Name : Saurabh Sanjay Jadhav

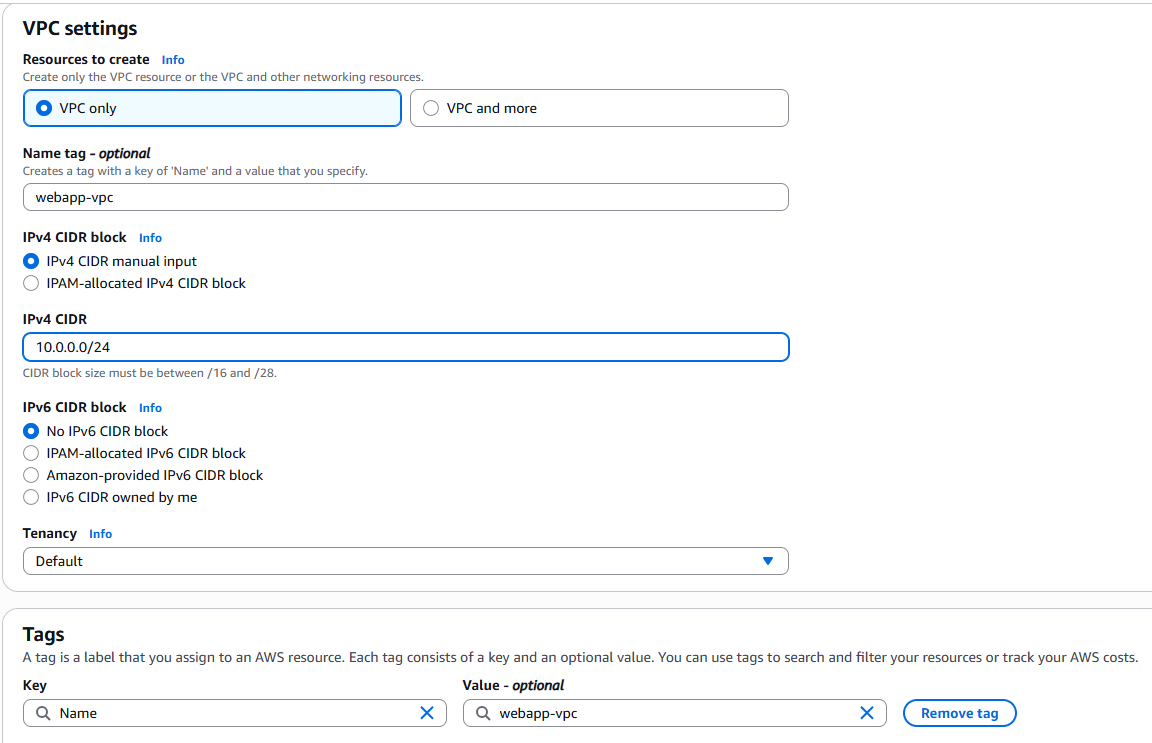
Topic : VPC endpoint.

