PROJECT-2

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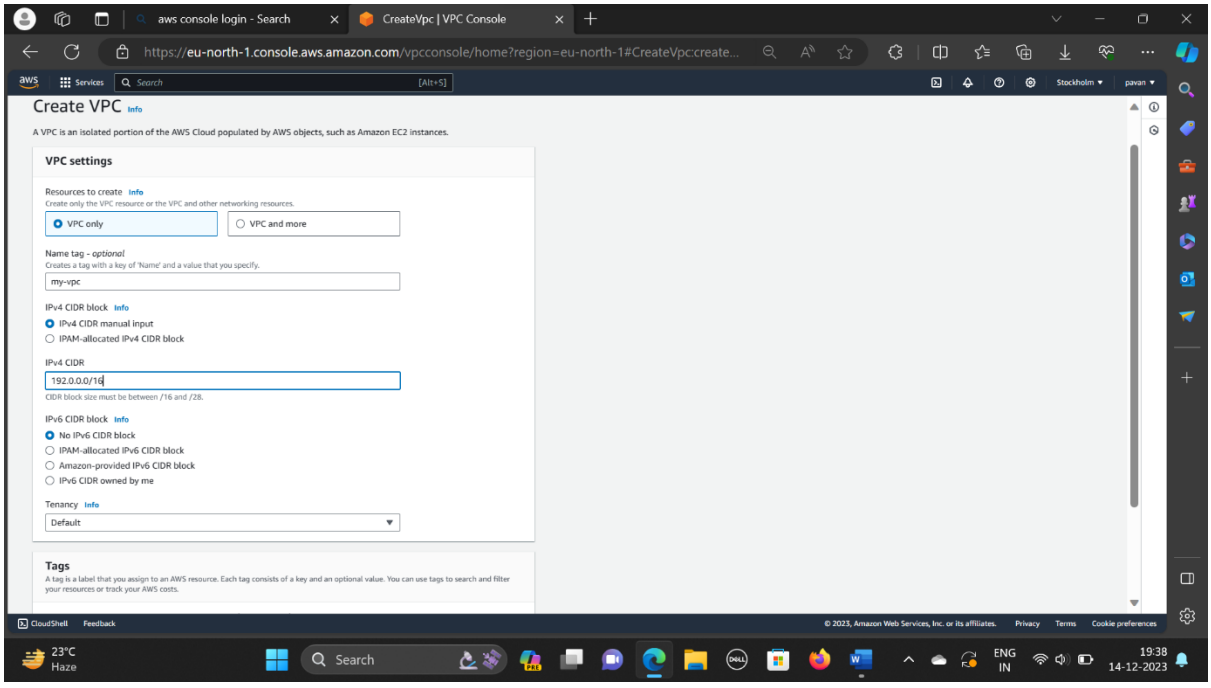
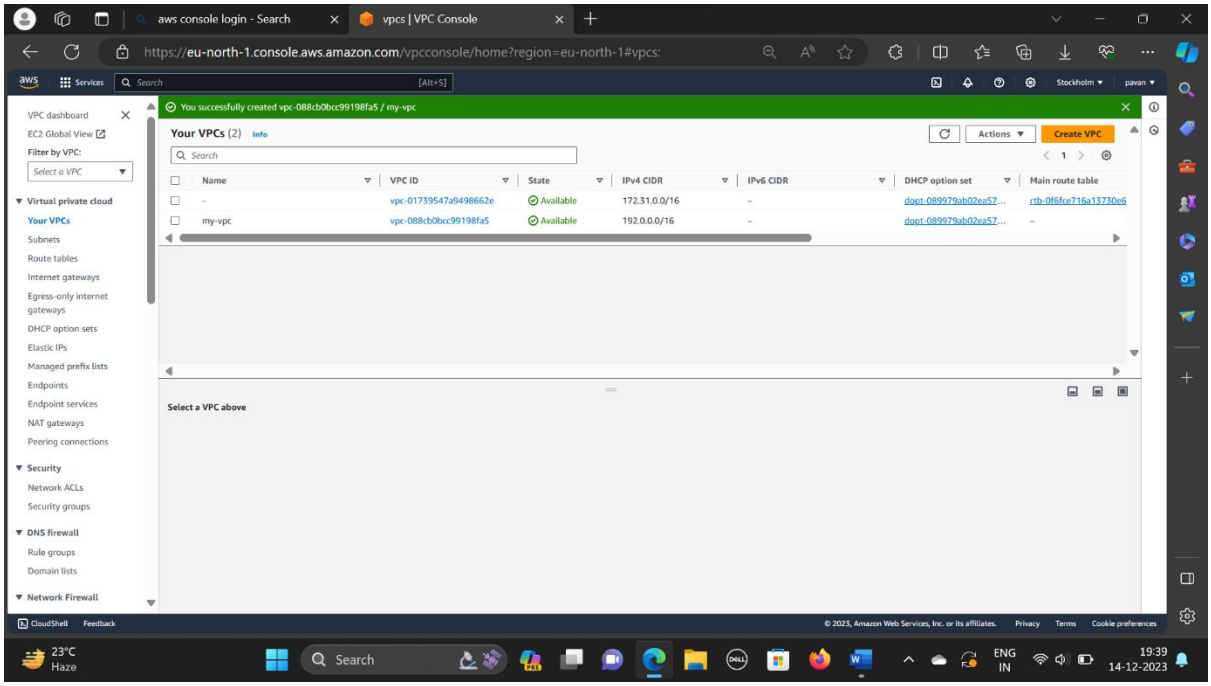
COURSE : AWS AND DEVOPS
TRAINER NAME : V. MADHUKAR REDDY

