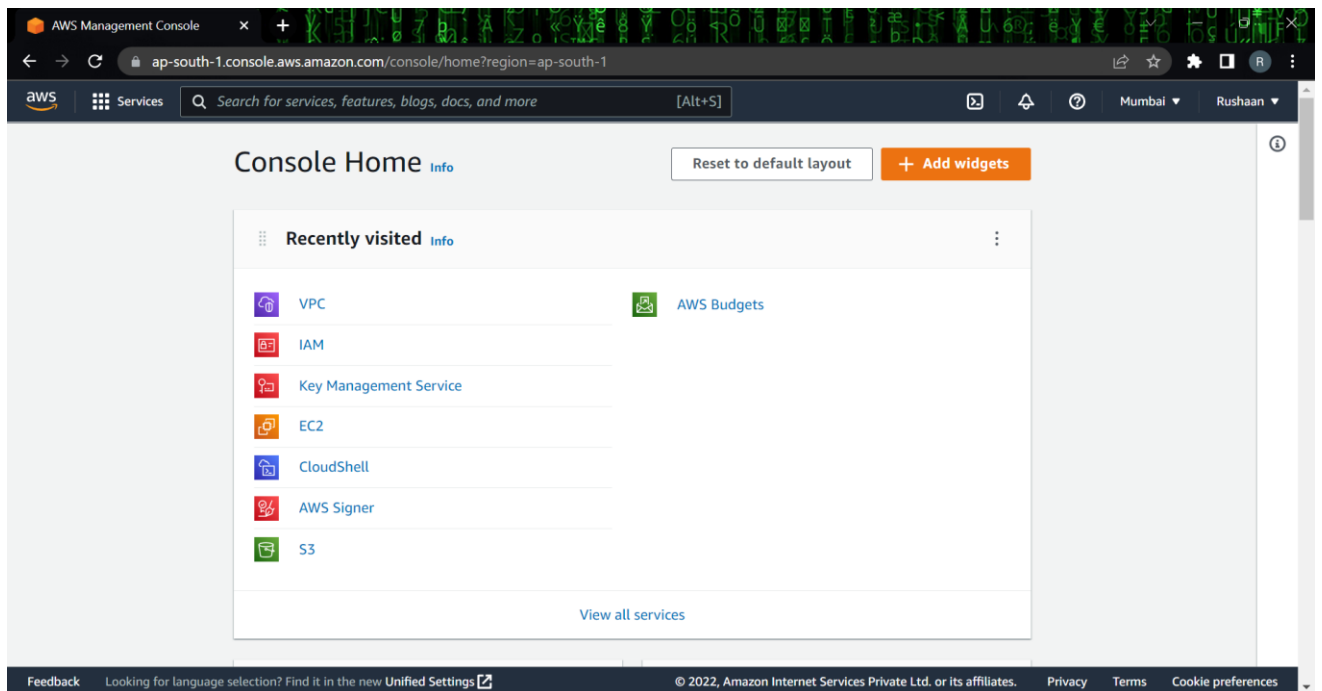


## Experiment 3 - Configuring Virtual Private Cloud VPC & Troubleshoot a VPC

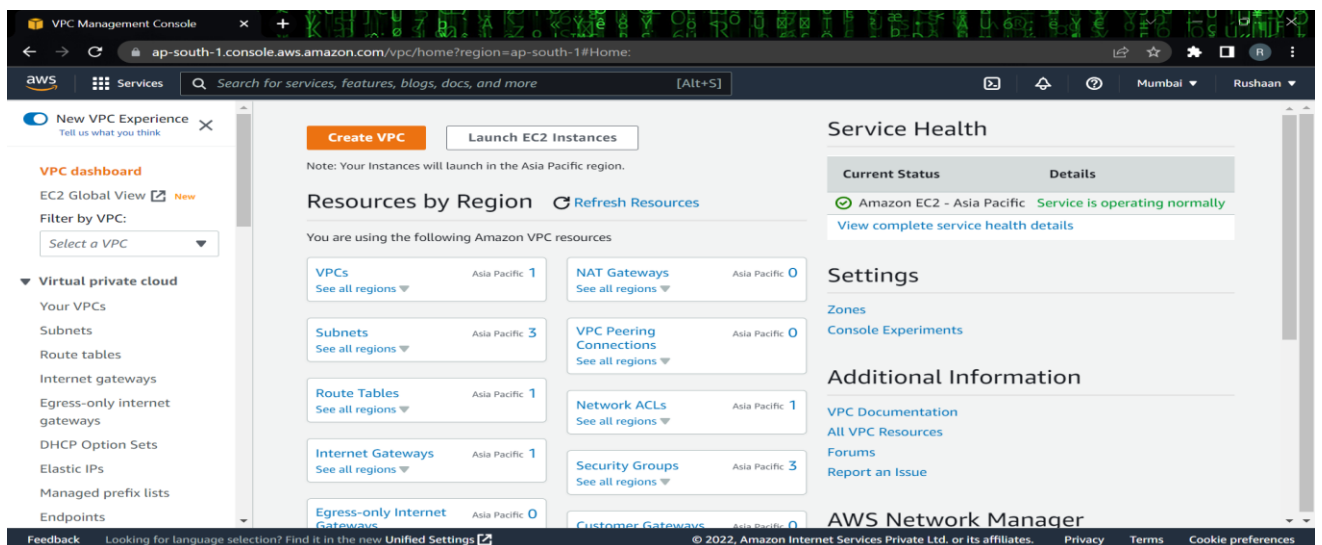
**AIM:** To configure a Virtual