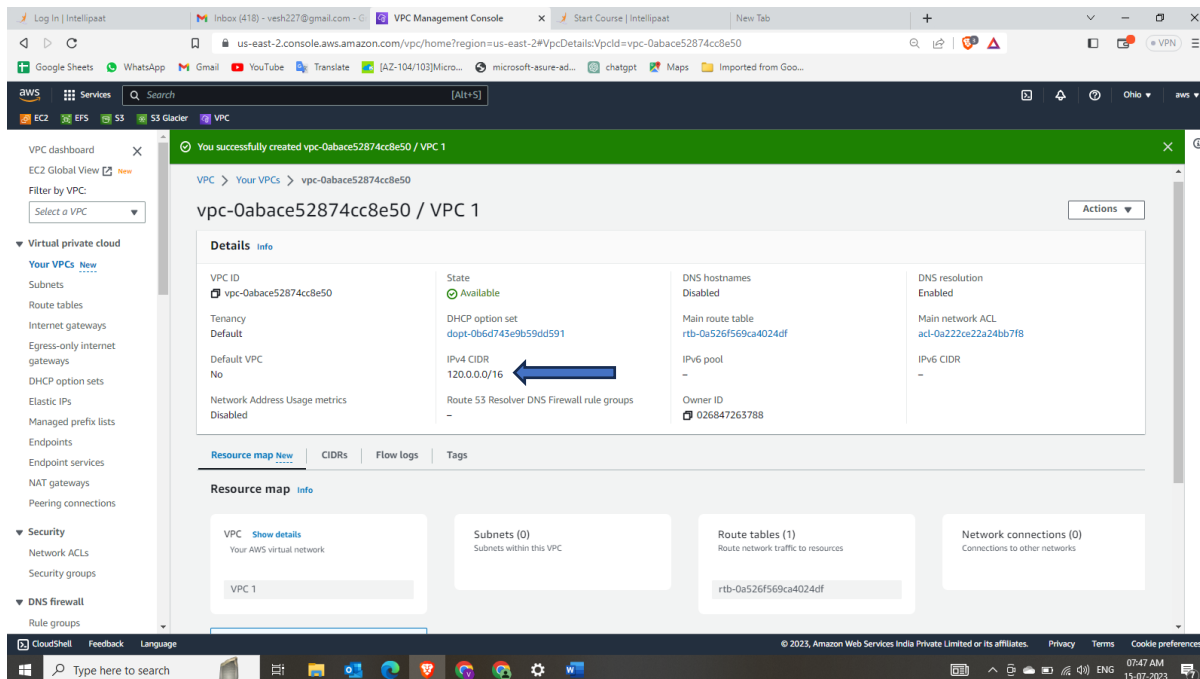
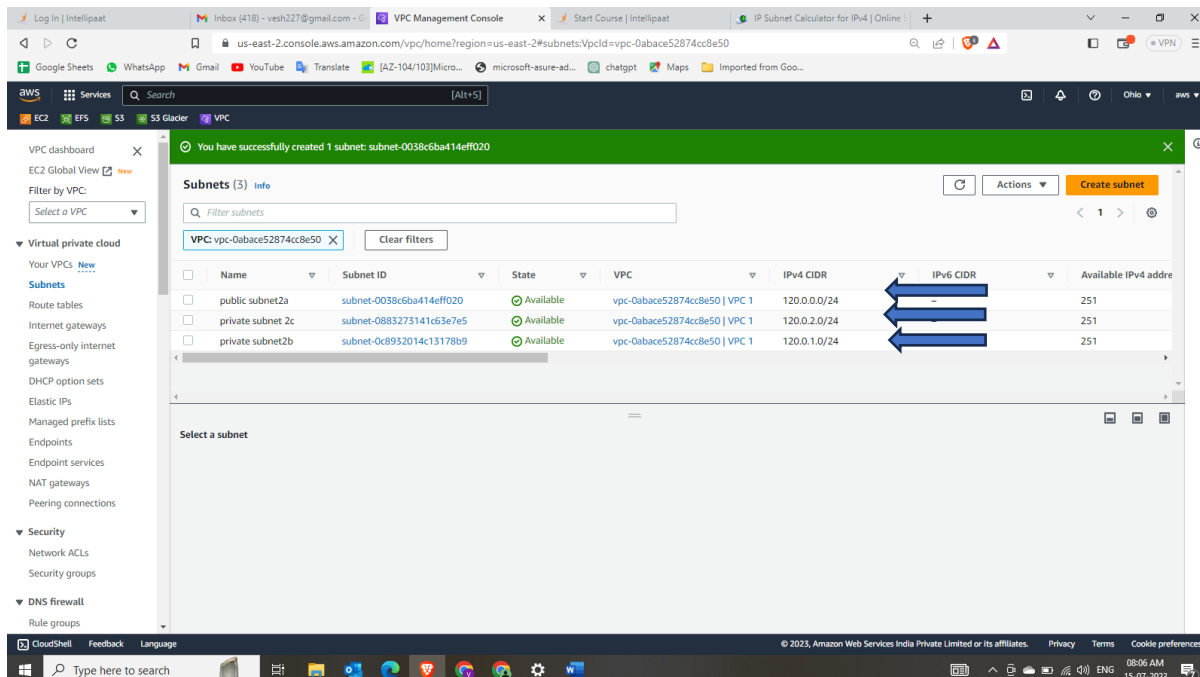