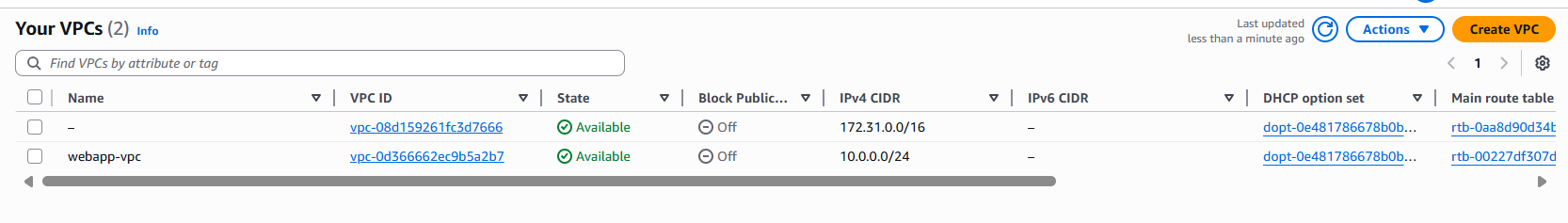
Assignment no. : 19

1. Create VPC network.

Name : webapp-vpc

IPv4 CIDR : 10.0.0.0/24

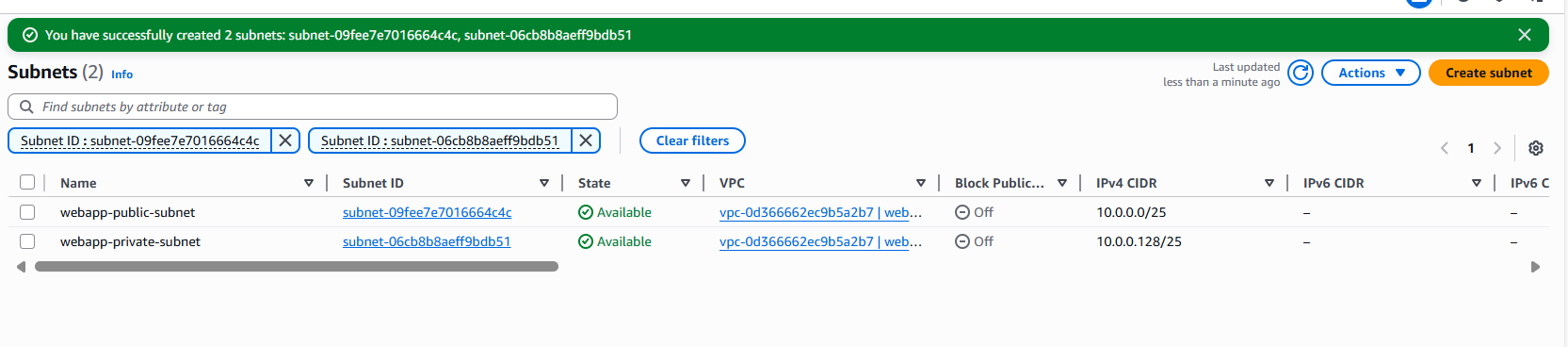




1. Create 2 subnets pubic and private in vpc.

Public subnet CIDR : 10.0.0.0/25

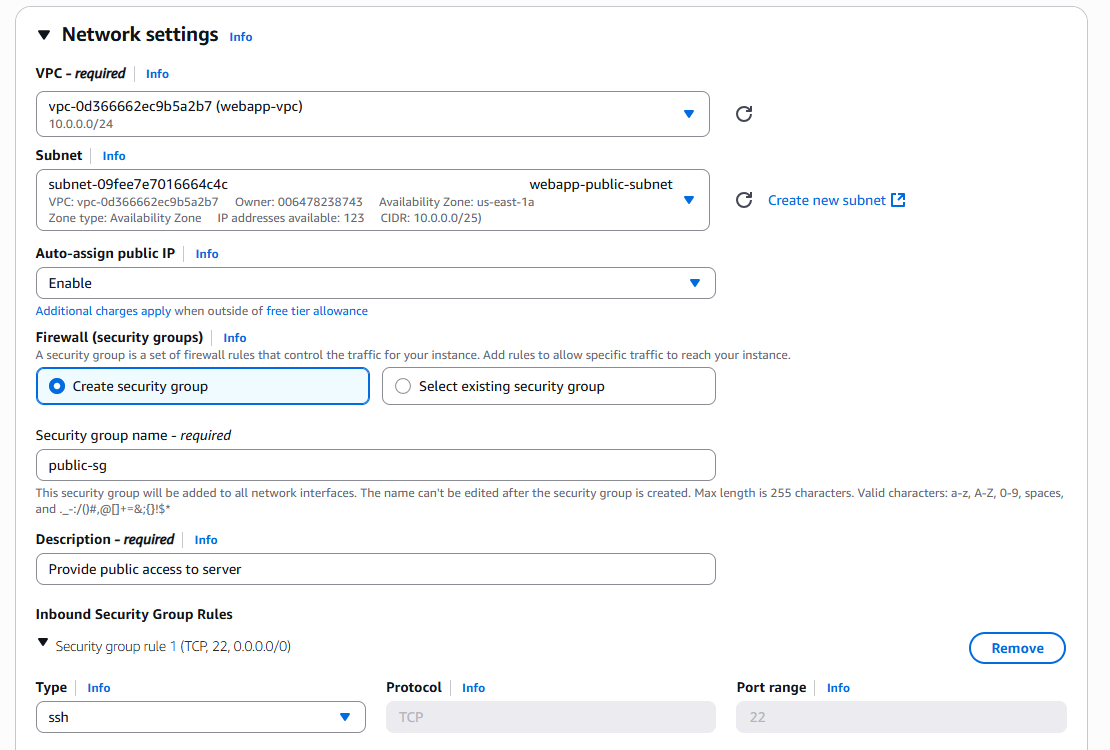