Private Cloud VPC & Troubleshoot a VPC

### **PROCEDURE:**

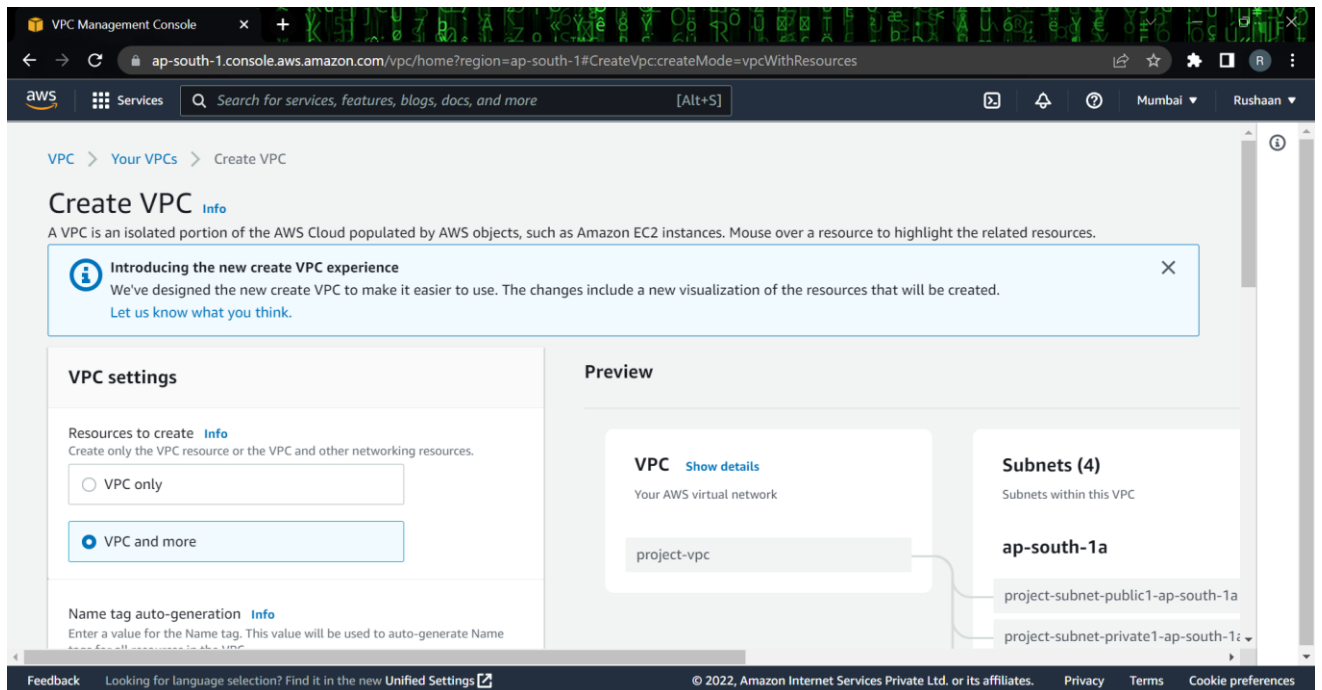
1. Firstly, open the AWS console homepage on browser (<https://aws.amazon.com/console/>).



