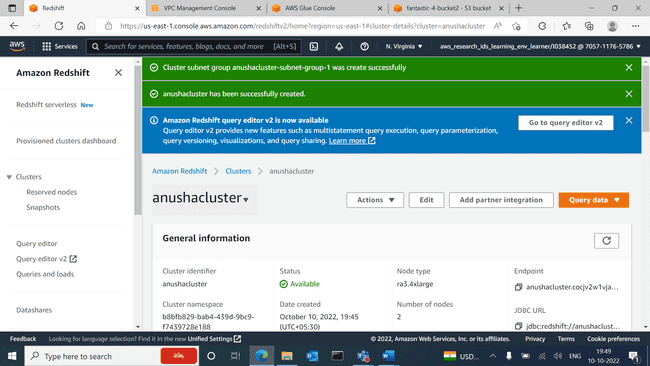


Graphical user interface, text, application

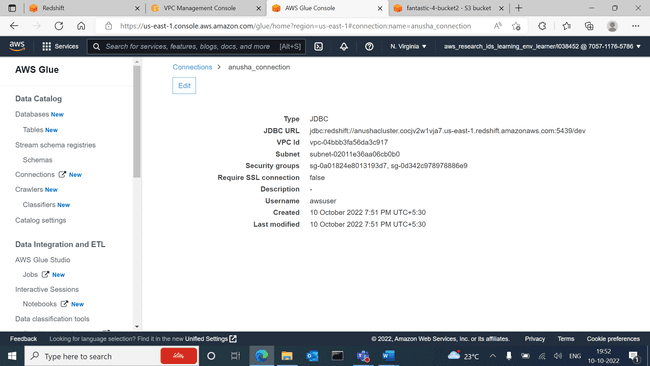
Description automatically generated



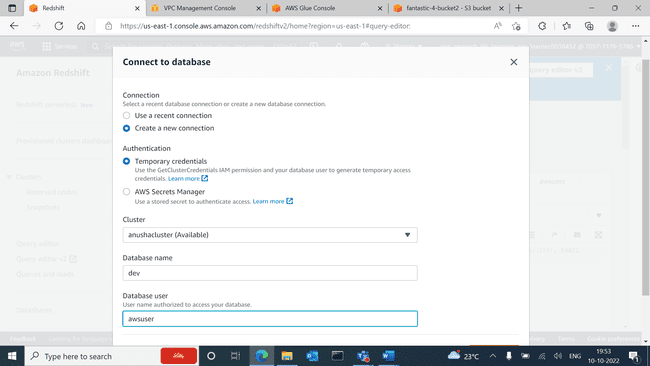
Redshift cluster created



Connection created



Redshift 🡪 change connection



A screenshot of a computer

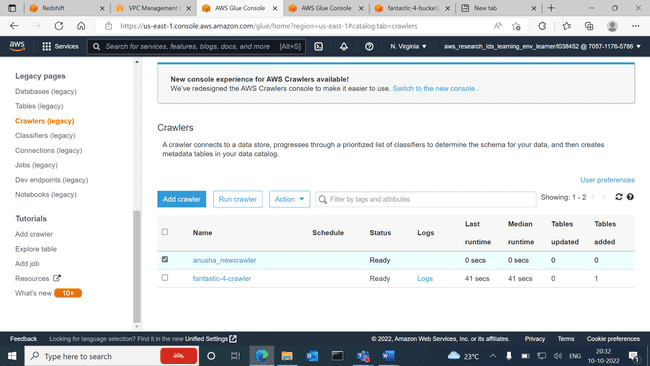
Description automatically generated

New crawler creation