Private subnet CIDR : 10.0.0.128/25



1. Create two EC2 instances.
2. In public subnet:

Name : webapp-server

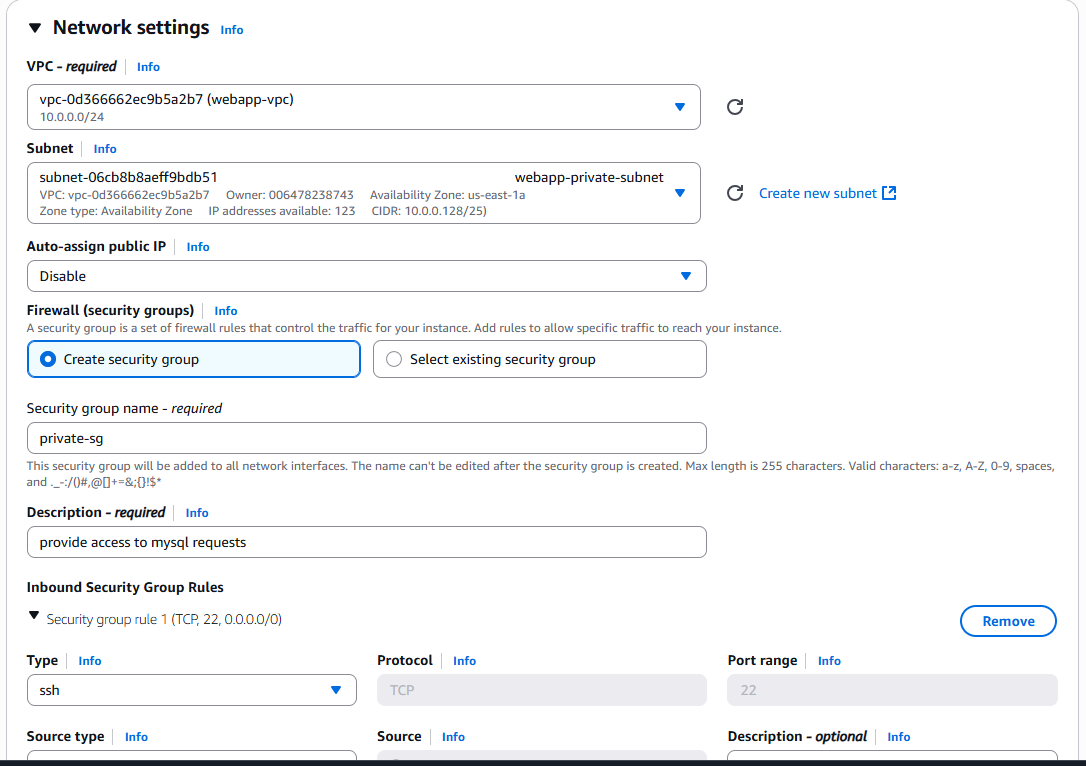
In network config select vpc, select public subnet, create security group with public access and enable auto-assign public IP



