

AWS Zero to Hero (Essentials)

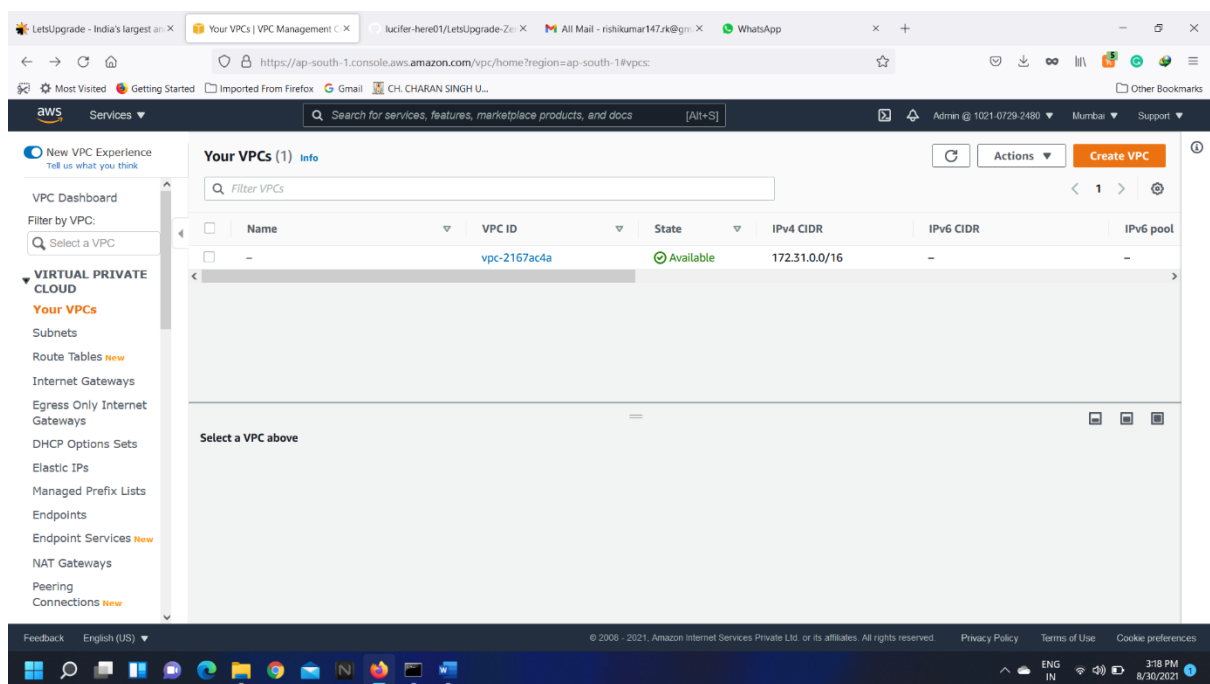
LetsUpgrade Day - 2

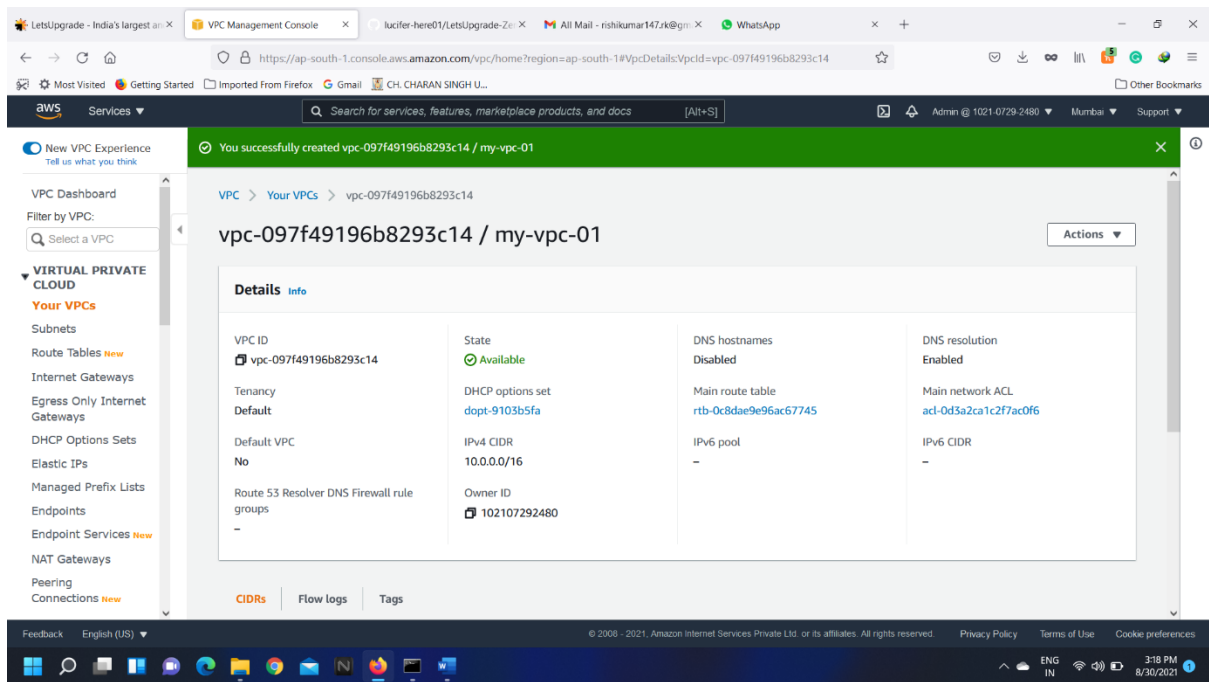
Assignment - 3