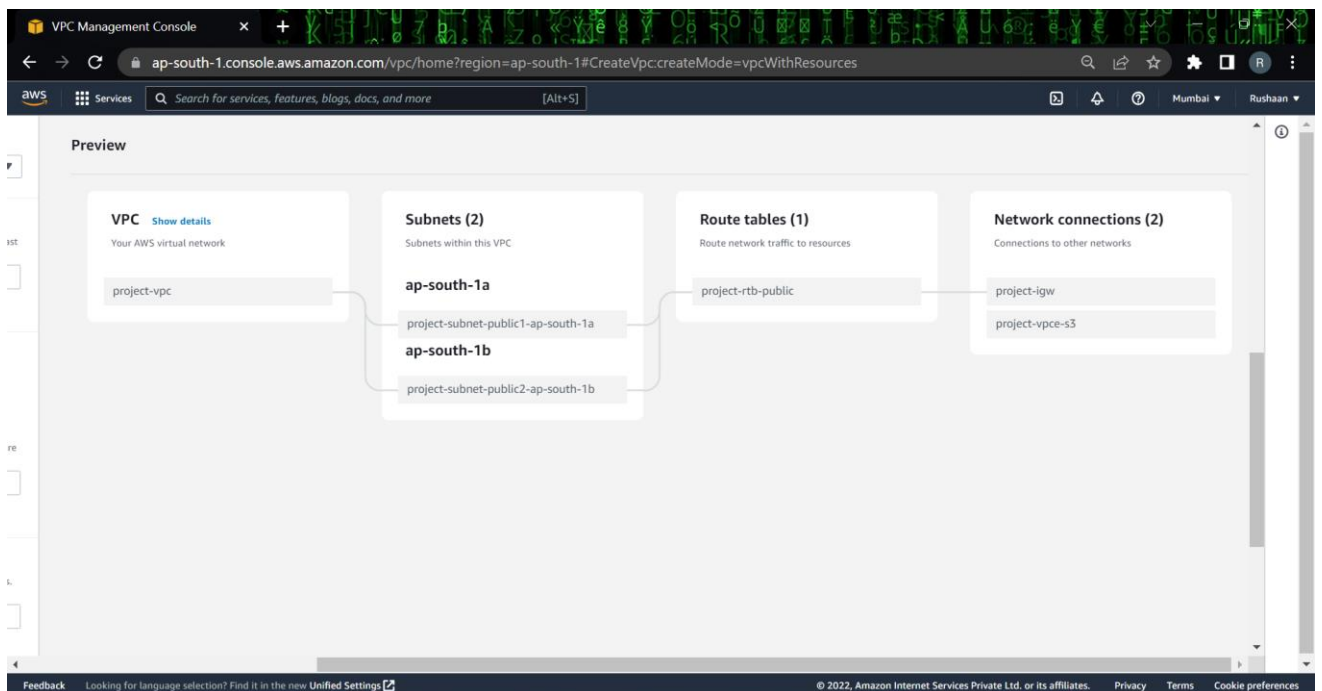
2. Search for VPC in the search bar and open the VPC dashboard page.