1. Create a VPC:

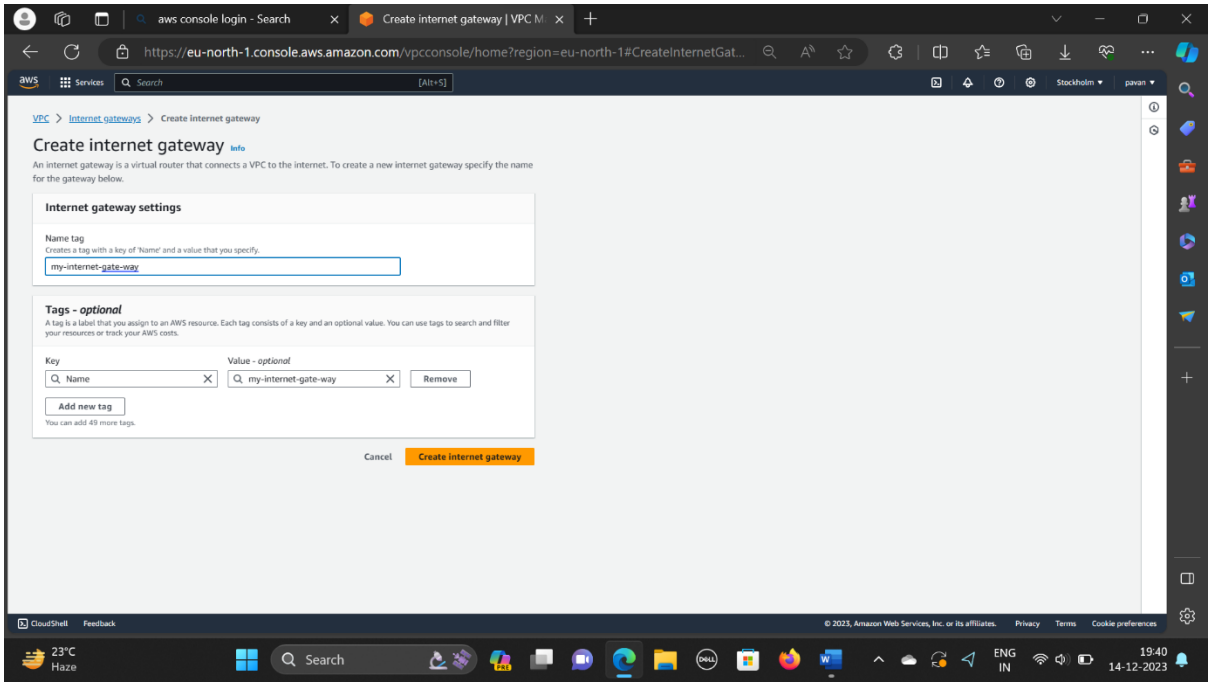
- Navigate to the AWS Management Console.
- Go to the VPC Dashboard.
- Click "Create VPC."
- Enter the necessary details (CIDR block, name, etc.).
- Click "Create VPC."





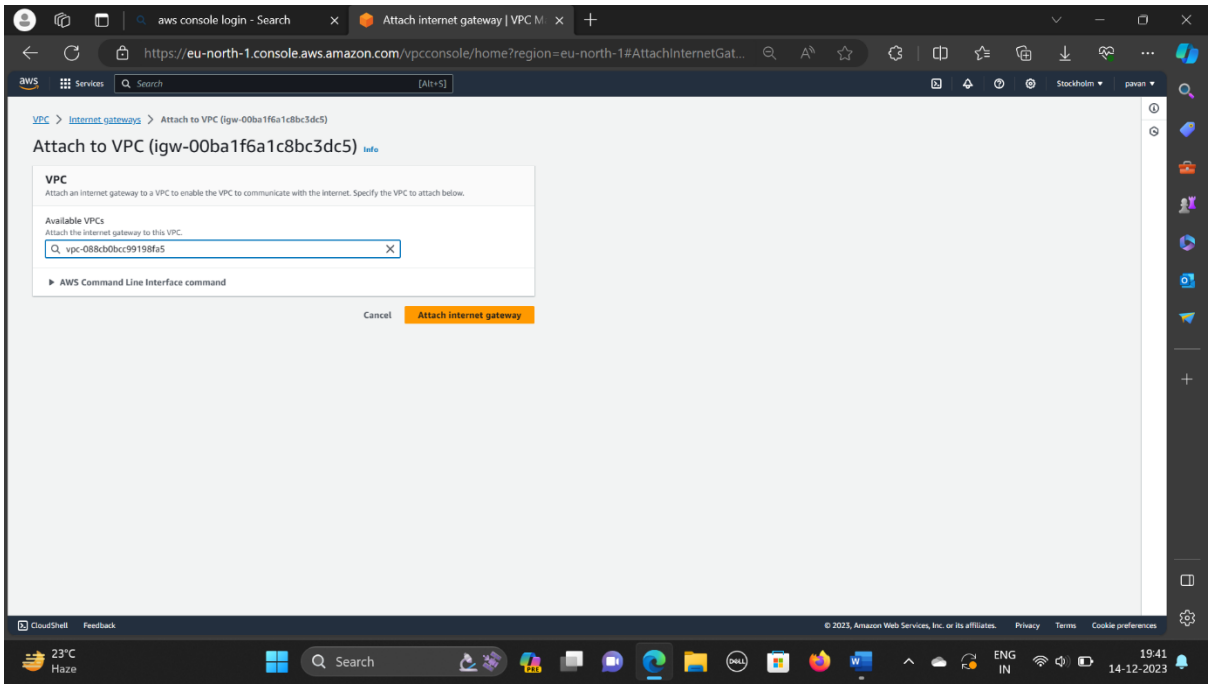
2. Create Internet Gateway:

