AWS May Batch Major Project

Problem Statement: Create a group in IAM and give relevant permissions to perform the below tasks.

Create a user and add the user to the above-created group and perform the below task from logging into the user.

Create an architecture of 2 subnets in a VPC, one internet-facing and the other one private.

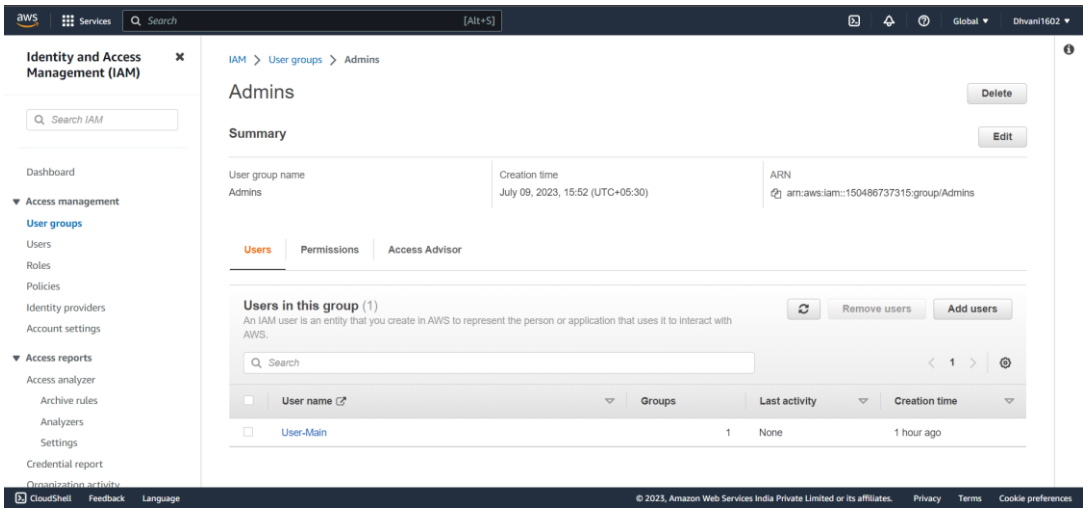
Launch 1 server in each subnet.

SSH into internet facing server and then SSH into the private server from internet facing server.

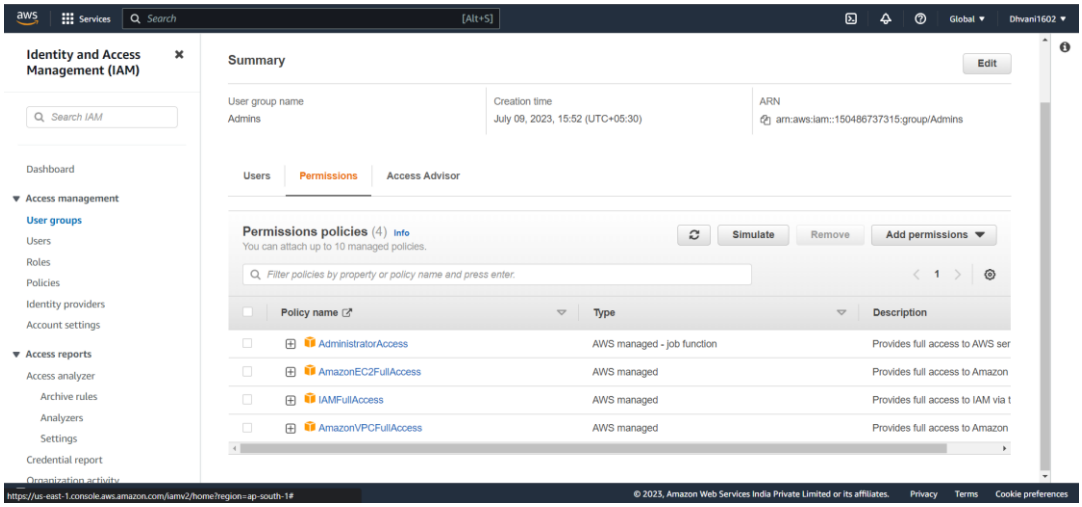
Each subnet should have at least 125 usable IPs. Make sure to launch Linux servers and select t2.micro to be in the free tier.

