

MUDIT CHOUBISA

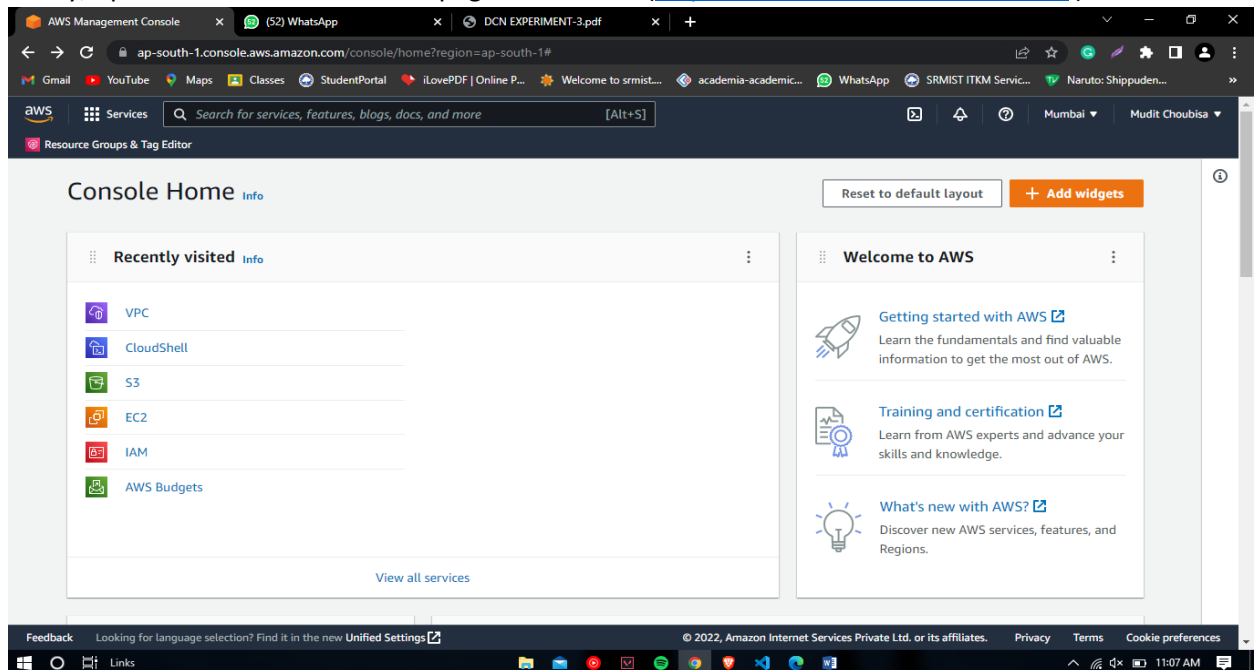
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## **Experiment 3 - Configuring Virtual Private Cloud VPC & Troubleshoot a VPC**

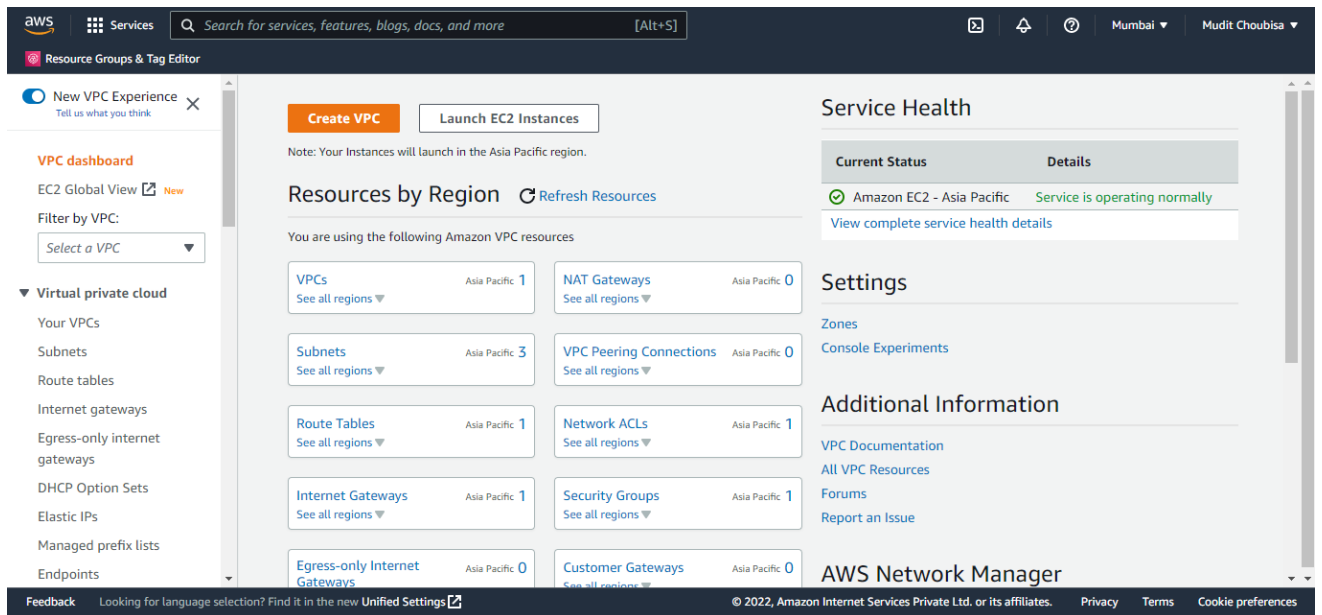
**AIM:** To configure a Virtual Private Cloud VPC & Troubleshoot a VPC