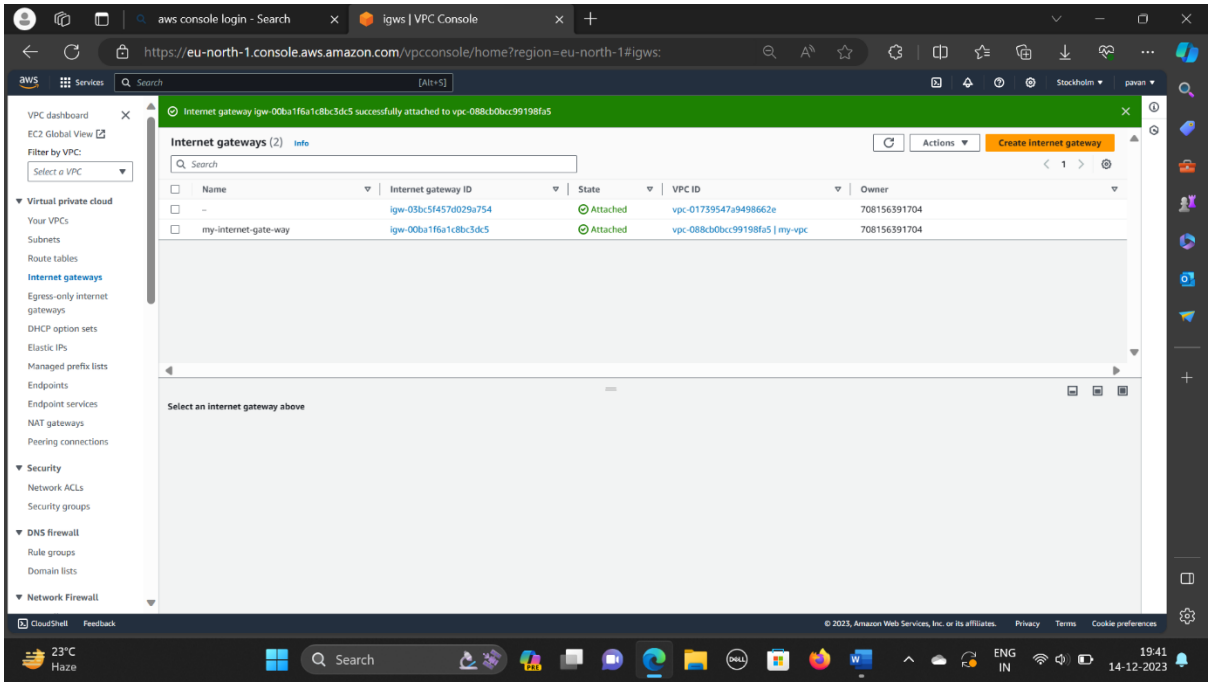
- In the VPC Dashboard, select "Internet Gateways" from the sidebar.
- Click "Create Internet Gateway."
- Enter a name for the Internet Gateway.
- Click "Create Internet Gateway."



3. Attach Internet Gateway to VPC:

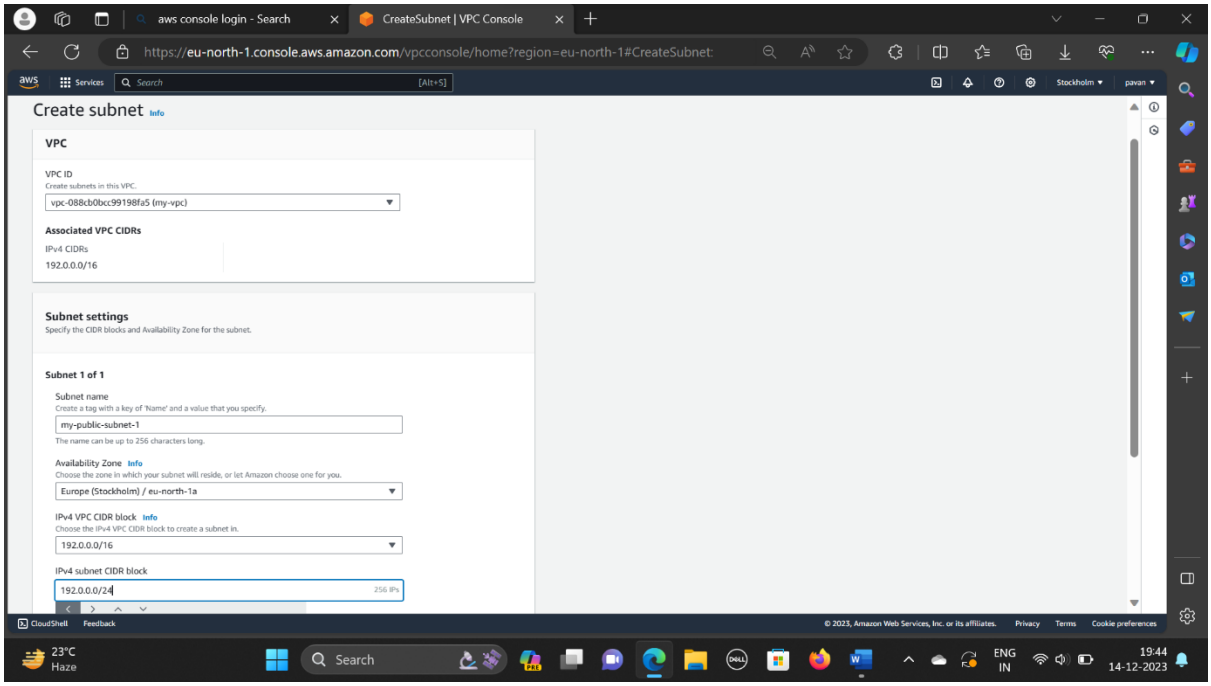
- Select the newly created Internet Gateway.
- Click "Actions" and then "Attach to VPC."
- Choose the VPC created in step 1.
- Click "Attach Internet Gateway."