Note - Make sure to deploy the subnets in different availability zones.

Output:

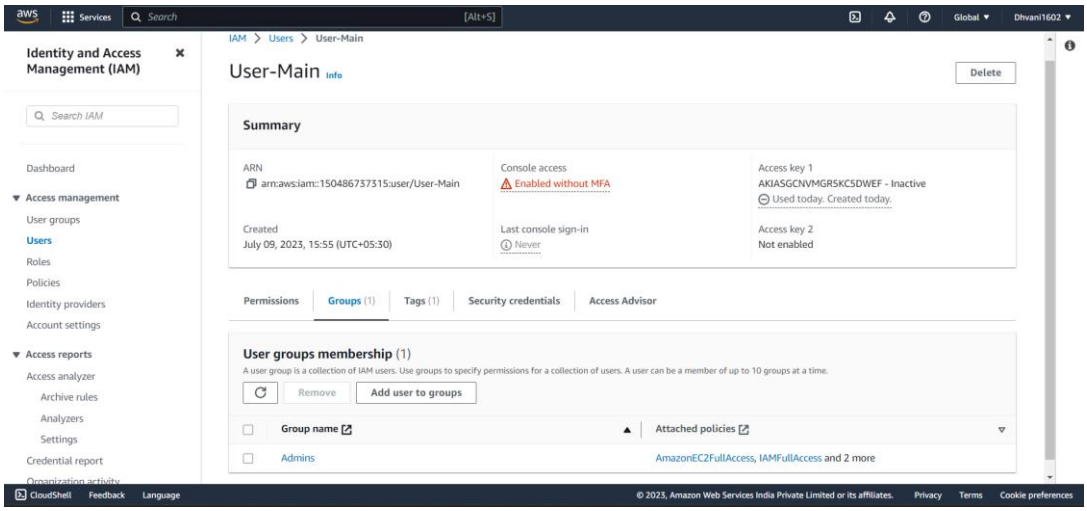


IAM Group Name “Admins” Created



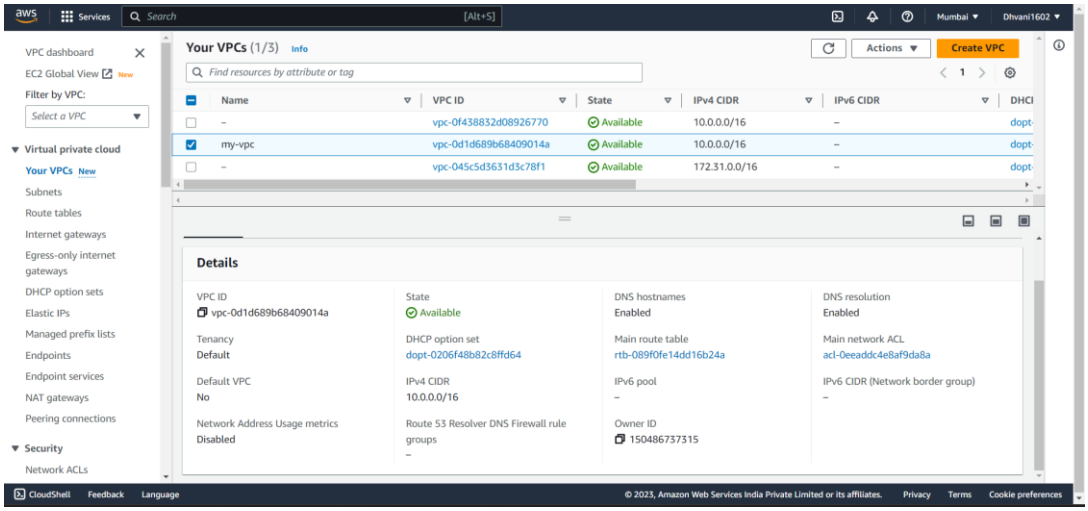
Required Permissions Given

Here, an IAM Group named “Admins” is created. The group is given all required permissions.