A screenshot of a computer

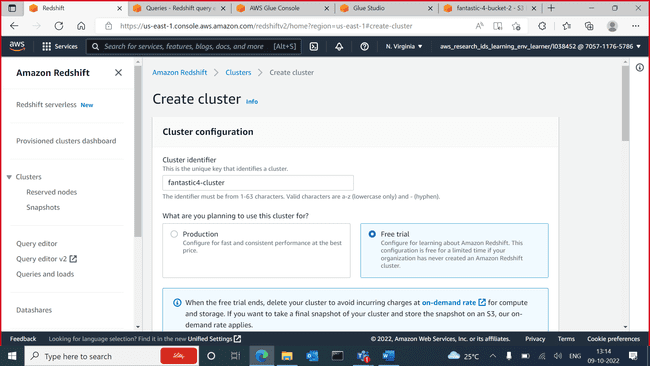
Description automatically generated

New crawler created



Redshift

Cluster created-



Cluster created

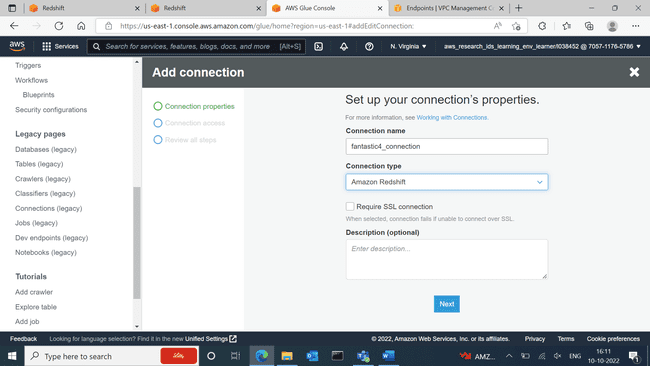
A screenshot of a computer

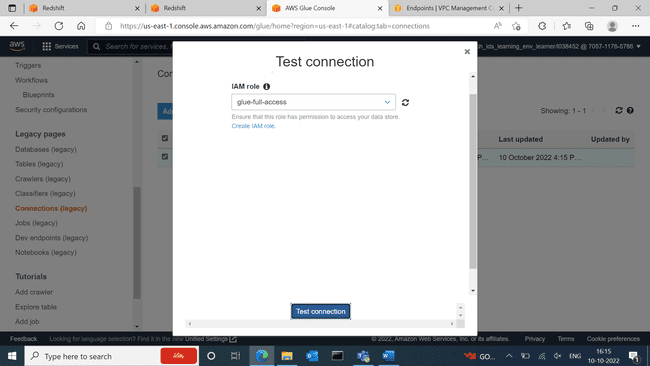
Description automatically generated

Cluster subnet creation

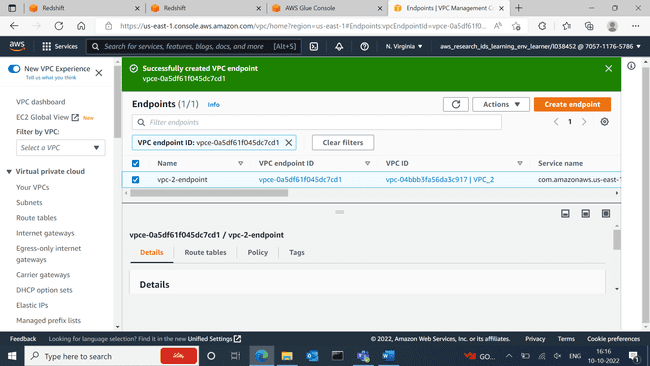
Graphical user interface, text, application