Module 5: VPC Creation Assignment

1. Created a VPC with 120.0.0.0/16 CIDR block.

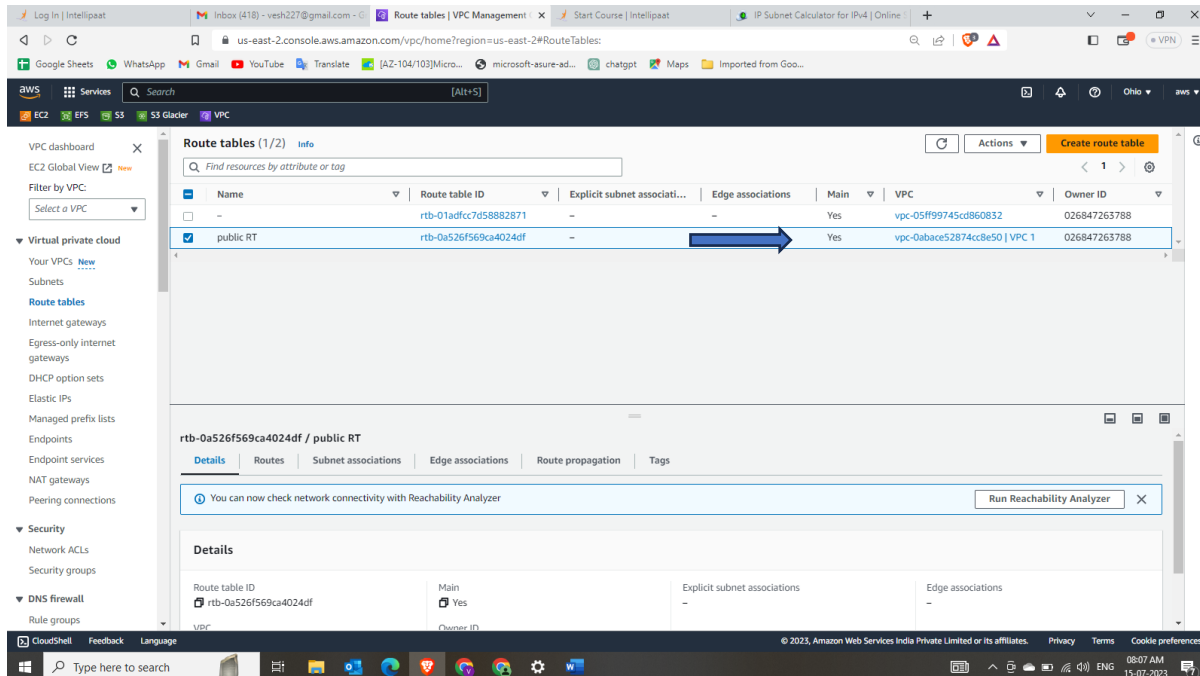


2. One public subnet and 2 private subnets created with VPC 1 and different AZ's

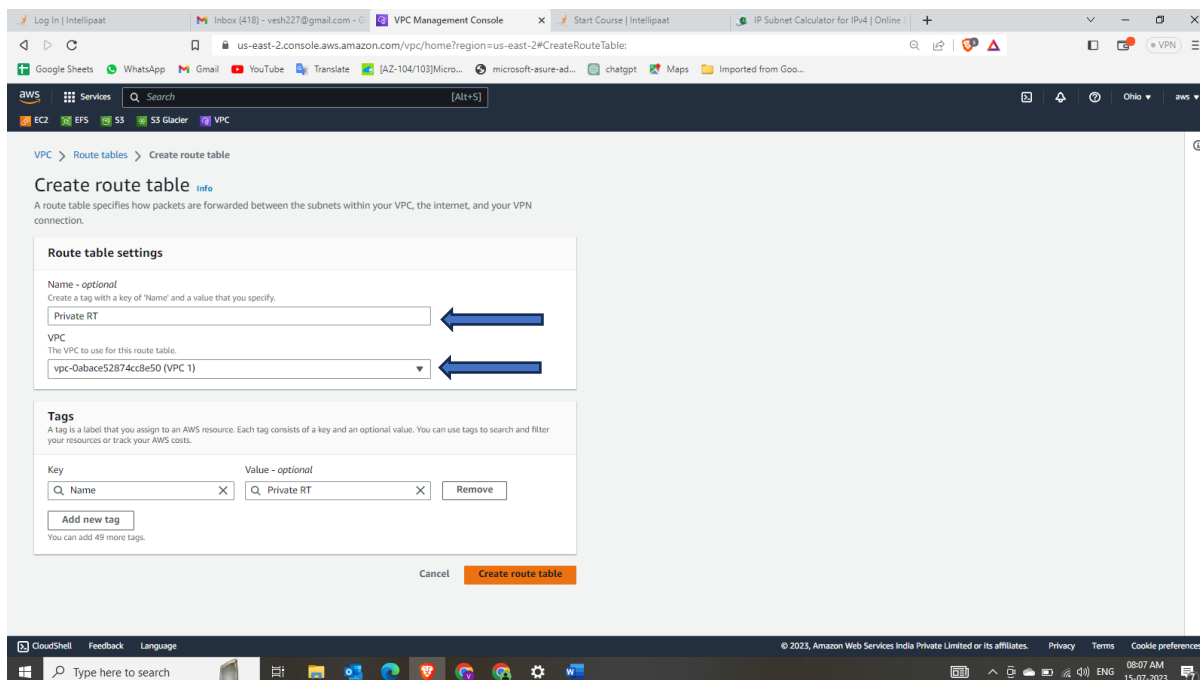


Module 5: VPC Creation Assignment

3. The **main RT** which is connected to my created **VPC 1** for that I have given the name Public RT.



4. Created private RT with VPC 1.



Module 5: VPC Creation Assignment

- The public subnet associated with public RT and the private subnet associated with private RT.

Log In | Intellipaat | Inbox (418) - vesh227@gmail.com - G | Route tables | VPC Management | Start Course | Intellipaat | IP Subnet Calculator for IPv4 | Online | +

us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#RouteTables:

BWS Services Search [Alt+S]

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

You have successfully updated subnet associations for rtb-01703a5fb554f21d0 / Private RT.

Route tables (1/3) Info

Find resources by attribute or tag

Name	Route table ID	Explicit subnet associati...	Edge associations	Main	VPC	Owner ID
-	rtb-01adfcc7d58882871	-	-	Yes	vpc-05ff99745cd860832	026847263788
public RT	rtb-0a526f569ca4024df	subnet-0038c6ba414eff0...	-	Yes	vpc-0abace52874cc8e50 VPC 1	026847263788
Private RT	rtb-01703a5fb554f21d0	2 subnets	-	No	vpc-0abace52874cc8e50 VPC 1	026847263788

rtb-01703a5fb554f21d0 / Private RT

Details Routes Subnet associations Edge associations Route propagation Tags

You can now check network connectivity with Reachability Analyzer Run Reachability Analyzer

Details

Route table ID	Main	Explicit subnet associations	Edge associations
rtb-01703a5fb554f21d0	Yes	2 subnets	-

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- Created Internet gateway.

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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#InternetGateway:internetGatewayId=igw-0c55f9b44d30cea37

BWS Services Search [Alt+S]

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

VPC > Internet gateways > igw-0c55f9b44d30cea37

igw-0c55f9b44d30cea37 / IGW

Details info

Internet gateway ID	State	VPC ID	Owner
igw-0c55f9b44d30cea37	Detached	vpc-05ff99745cd860832	026847263788