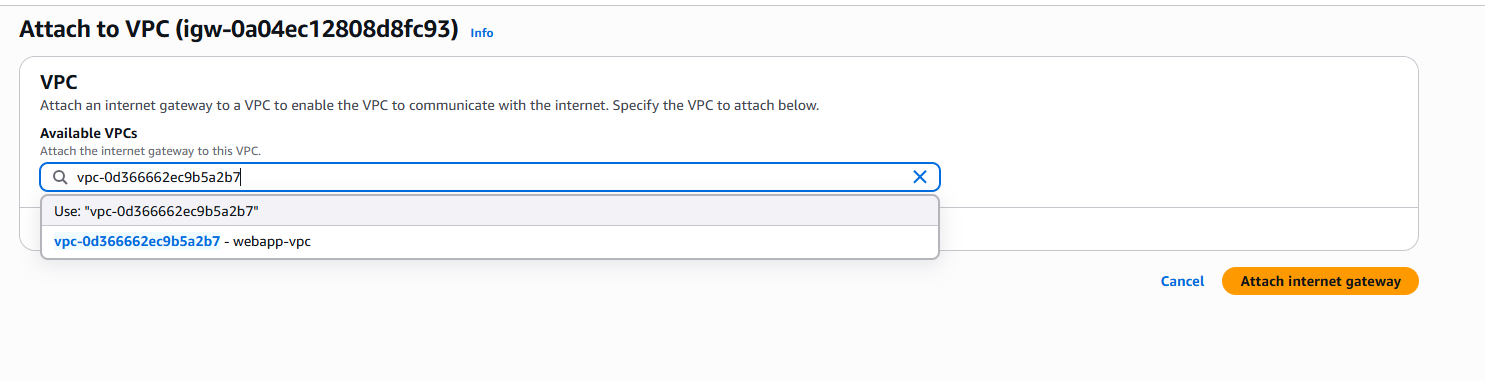
1. In private subnet:

Name: database-server

In the network settings select the webapp-vpc, select private subnet and assign security with access to MYSQL request.

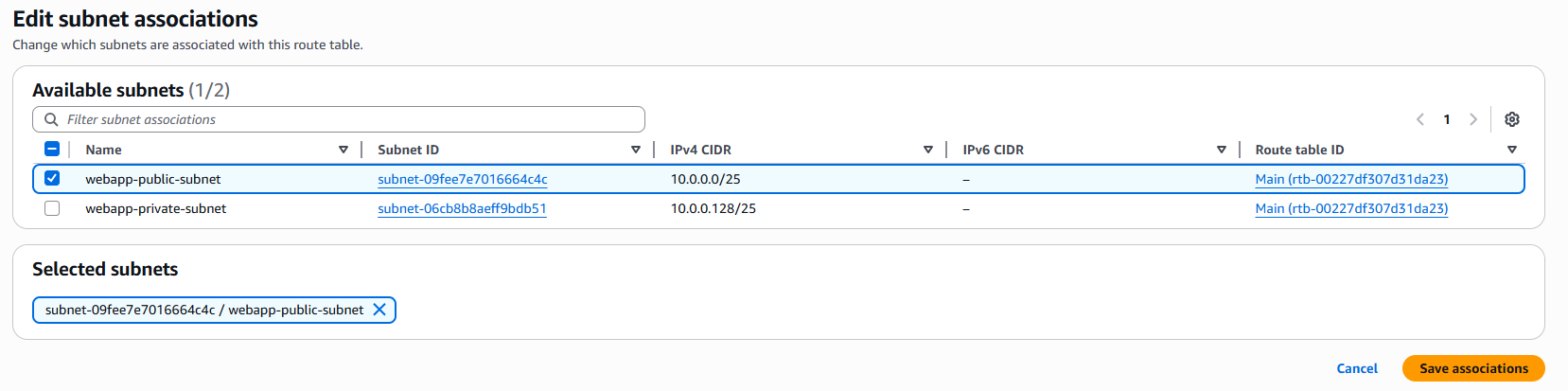


1. Create internet gateway and attach it to webapp-vpc.



1. Create route table for public-subnet to internetgateway.

Associate the public subnet to route table.