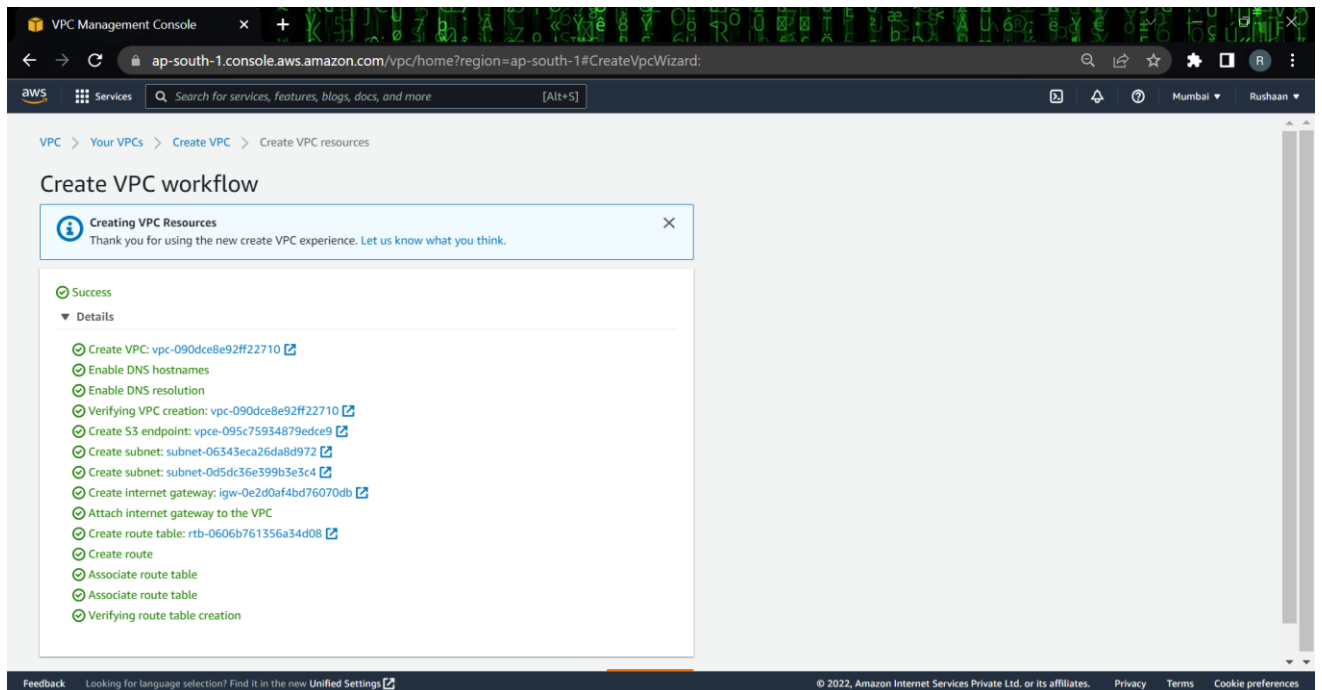
- To create a new VPC, click “Create VPC” and go to the Create VPC page.