Tags

Search tags

Key	Value
Name	IGW

Actions

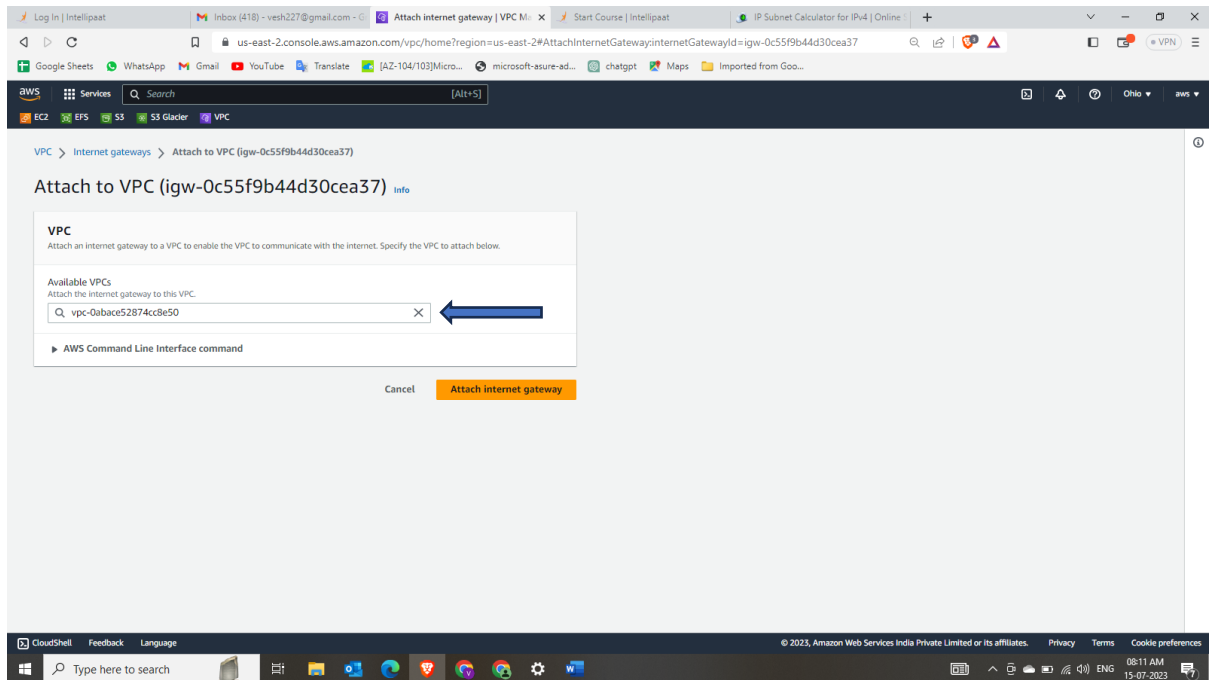
- Attach to VPC
- Detach from VPC
- Manage tags
- Delete

Manage tags

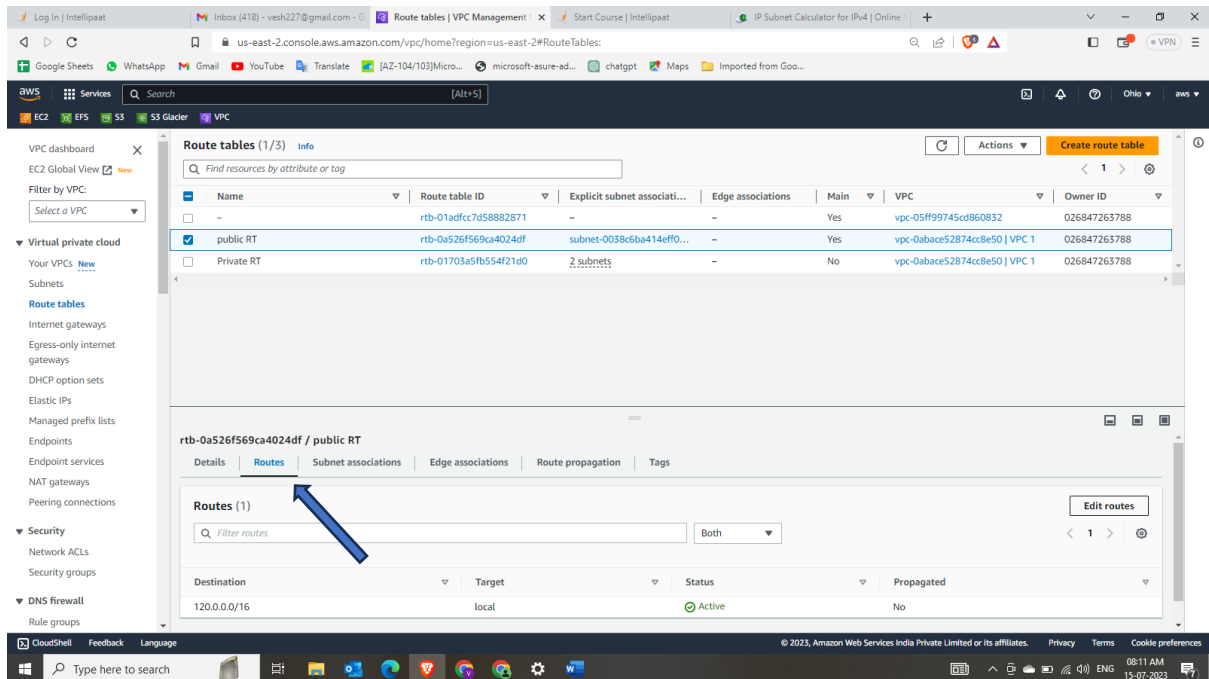
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Module 5: VPC Creation Assignment

