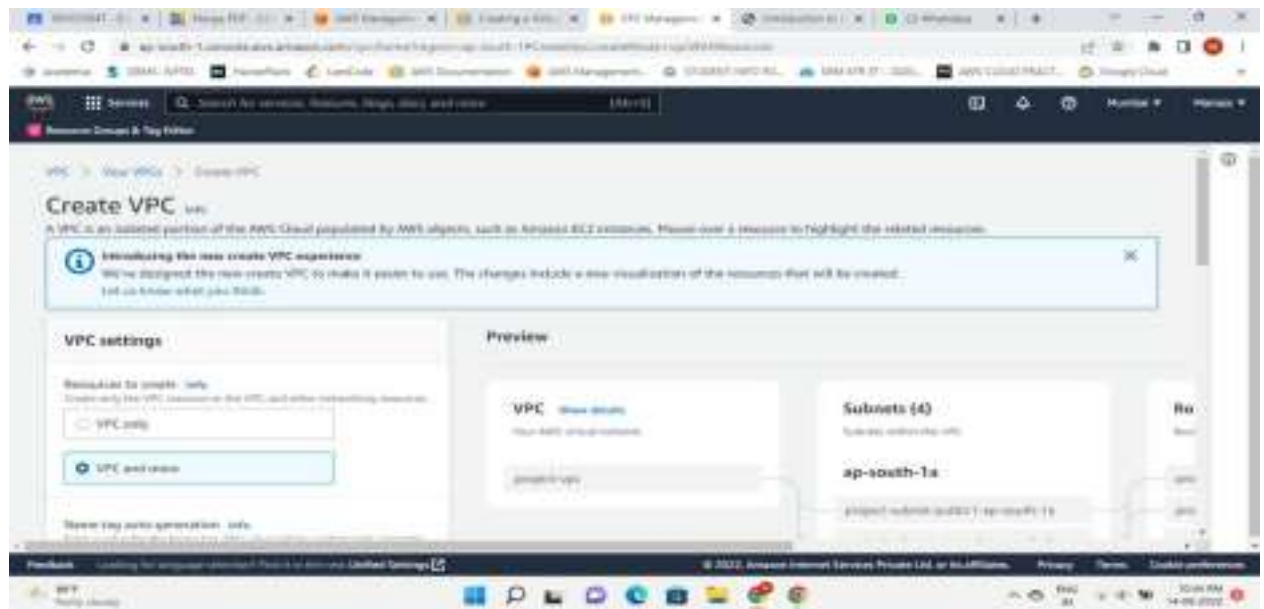


EXPERIMENT 3: CREATING AND CONFIGURING A VIRTUAL PRIVATE CLOUD

AIM- To create and configure a Virtual Private cloud

PROCEDURE

1. Sign to the console and open Amazon VPC Console and choose the option to create VPC from the dashboard.



2. Select Create VPC from the VPC dashboard.
3. Select the number of Availability Zones (AZs) in which you wish to launch your subnets under Number of Availability Zones (AZs).
4. Select the quantity of public subnets you wish to add to your VPC under Number of public subnets.
5. Select the number of private subnets you wish to add to your VPC under Number of private subnets.
6. Now go to security group and create one security group.

Create security group

A security group acts as a virtual firewall for your instances to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name:

Name cannot be edited after creation.

Description:

VPC:

Security Groups (1/1)

Name	Security group ID	Security group name	VPC ID	Description
default	sg-000879e5e7760386	default	vpc-03a63e5c5845054a	default VPC security group
launch-wizard-2	sg-0986c2f30d710776	launch-wizard-2	vpc-03a63e5c5845054a	launch-wizard-2 security group
mywebservergroup	sg-099955c6d4e7533d7	mywebservergroup	vpc-03a63e5c5845054a	webserver
default	sg-0c113d04344f0d000	default	vpc-03a63e5c5845054a	default VPC security group

sg-099955c6d4e7533d7 - mywebservergroup

Security | Inbound rules | Outbound rules | Tags

We can now check network connectivity with Reachability Analyzer

[Run Reachability Analyzer](#)