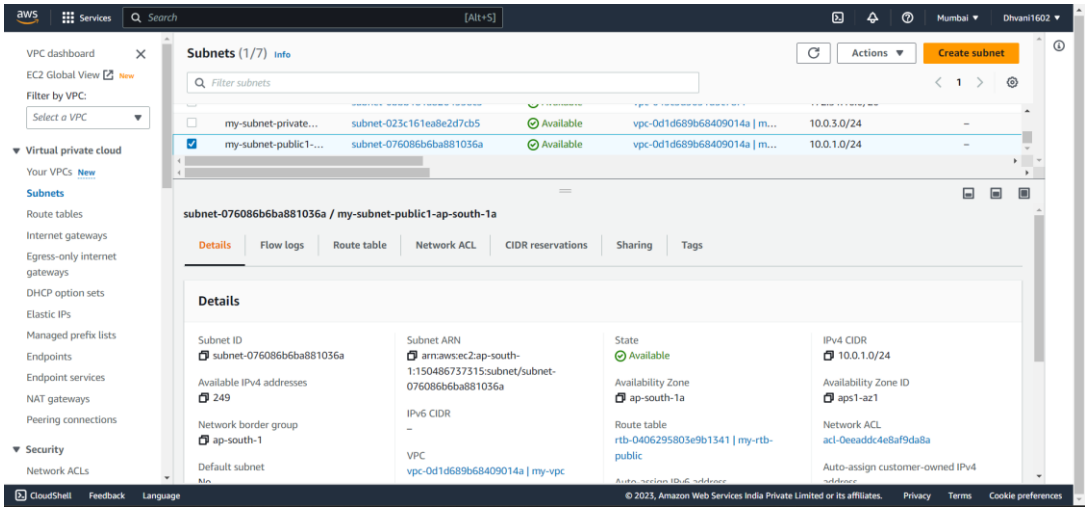
User “User-Main” Created

Now, a user named “User-Main” is created. The user is then added to the group “Admins” to provide access



VPC Name “my-vpc” created

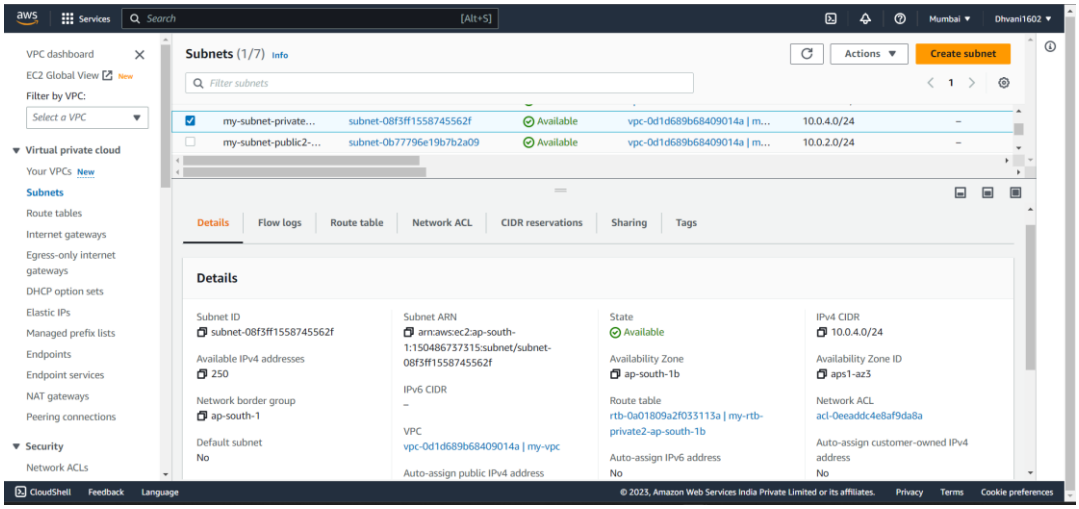
Here, VPC named “my-vpc” is created. VPC is given the appropriate CIDR range.



Public Subnet

Public Subnet is shown here. It has required IPV4 addresses available.