7. Internet gateway attached with VPC 1.

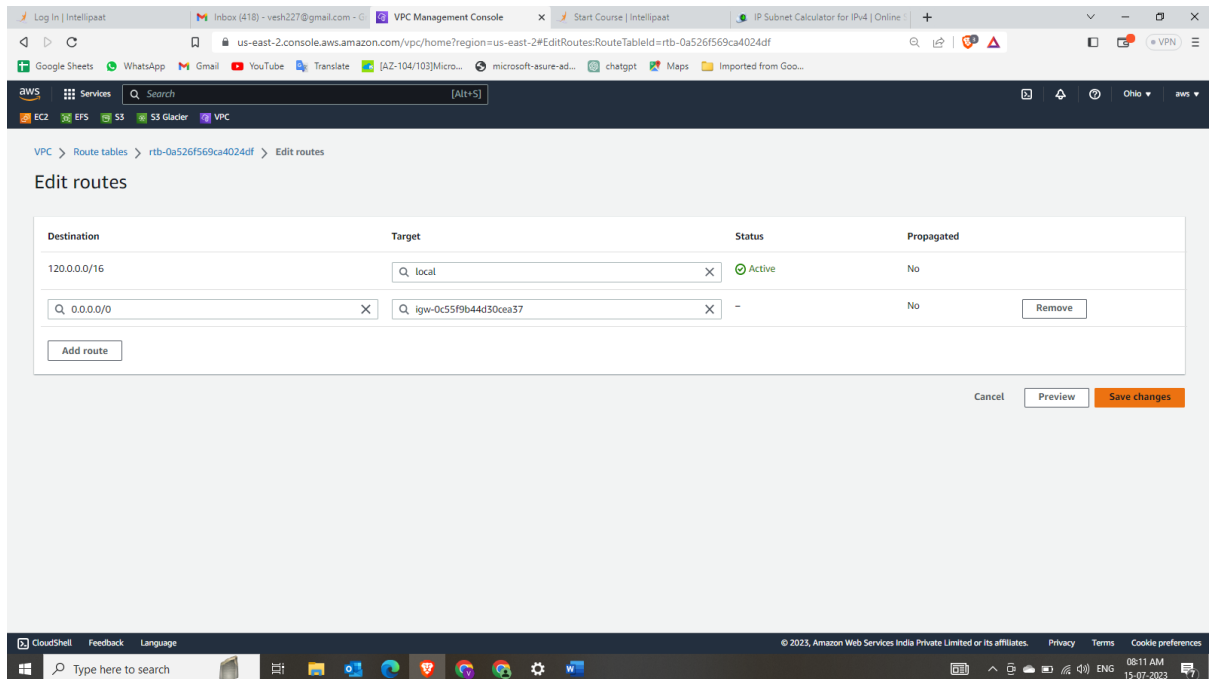


8. Click public RT and go to Route.

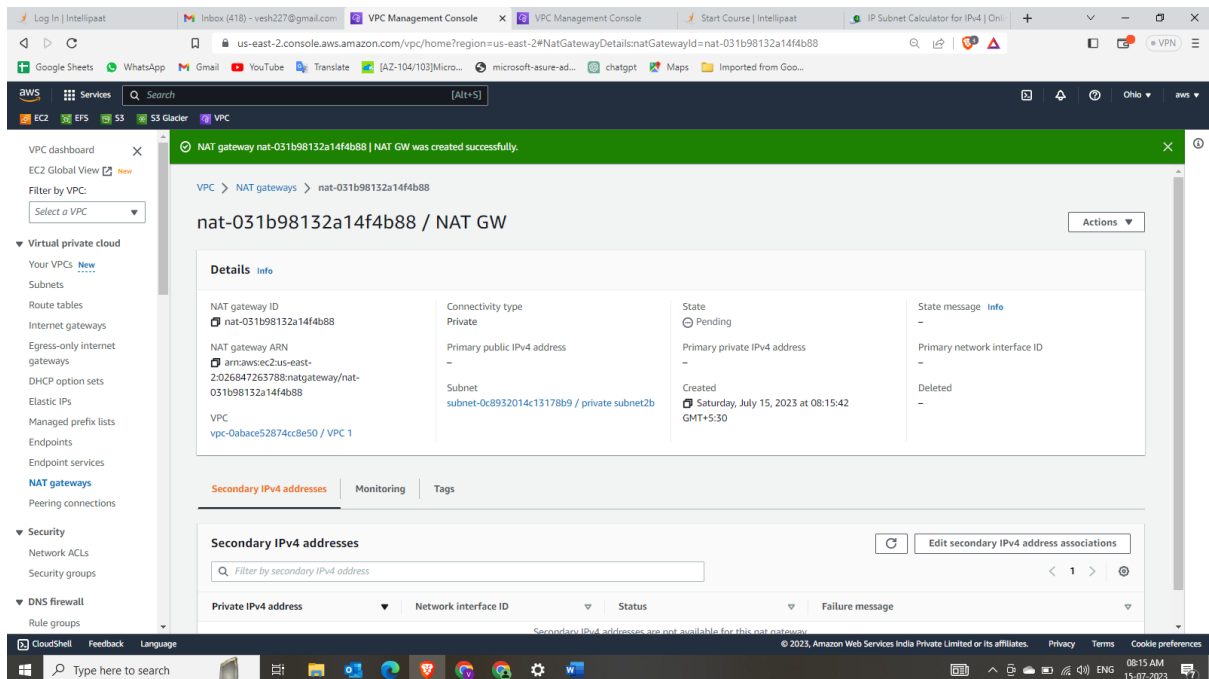


Module 5: VPC Creation Assignment

9. IGW route entry has been done.



10. Created NAT Gateway with private subnet (VPC 1).



Module 5: VPC Creation Assignment

11. Go back to private RT.

The screenshot shows the AWS VPC console interface. On the left, there's a navigation menu with options like 'VPC dashboard', 'EC2 Global View', 'Virtual private cloud', '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', and 'DNS firewall'. The main content area is titled 'Route tables (1/3)' and shows a table of route tables. The 'Private RT' is selected, and the 'Routes' tab is active, showing a single route for destination 120.0.0.0/16 to a local target.