Description automatically generated

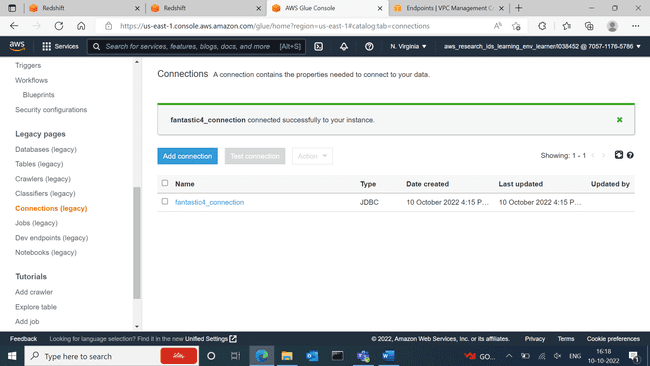




New endpoint



Connection created

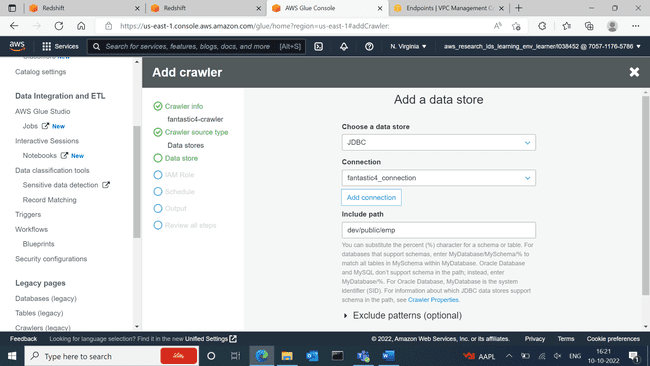


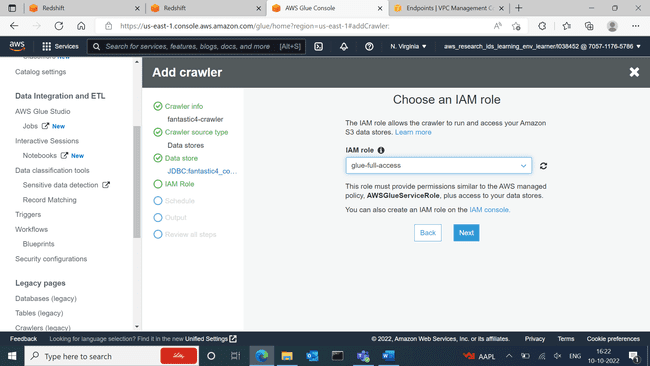
Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

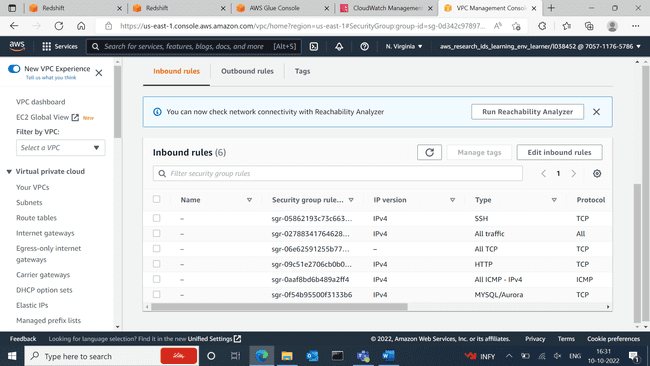
Description automatically generated



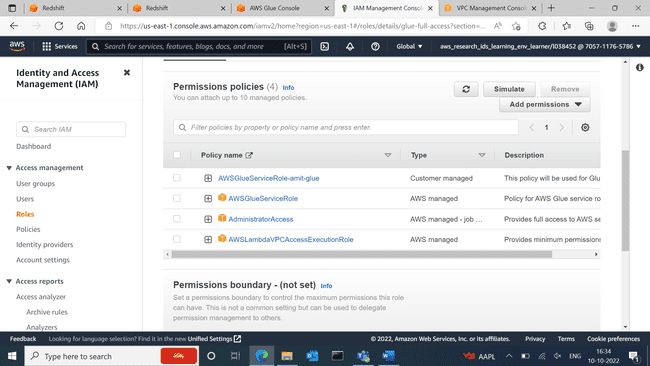


Graphical user interface, text, application, website

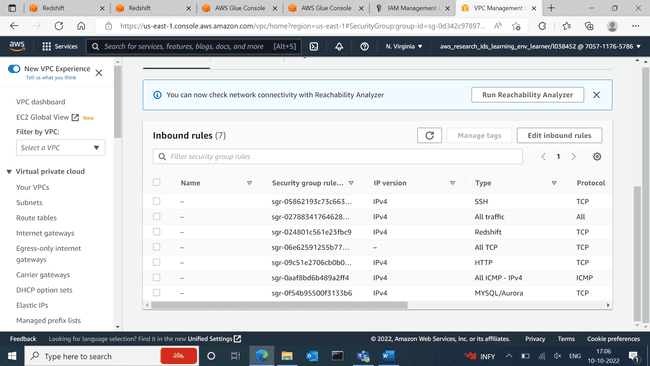
Description automatically generated



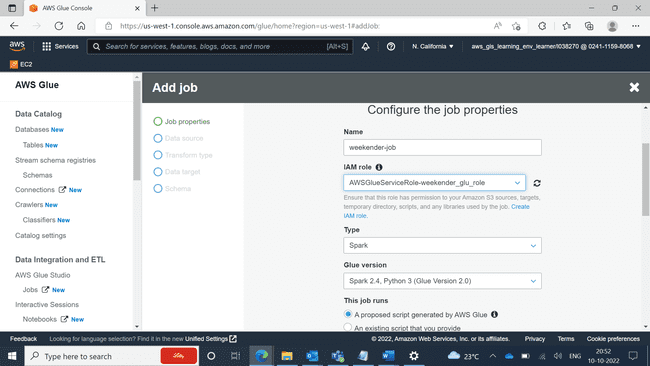
Glueservice role



Cluster 🡪 VPC must be 2 – subnet grp 🡪



Created JOB



JOB created