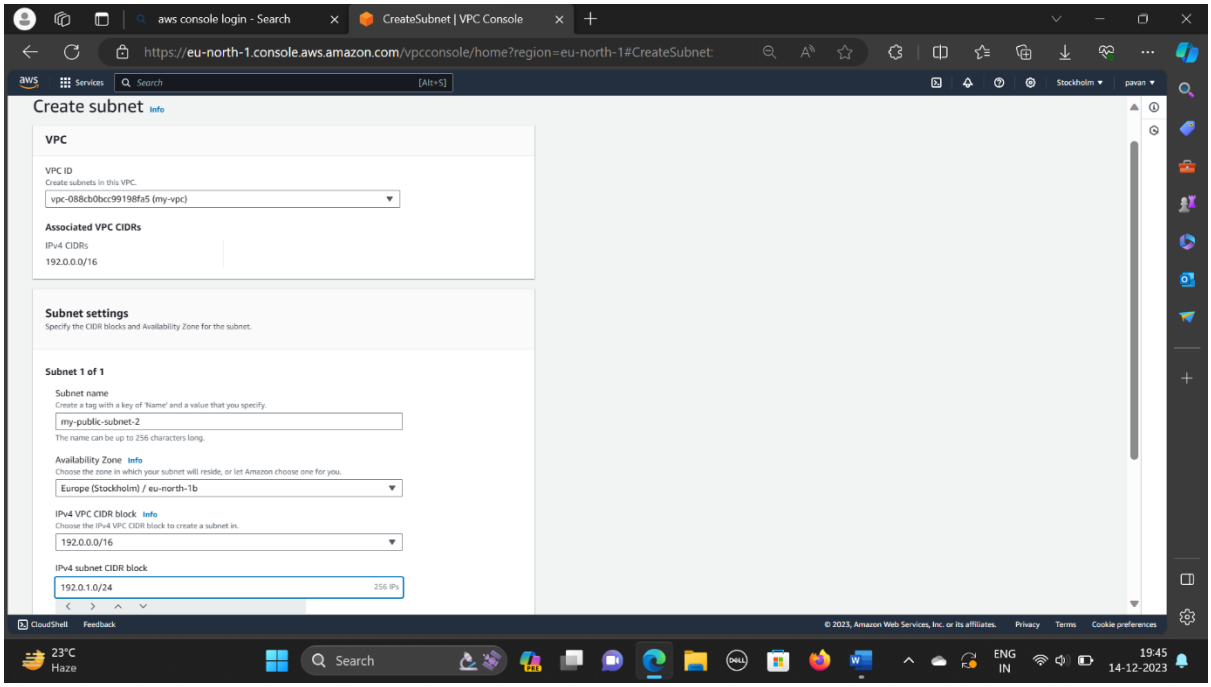


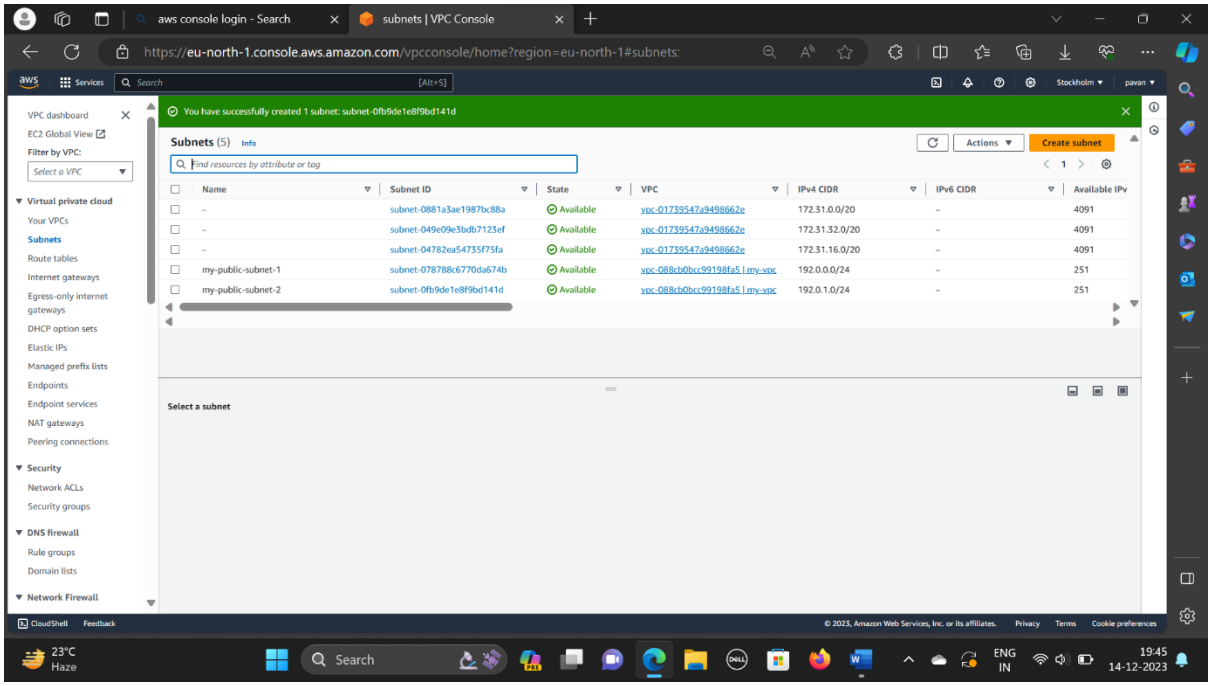


4. Create Public Subnets:

- In the VPC Dashboard, select "Subnets" from the sidebar.
- Click "Create Subnet."
- Enter a name, select the VPC, and choose an Availability Zone.
- Enter the CIDR block for the subnet (e.g., 192.0.1.0/24 for the first subnet).
- Repeat the process to create a second public subnet.