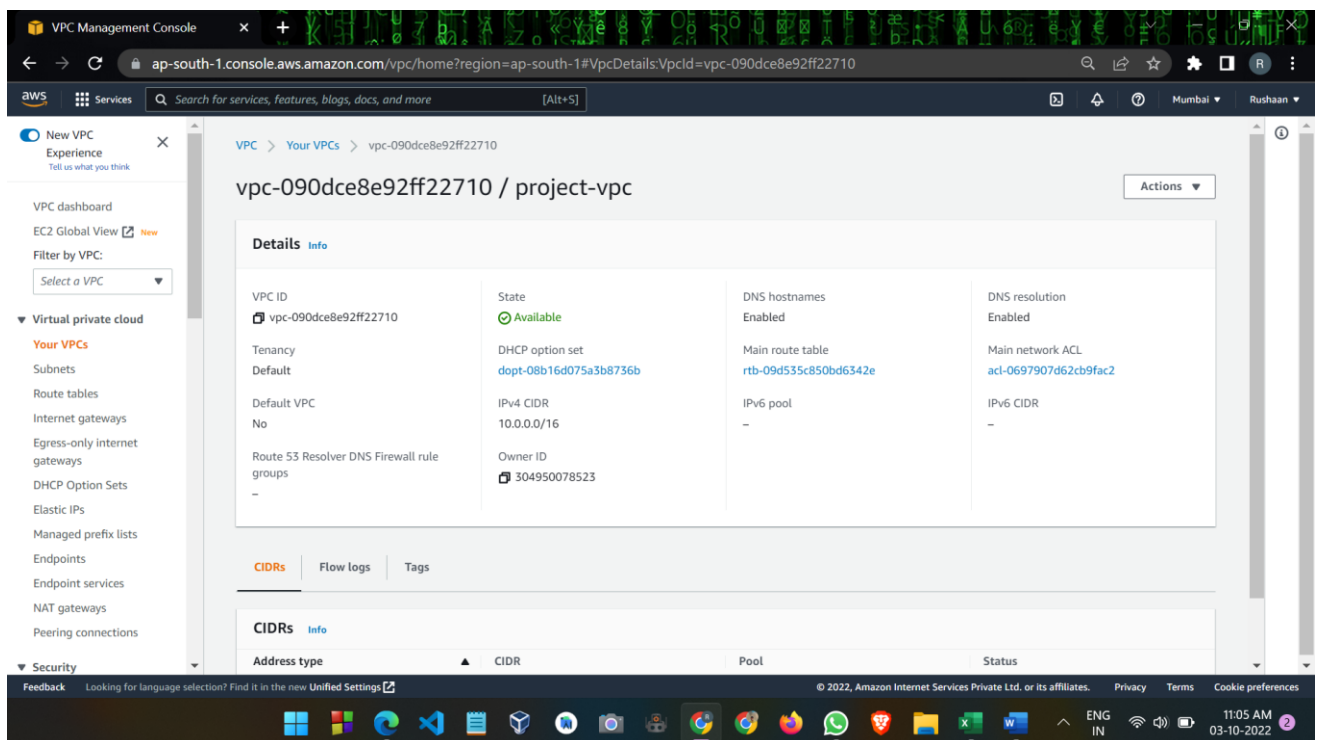
- Select the following configurations with appropriate VPC name.



- Click on “Create VPC” button and wait for your VPC to be created.



- Click on “View VPC” to view your VPC details.



7. Click on “Subnets” in the left side menu to view subnets of your VPC.

The screenshot shows the AWS Management Console for the 'Subnets' page. The left sidebar contains the navigation menu with 'Subnets' selected under the 'Virtual private cloud' section. The main content area displays a table of 5 subnets. The table has columns for Name, Subnet ID, State, VPC, IPv4 CIDR, and IPv6 CIDR. All subnets are in an 'Available' state. Below the table is a 'Select a subnet' section.