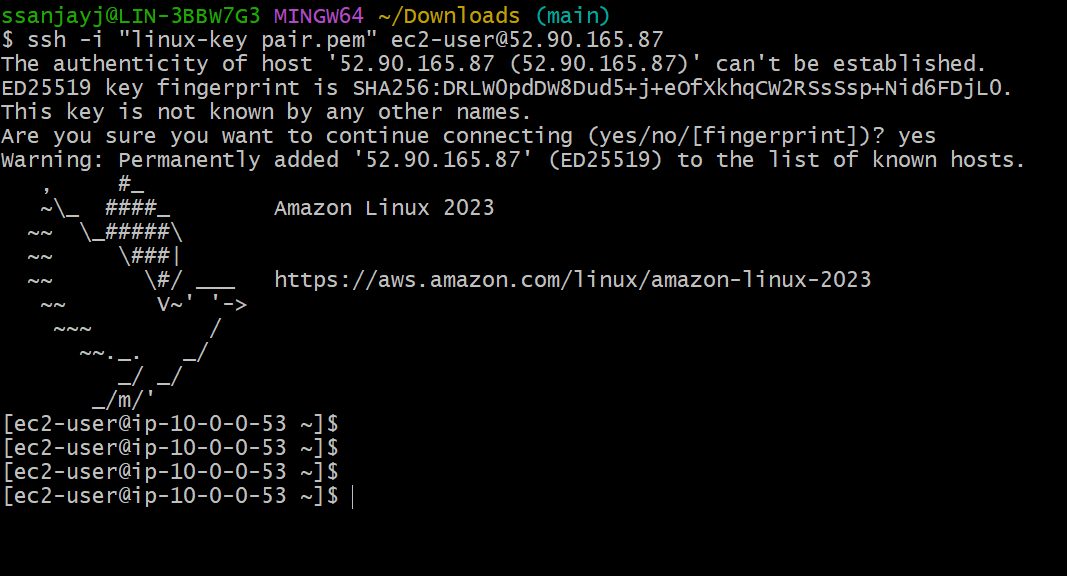


Add route to Internet gateway.

A screenshot of a computer

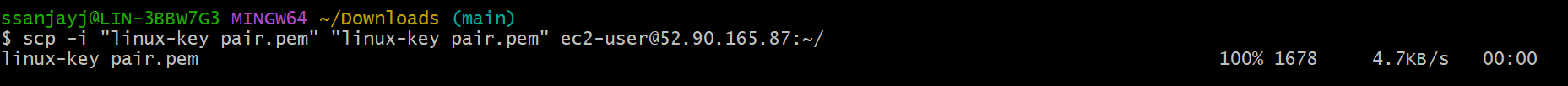
AI-generated content may be incorrect.

1. Able to connect to webapp-server.

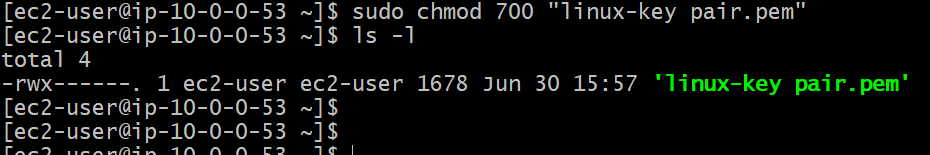


1. Try to connect to database-server in private subnet.
2. Copy the key-pair file from local to webapp-sever(in public subnet)

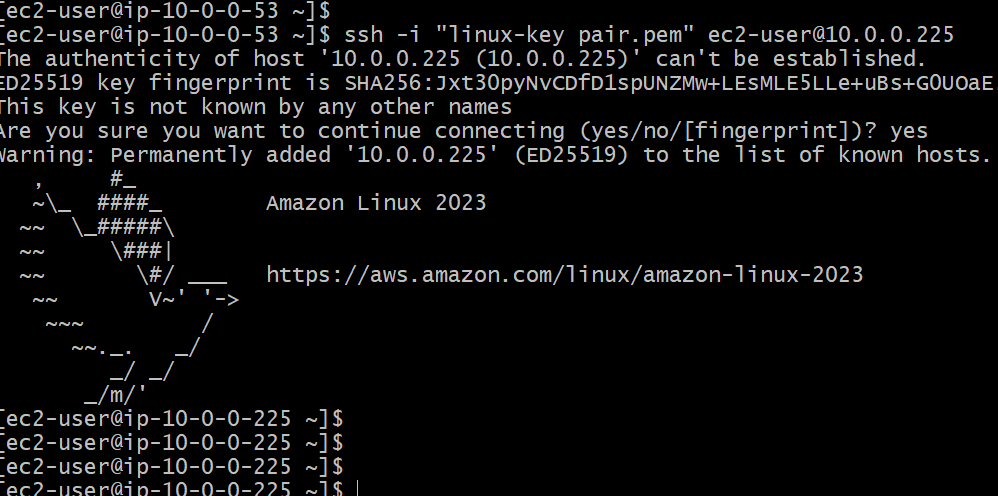
scp -i "linux-key pair.pem" "linux-key pair.pem" ec2-user@52.90.165.87:~/