### **PROCEDURE:**

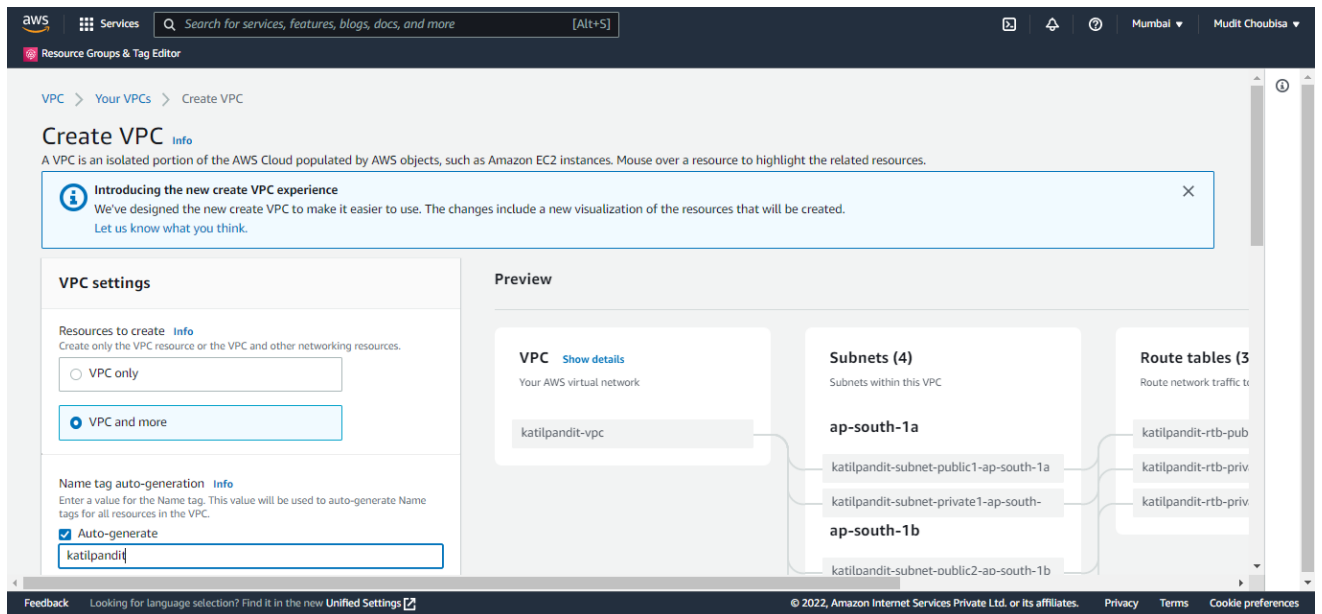
1. Firstly, open the AWS console homepage on browser (<https://aws.amazon.com/console/>).



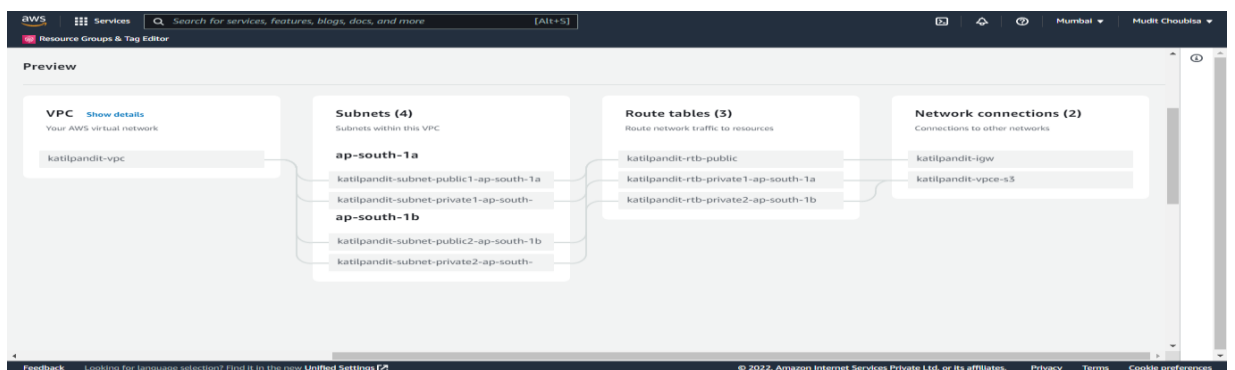
2. Search for VPC in the search bar and open the VPC dashboard page.



