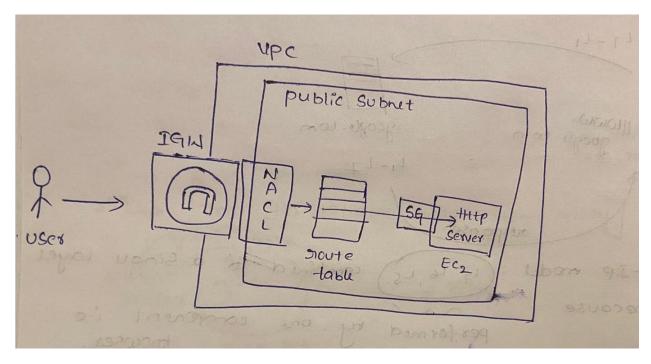
VPC

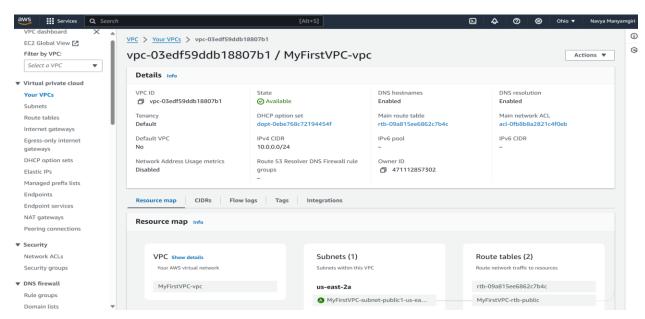
PROJECT 1

Requirements: Hosting a http server on ec2 instance in a public subnet.

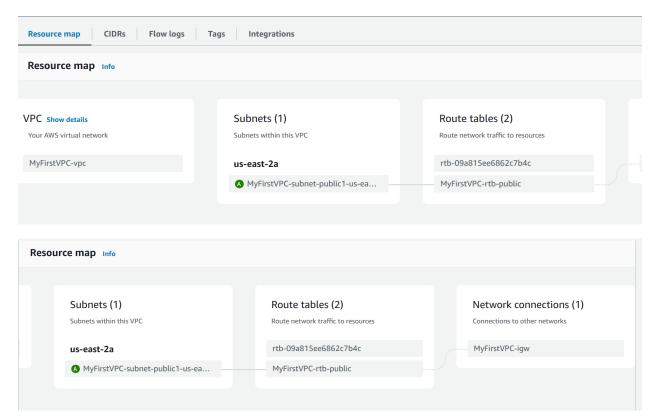


Implementation:

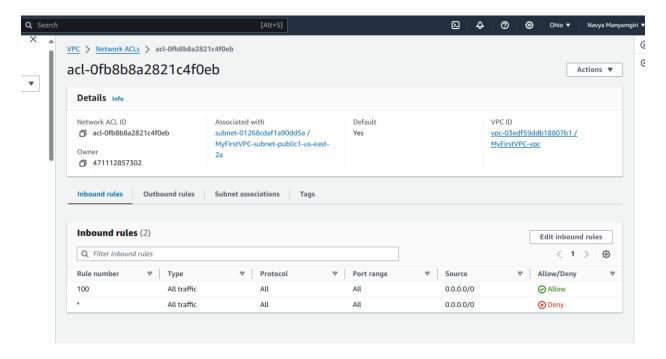
STEP1: Creating a VPC. Create a VPC with only Public subnet as per requirements.



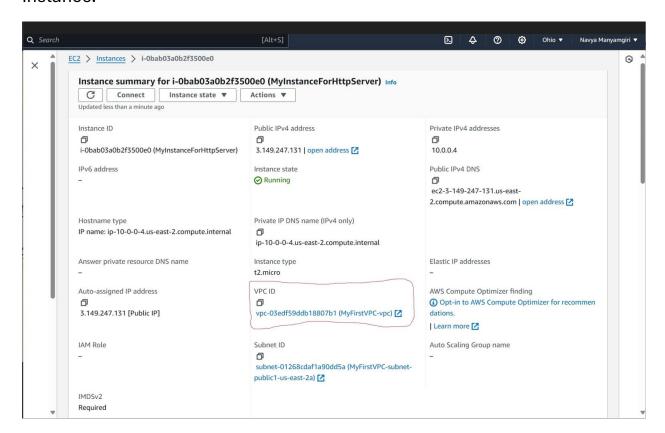
VPC Resource Map:



Default NACL: All traffic is allowed

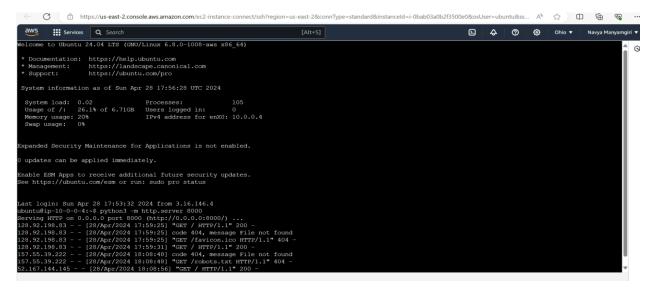


Step 2: Launch an EC2 Instance On to your VPC. Assign a public IP to your Instance.