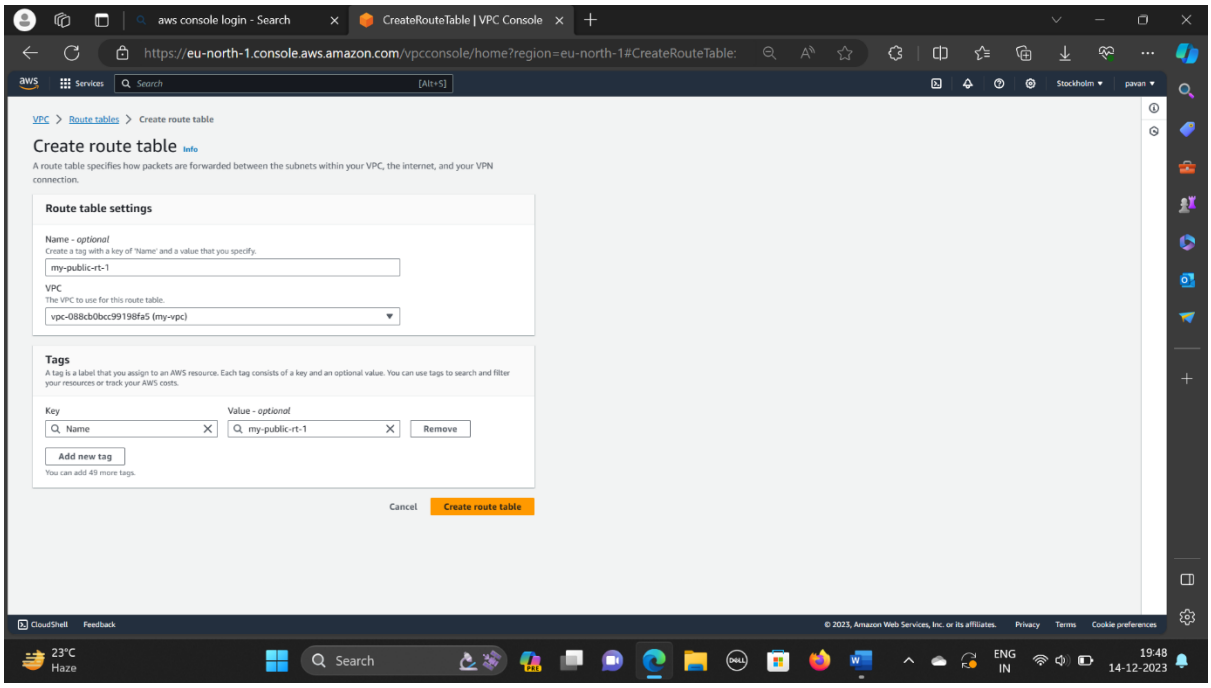


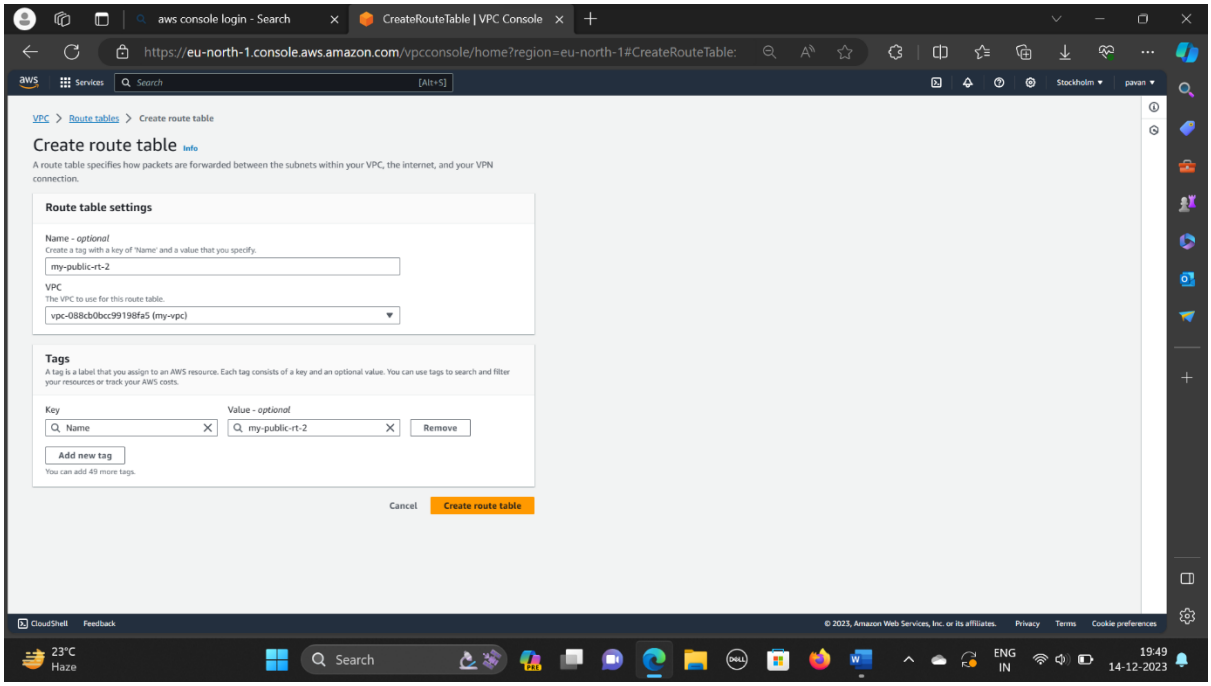




5. Create Route Table for Public Subnets

- In the VPC Dashboard, select "Route Tables" from the sidebar.
- Click "Create Route Table."
- Enter a name and choose the VPC.
- Click "Create Route Table."
- Repeat the process to create a second Route Table.