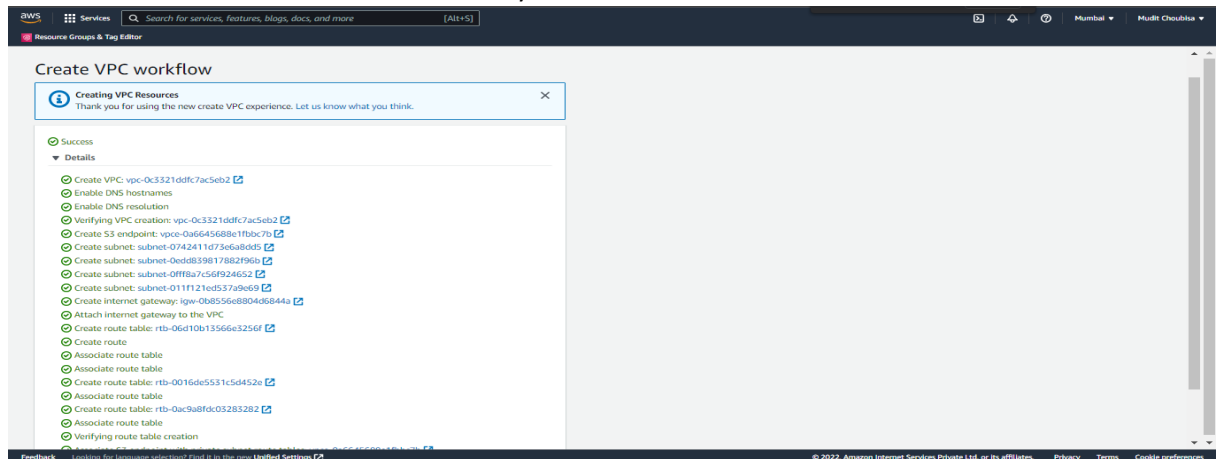
3. To create a new VPC, click “Create VPC” and go to the Create VPC page.



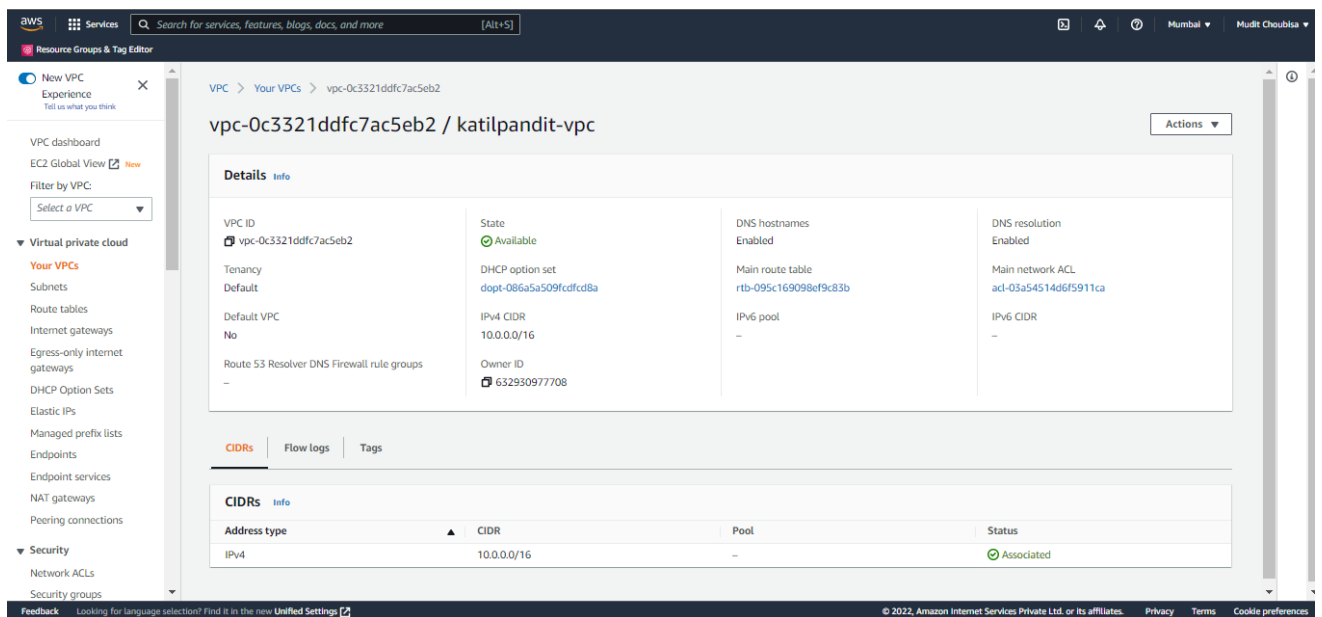
4. Select the following configurations with appropriate VPC name.