RA2011028010104
Roshini Devi Jammula
K2 sec Cloud Computing

7. As your next step Make the following adjustments to the inbound rules.

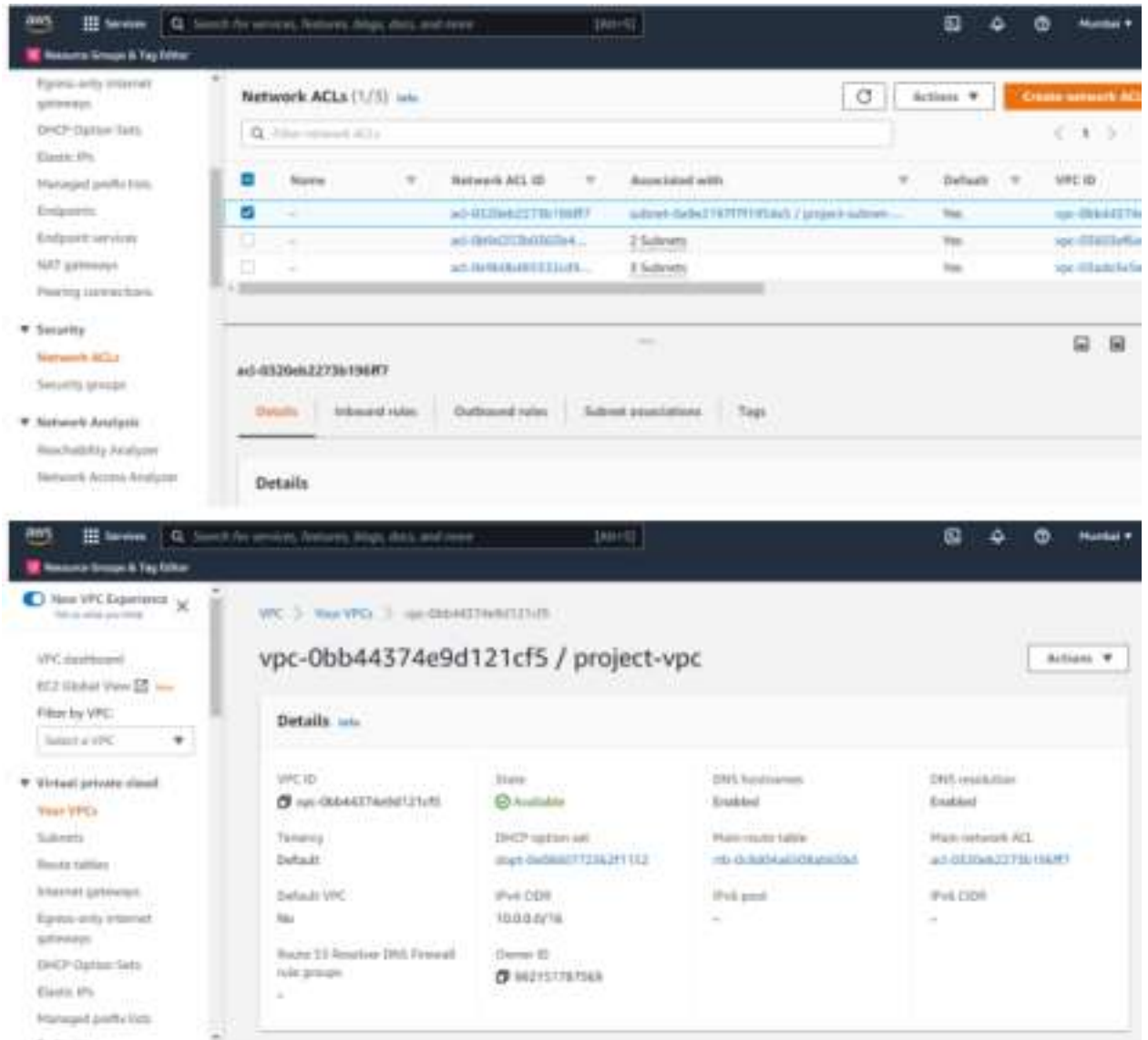
The screenshot shows the AWS IAM console's 'Inbound rules' section. It displays two rules: 'SSH' and 'HTTP'. Both rules are configured to allow traffic from 'Anywhere' (0.0.0.0/0) on their respective ports (22 for SSH, 80 for HTTP). The 'Description' field is empty for both. The 'Add rule' button is visible at the bottom left of the inbound rules section.

Type	Protocol	Port range	Source	Description - optional
SSH	TCP	22	Anywhere 0.0.0.0/0	
HTTP	TCP	80	Anywhere 0.0.0.0/0	

[Add rule](#)

8. Now save the changes.

RA2011028010104
Roshini Devi Jammula
K-2
Cloud Computing



RESULT: The virtual private cloud has been successfully created and configured

RA2011028010028
Raghav Gupta
K-1
Cloud Computing