aws console login - Search
CreateRouteTable | VPC Console
https://eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#CreateRouteTable:
VPC > Route tables > Create route table
Create route table Info
A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.
Route table settings
Name - optional
Create a tag with a key of 'Name' and a value that you specify.
my-public-rt-2
VPC
The VPC to use for this route table.
vpc-088cb0bcc99198fa5 (my-vpc)
Tags
A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.
Key
Value - optional
Name
my-public-rt-2
Remove
Add new tag
You can add 49 more tags.
Cancel
Create route table
CloudShell
Feedback
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Privacy
Terms
Cookie preferences
23°C
Haze
Search
ENG
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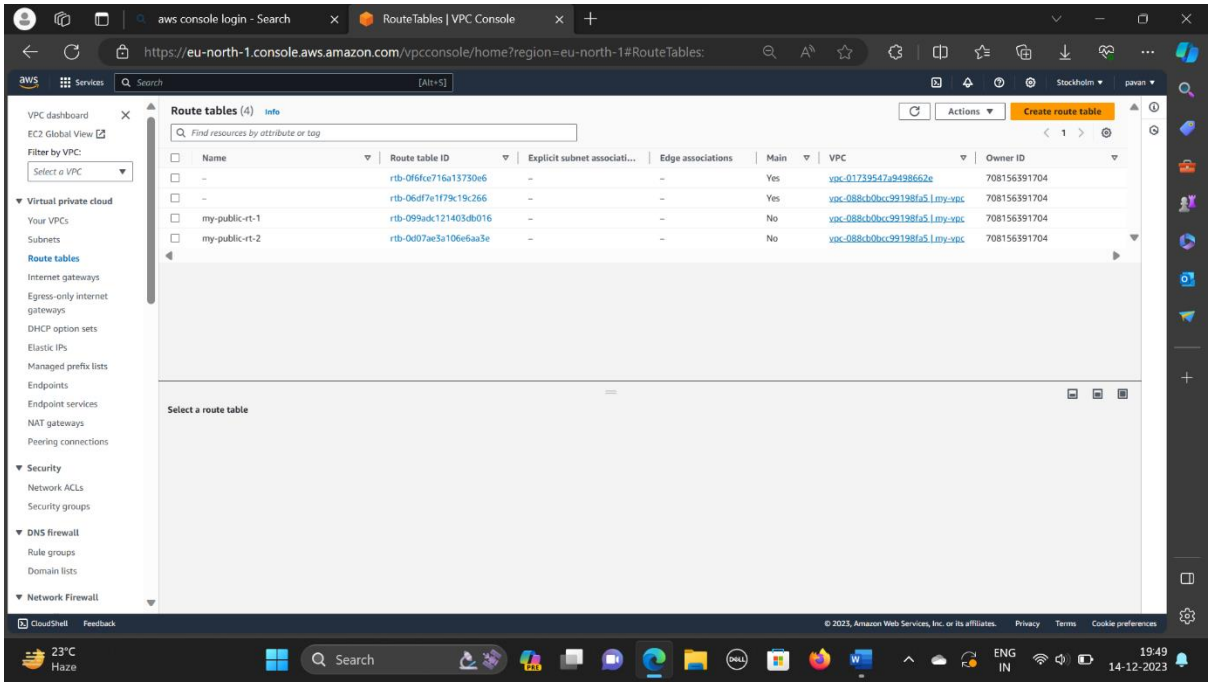
aws console login - Search
RouteTables | VPC Console
https://eu-north-1.console.aws.amazon.com/vpcconsole/home?region=eu-north-1#RouteTables:
VPC dashboard
EC2 Global View
Filter by VPC:
Select a VPC
Virtual private cloud
Your VPCs
Subnets
Route tables
Internet gateways
Egress-only internet gateways
DHCP option sets
Elastic IPs
Managed prefix lists
Endpoints
Endpoint services
NAT gateways
Peering connections
Security
Network ACLs
Security groups
DNS firewall
Rule groups
Domain lists
Network Firewall
Route tables (4) Info
Find resources by attribute or tag
Actions
Create route table
Name
Route table ID
Explicit subnet associati...
Edge associations
Main
VPC
Owner ID
rtb-0f6fce716a13730e6
Yes
vpc-01739547a9498662e
708156391704
rtb-06df7e1f79c19c266
Yes
vpc-088cb0bcc99198fa5 | my-vpc
708156391704
my-public-rt-1
rtb-099adc121403db016
No
vpc-088cb0bcc99198fa5 | my-vpc
708156391704
my-public-rt-2
rtb-0d07ae3a106e6aa3e
No
vpc-088cb0bcc99198fa5 | my-vpc
708156391704
Select a route table
CloudShell
Feedback
© 2023, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences
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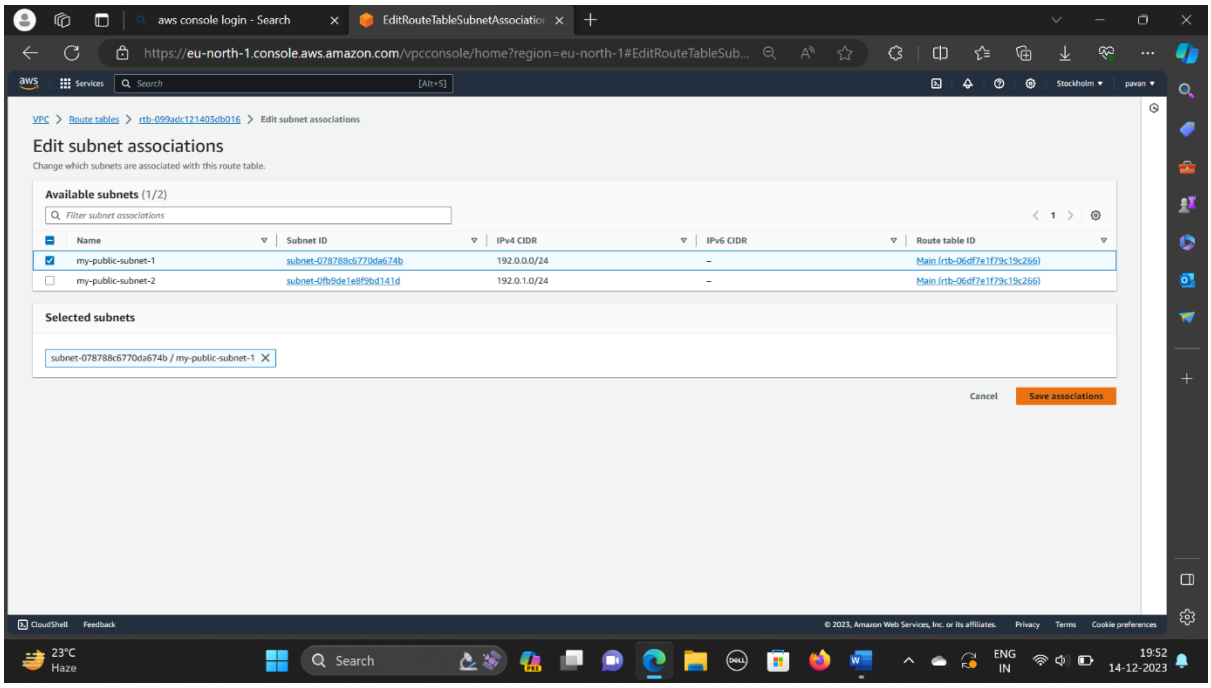
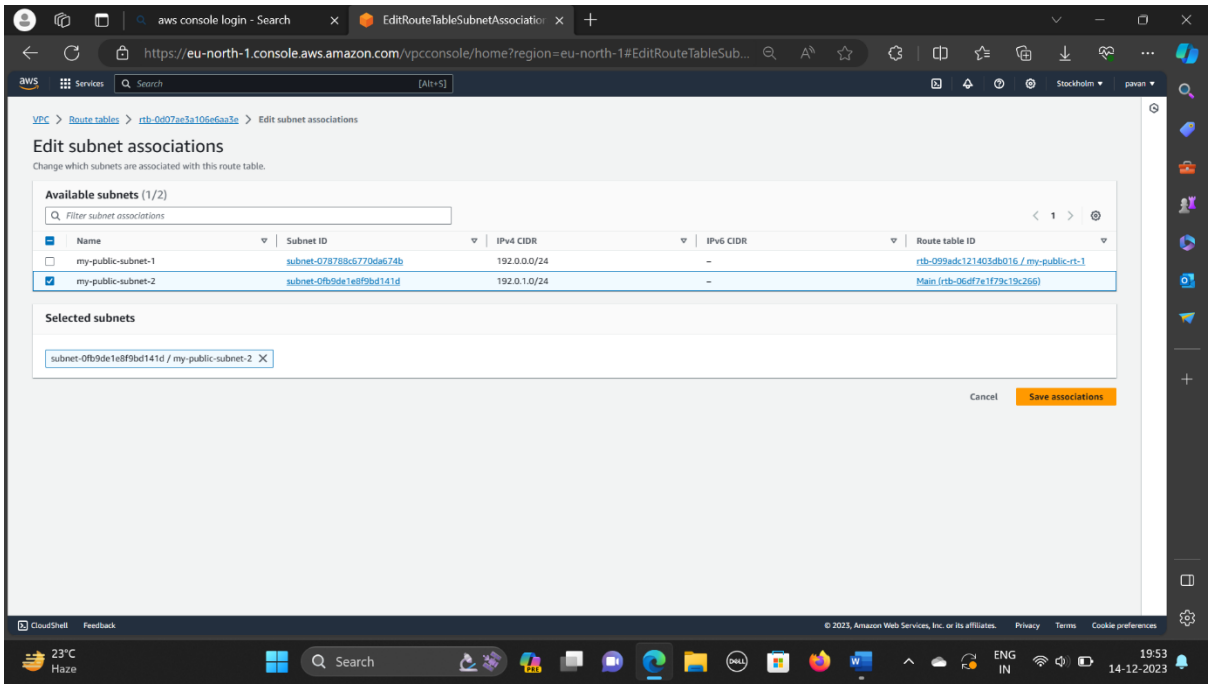
6. Associate Route Table with Public Subnets:

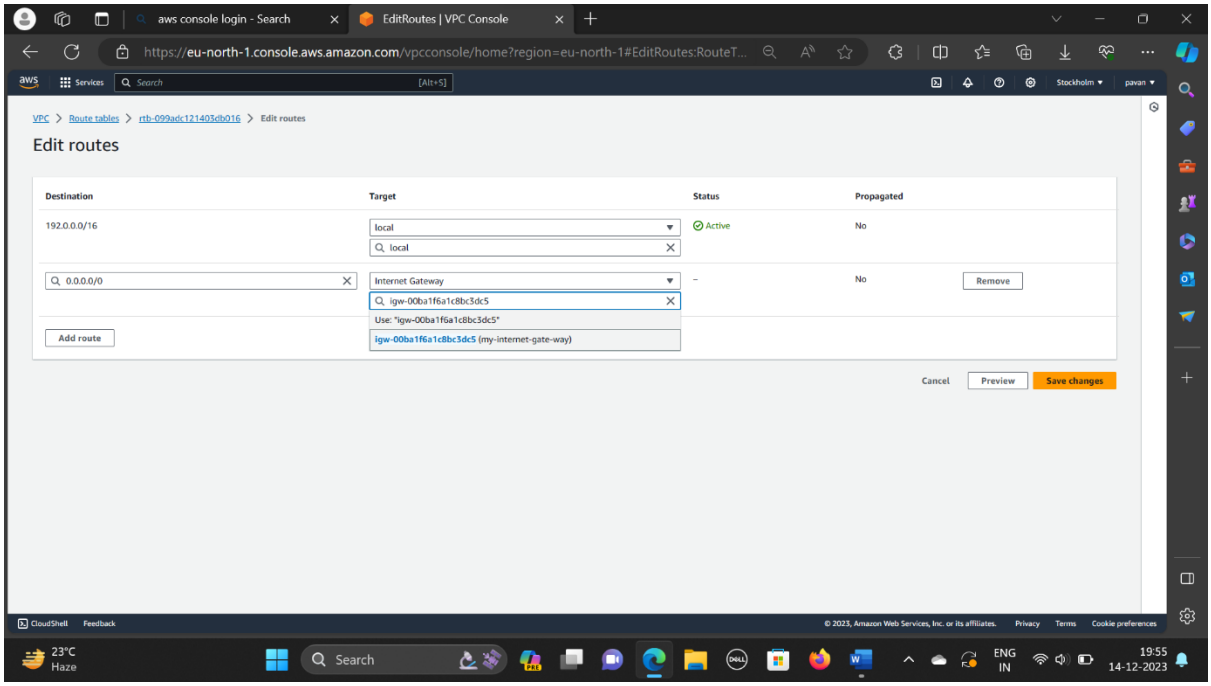
- Go to the "Subnet Associations" tab in the route table.
- Click "Edit subnet associations" and associate both public subnets.