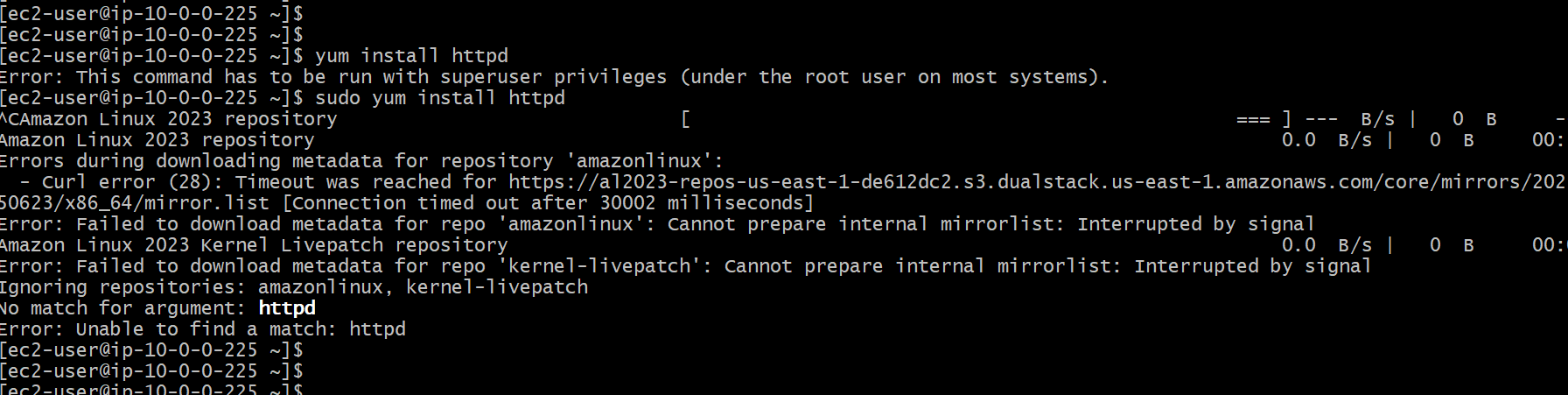
1. Change the file permission for key-pair file.