Name	Route table ID	Explicit subnet associati...	Edge associations	Main	VPC	Owner ID
public RT	rtb-0a526f569ca4024df	subnet-0038c6ba414eff0...	-	Yes	vpc-0abace52874cc8e50 VPC 1	026847263788
Private RT	rtb-01703a5fb554f21d0	2 subnets	-	No	vpc-0abace52874cc8e50 VPC 1	026847263788

Below the table, the 'Routes (1)' section shows a single route:

Destination	Target	Status	Propagated
120.0.0.0/16	local	Active	No

12. Do the route entry.

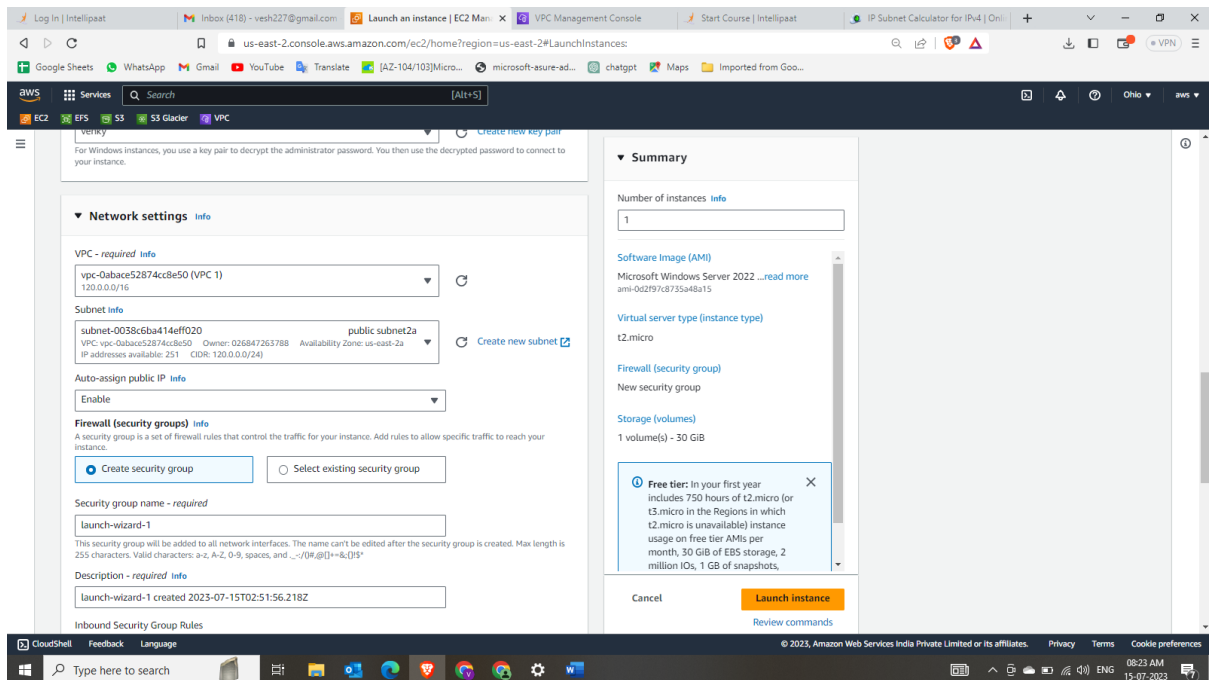
The screenshot shows the 'Edit routes' page in the AWS VPC console. The page displays a table of routes with columns for Destination, Target, Status, and Propagated. The existing route for 120.0.0.0/16 is shown, and new routes for 0.0.0.0/0 are being added.