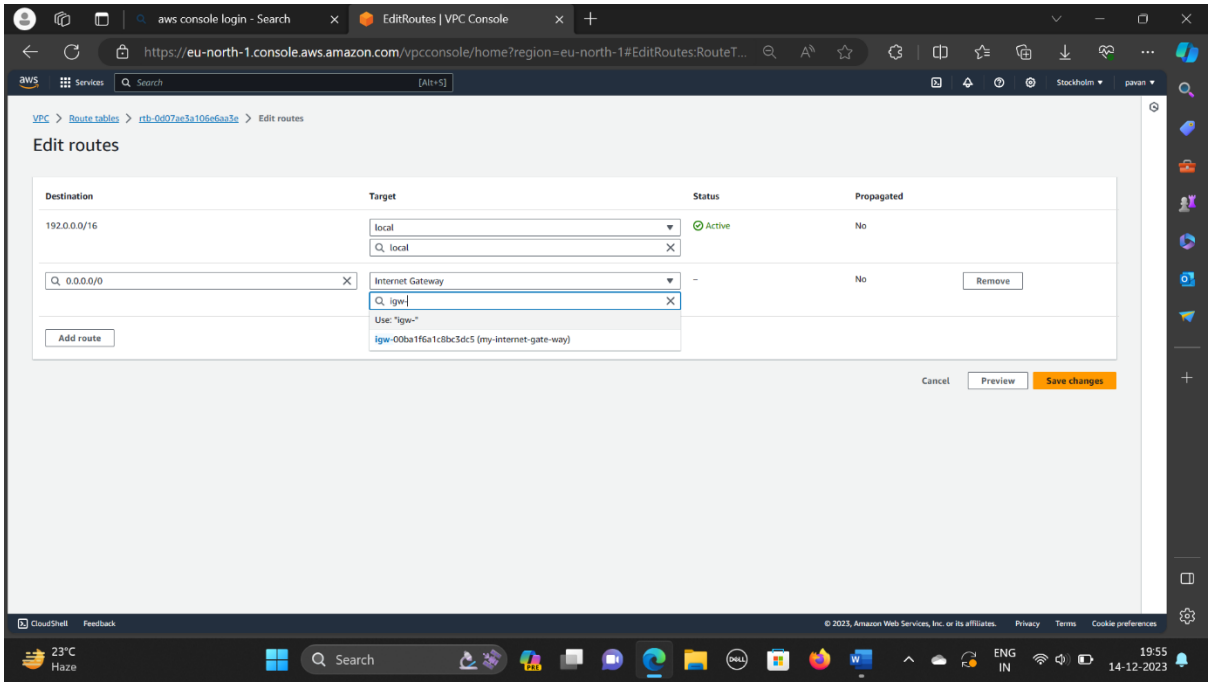




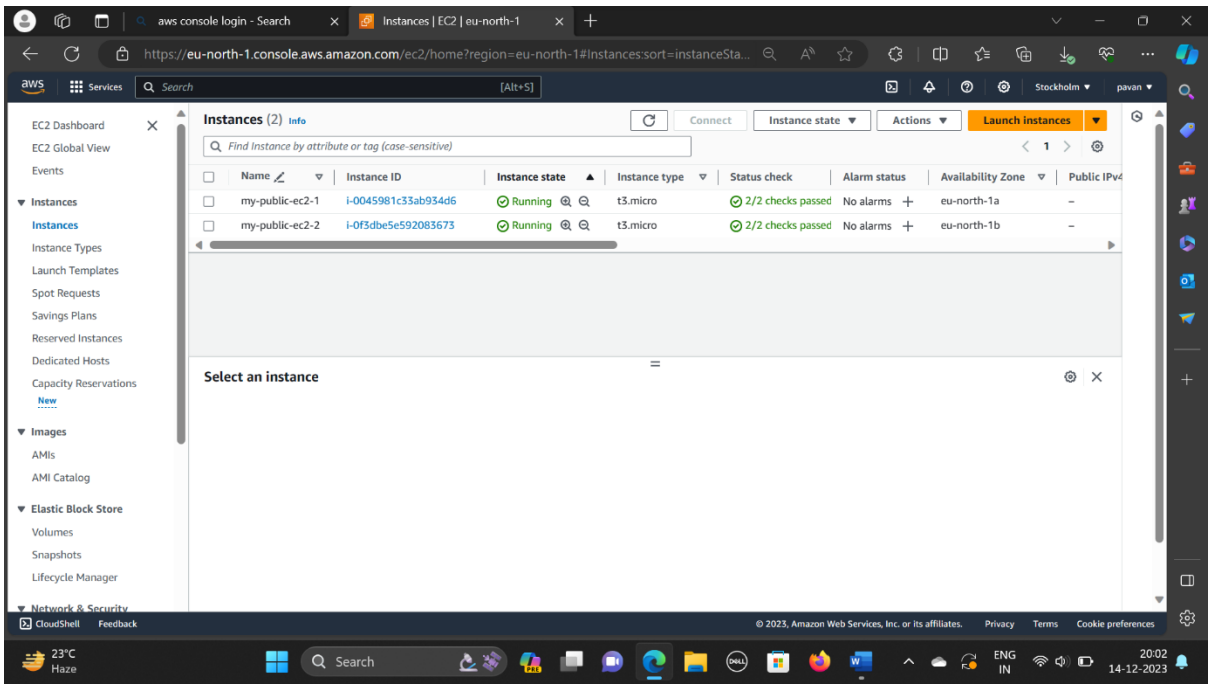
7. Add a Route for Internet Traffic:

- Select the newly created route table.
- Click on the "Routes" tab.
- Edit the routes and add a route with the destination 0.0.0.0/0 and target as the Internet Gateway created earlier for the both routes.





8.Launch EC2 Instances in Public Subnets:



Now, you have a VPC with an Internet Gateway connected to two public subnets. Instances launched in these public subnets can communicate with the internet, and the internet can reach these instances