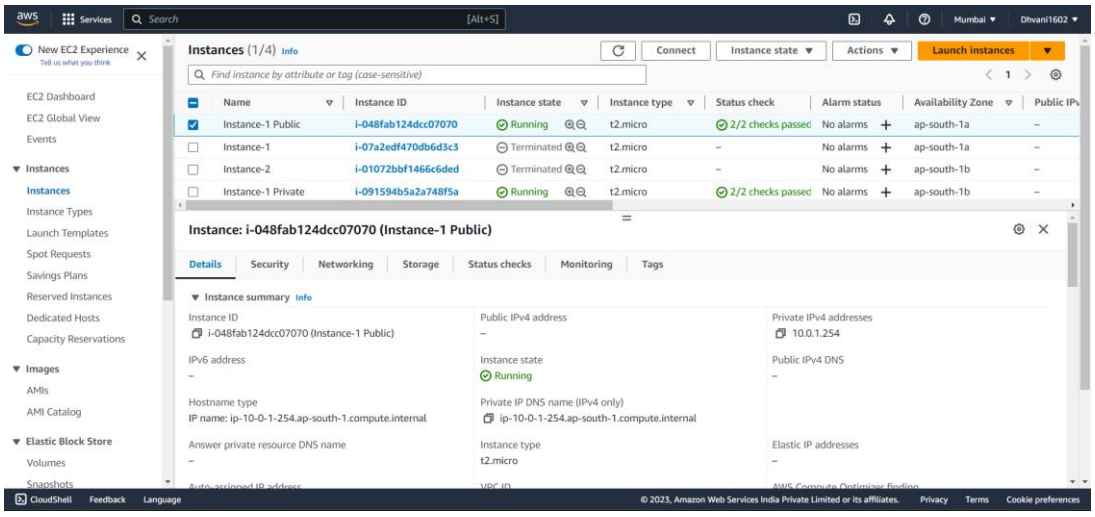
Availability Zone is ap-south-1a.



Private Subnet

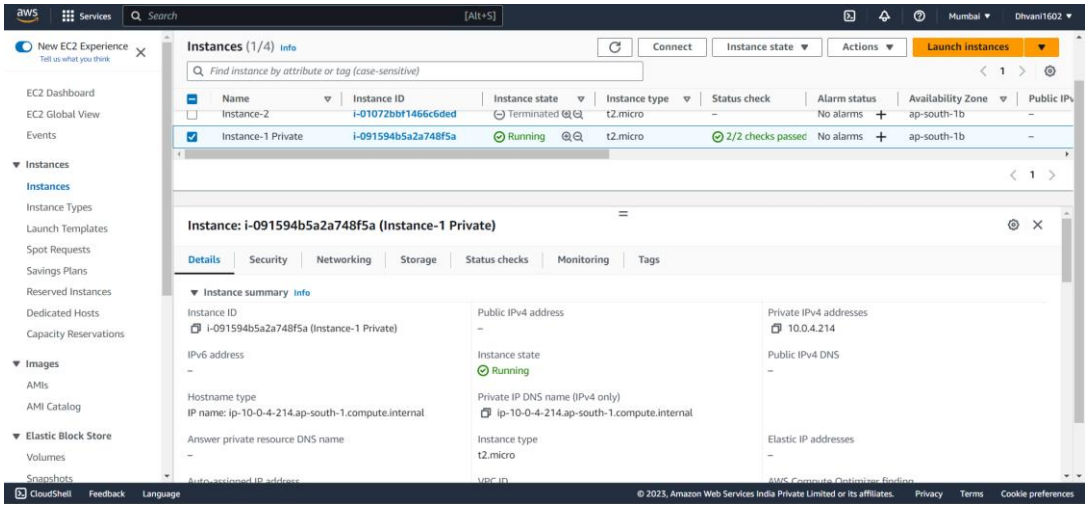
Private Subnet is shown here. It has required IPV4 addresses available.

Availability Zone is ap-south-1b.



Server in Public Subnet

Shown here is the “Instance-1 Public” server, deployed in the public subnet.



Server in Private Subnet

Shown here is the “Instance-1 Private” server, deployed in the private subnet.

Conclusion:

Hence, the architecture required in the problem statement is created.

1. IAM Group
2. IAM User
3. VPC
4. Subnets
5. Servers