Destination	Target	Status	Propagated
120.0.0.0/16	local	Active	No
0.0.0.0/0	nat-031b98132a14f4b88	-	No
0.0.0.0/0	nat-09ec70da196387988	-	No

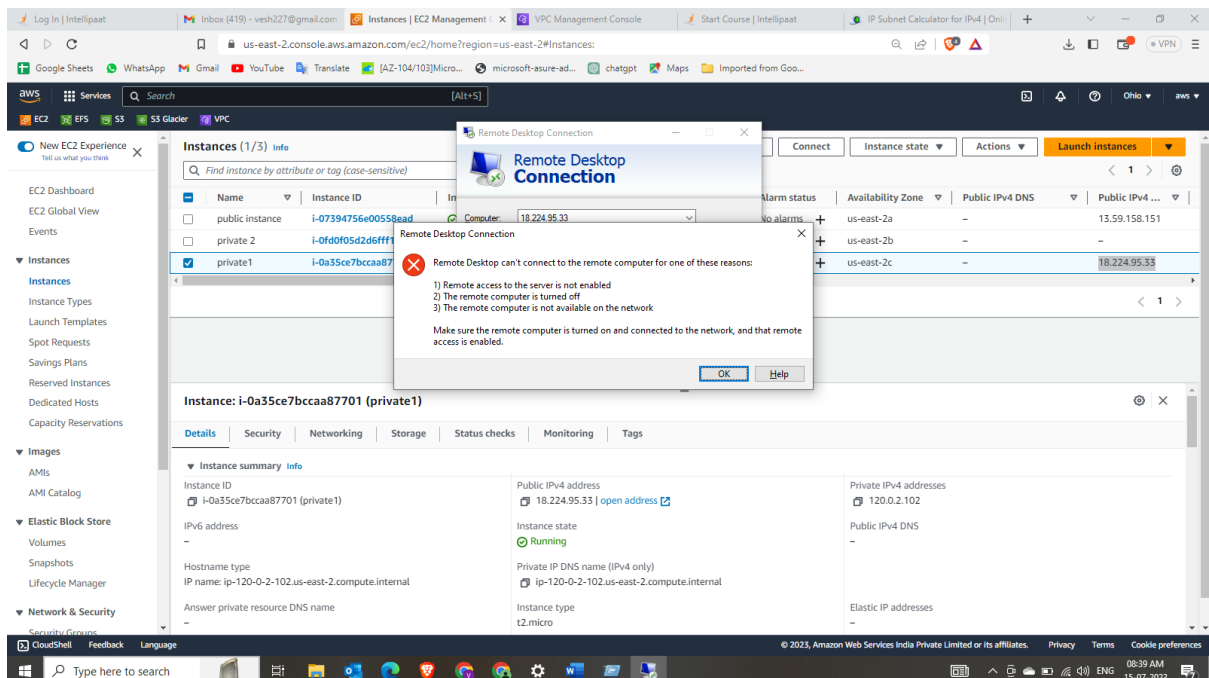
Buttons for 'Add route', 'Cancel', 'Preview', and 'Save changes' are visible at the bottom of the table.