The default Security Group for EC2 Instance is All Inbound traffic is blocked. Except port 22 for SSH.

Step3: Hosting a http server on ec2.



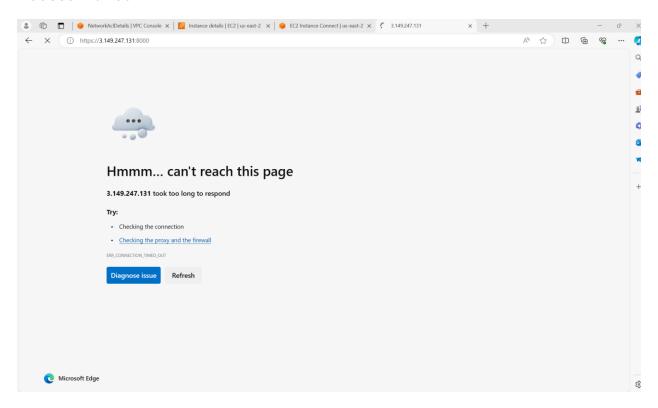
Step 4: Accessing the http server.

CASE1:

NACL: allow

SG: block

Access: Failed



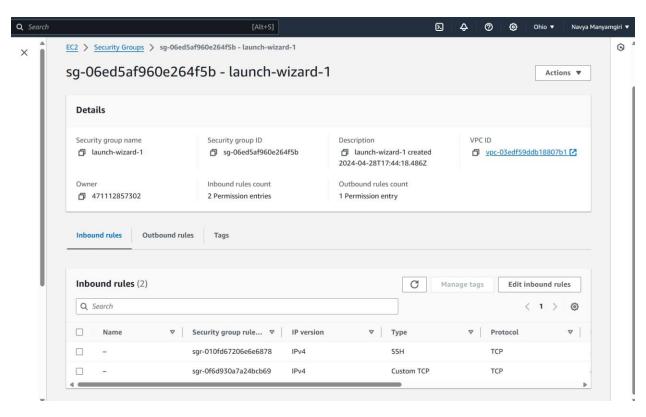
Access failed because Security group blocks all incoming traffic by default.

CASE 2:

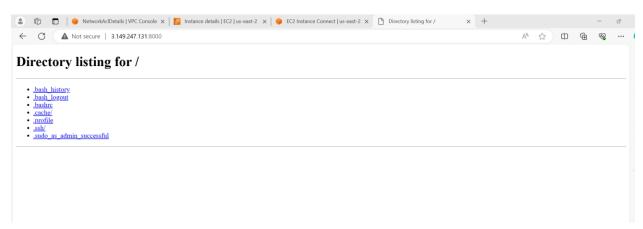
NACL: allow

SG: allow

Access: Successful



Http server Access Successful.

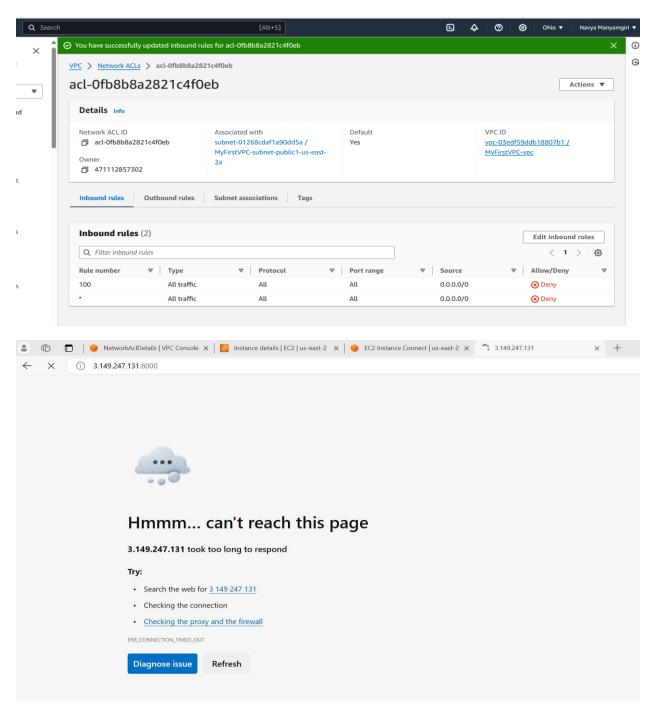


Case 3:

NACL: block

SG: allow

Access: Failed



Case 4:

NACL: block

SG: block

Access: Failed