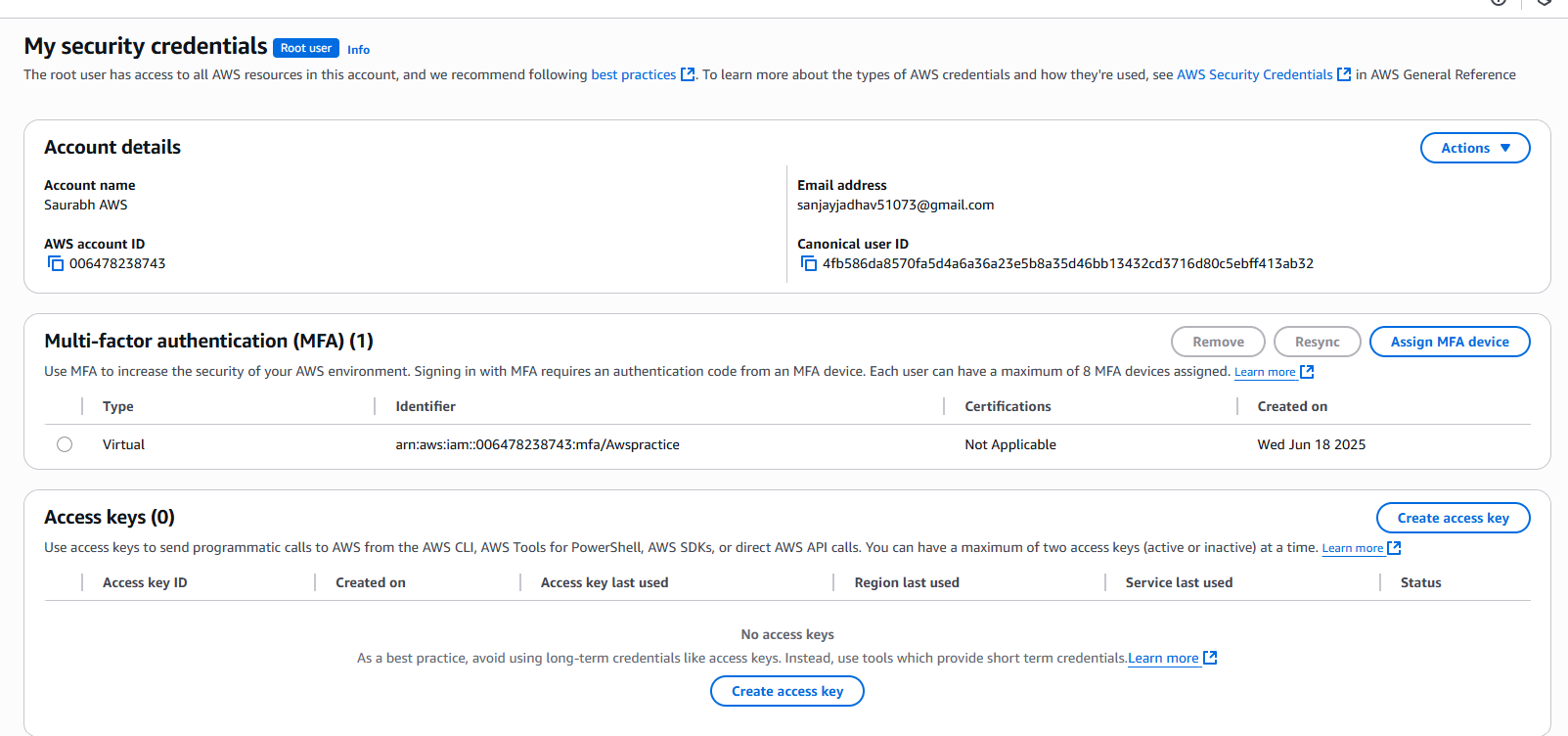
1. Able to connect to database-server.



1. But unable to access internet or install package.



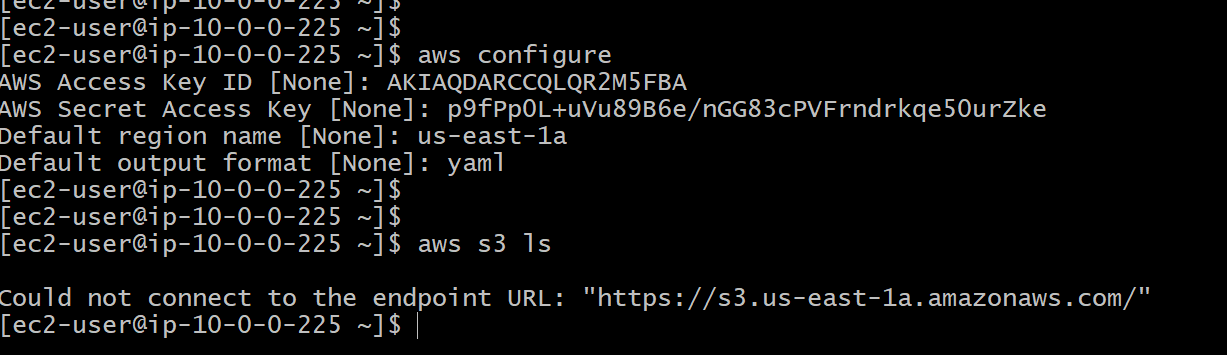
1. Create access key for aws configure login



A screenshot of a computer screen

AI-generated content may be incorrect.

1. We have credentials but could not connect to s3 endpoint.



1. Create endpoint.

Name: webapp-s3-endpoint

Type: AWS service

Select the service : s3

Network : webapp-vpc

Route table: webapp-publicsubnet-to-IGW

A computer screen shot of a browser

AI-generated content may be incorrect.

1. Finally we are able to create, list and remove s3 bucket using database server.