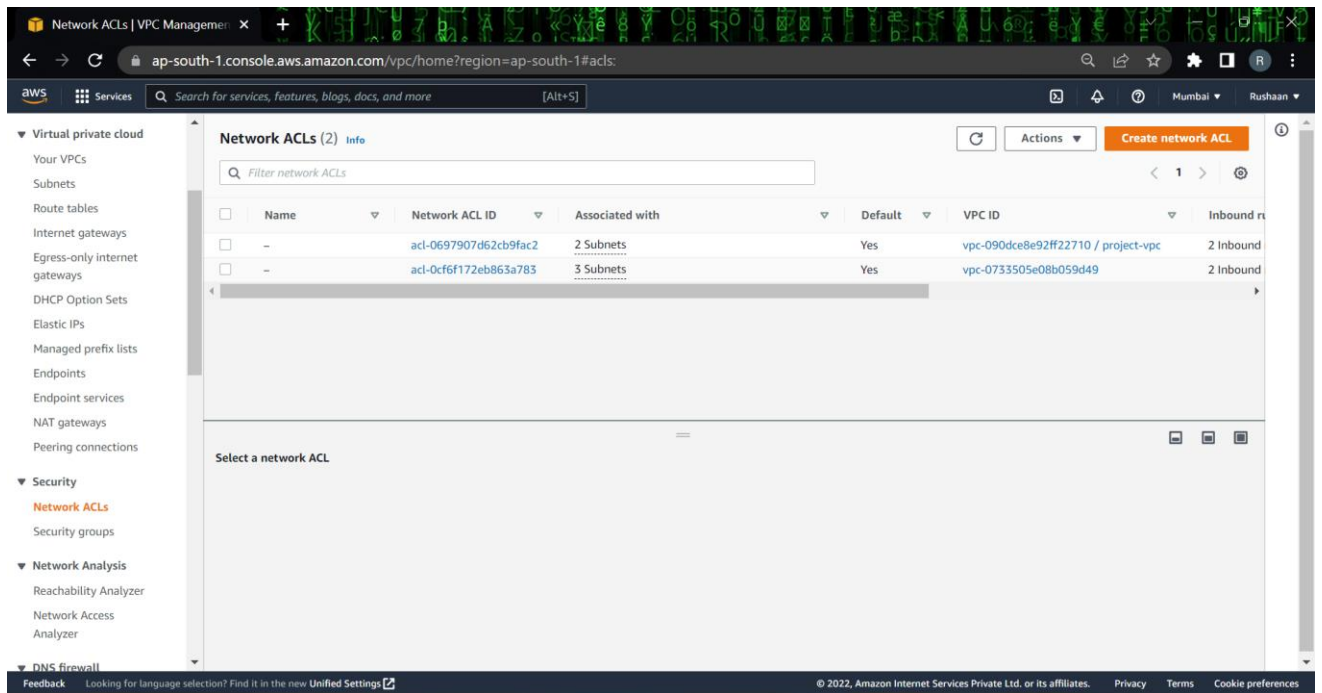
Name	Subnet ID	State	VPC	IPv4 CIDR	IPv6 CIDR
-	subnet-03bc6b694cd122a3f	Available	vpc-0733505e08b059d49	172.31.0.0/20	-
project-subnet-pub...	subnet-0d5dc36e399b3e3c4	Available	vpc-090dce8e92ff22710   proj...	10.0.16.0/20	-
project-subnet-pub...	subnet-06343eca26da8d972	Available	vpc-090dce8e92ff22710   proj...	10.0.0.0/20	-
-	subnet-0a1ccd302280b9f4f	Available	vpc-0733505e08b059d49	172.31.32.0/20	-
-	subnet-0ebff9063f7a0e09d	Available	vpc-0733505e08b059d49	172.31.16.0/20	-

8. Click on “Route Tables” in the left side menu to view route tables of your VPC.

The screenshot shows the AWS Management Console for the 'Route tables' page. The left sidebar contains the navigation menu with 'Route tables' selected under the 'Virtual private cloud' section. The main content area displays a table of 3 route tables. The table has columns for Name, Route table ID, Explicit subnet associat..., Edge associations, Main, VPC, and Owner... Below the table is a 'Select a route table' section.

Name	Route table ID	Explicit subnet associat...	Edge associations	Main	VPC	Owner...
-	rtb-00eb7594876930bc8	-	-	Yes	vpc-0733505e08b059d49	3049500...
project-rtb-public	rtb-0606b761356a34d08	2 subnets	-	No	vpc-090dce8e92ff22710   proj...	3049500...
-	rtb-09d535c850bd6342e	-	-	Yes	vpc-090dce8e92ff22710   proj...	3049500...

9. Click on “Network ACL’s” in the left side menu to view ACLs of your VPC.



## RESULT:

A Virtual Private Cloud (VPC) was successfully created and troubleshooted.