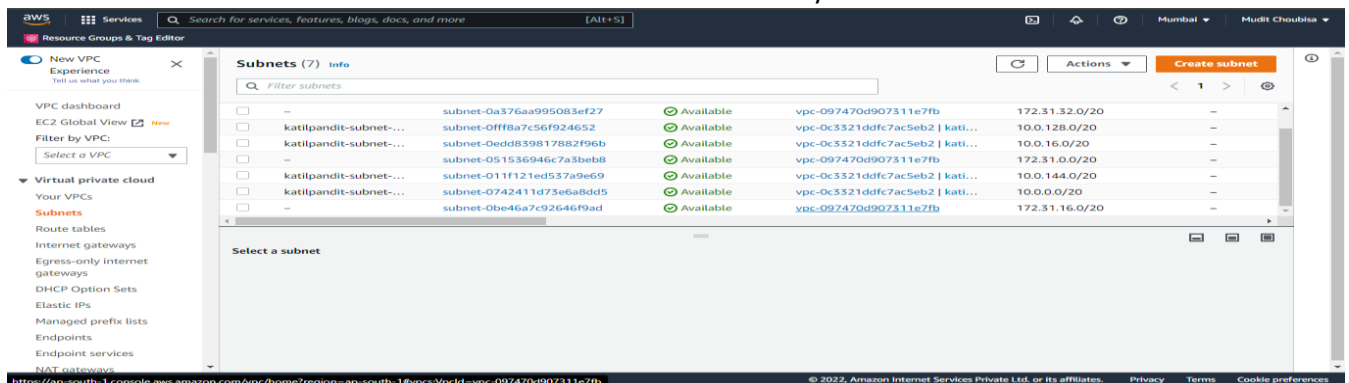
5. Click on “Create VPC” button and wait for your VPC to be created.



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



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



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

The screenshot shows the AWS Management Console interface. The left sidebar contains the 'Virtual private cloud' menu, with 'Route tables' selected. The main content area is titled 'Route tables (5)' and includes a search bar and a 'Create route table' button. A table lists the following route tables:

Name	Route table ID	Explicit subnet associations	Edge associations	Main	VPC
katilpandit-rtb-priv...	rtb-0ac9a8fdc03283282	subnet-011f121ed537a...	-	No	vpc-0c3321ddfc7ac5eb2   kati...
-	rtb-095c169098ef9c83b	-	-	Yes	vpc-0c3321ddfc7ac5eb2   kati...
-	rtb-0b1b8e01ffa96330b	-	-	Yes	vpc-097470d907311e7fb
katilpandit-rtb-priv...	rtb-0016de5531c5d452e	subnet-0fff8a7c56f924...	-	No	vpc-0c3321ddfc7ac5eb2   kati...
katilpandit-rtb-public	rtb-06d10b13566e3256f	2 subnets	-	No	vpc-0c3321ddfc7ac5eb2   kati...

Below the table, there is a 'Select a route table' section with a search bar and a list of route tables.

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

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Resource Groups & Tag Editor

Subnets  
Route tables  
Internet gateways  
Egress-only internet gateways  
DHCP Option Sets  
Elastic IPs  
Managed prefix lists  
Endpoints  
Endpoint services  
NAT gateways  
Peering connections

▼ Security  
Network ACLs  
Security groups

▼ Network Analysis  
Reachability Analyzer  
Network Access Analyzer

### Network ACLs (2) Info

Filter network ACLs

<input type="checkbox"/>	Name	Network ACL ID	Associated with	Default	VPC ID
<input type="checkbox"/>	-	acl-03a54514d6f5911ca	4 Subnets	Yes	vpc-0c3321ddfc7ac5eb2 / katilpandit-...
<input type="checkbox"/>	-	acl-03d80a68d506ee2...	3 Subnets	Yes	vpc-097470d907311e7fb

Select a network ACL

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## RESULT:

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