Module 5: VPC Creation Assignment

13. Launched one Windows EC2 in Public Subnet.
Launched two Windows EC2 in a Private Subnet.

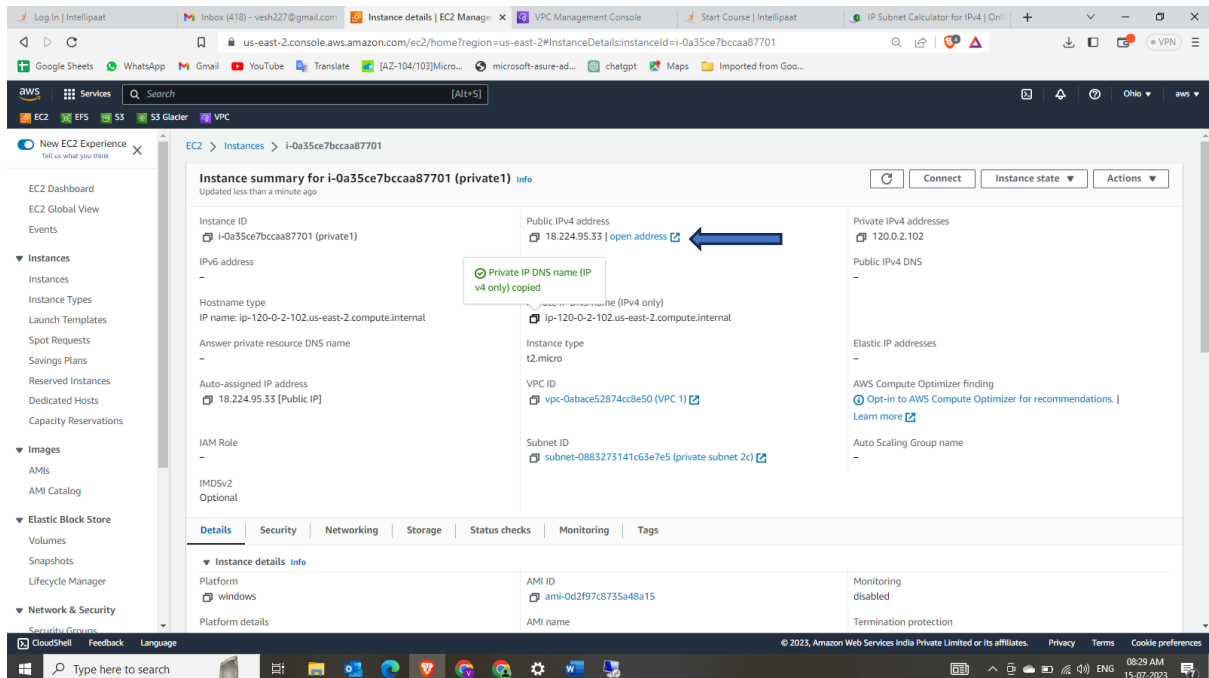


14. Private instance not able to access in my local machine.

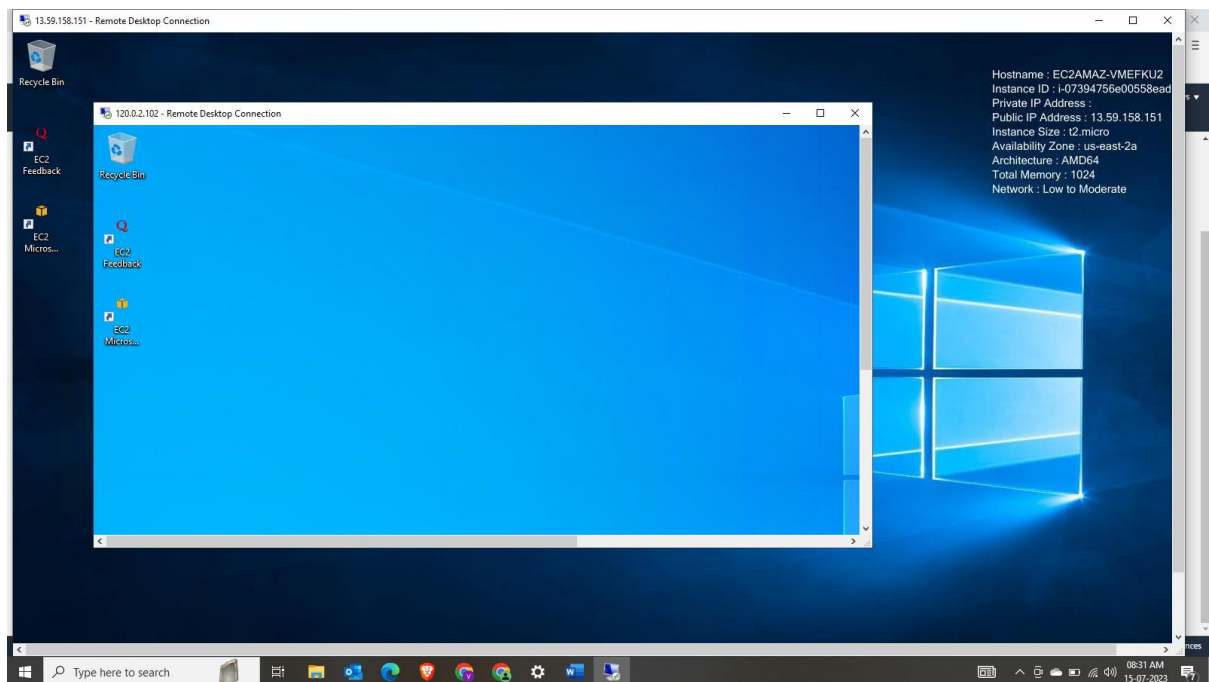


Module 5: VPC Creation Assignment

15. Copied public instance ip.



16. Connected in my local machine. Inside windows machine I can able access both private instances private ip's. (which I have created with private subnets)



Module 5: VPC Creation Assignment



17. VPC creation has been successfully done.