Name – Rishi Kumar

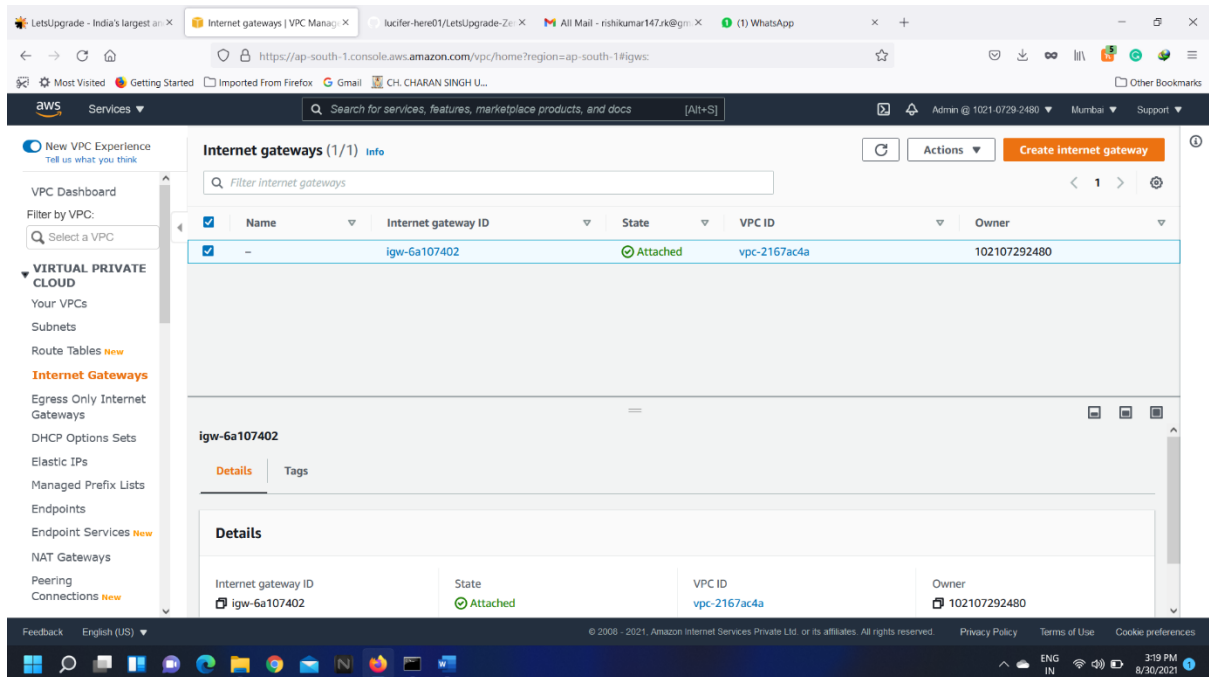
Email Id – Rishikumar147.rk@gmail.com

Task 1: Create a VPC





Task 2 : Create a Internet gateway and Attach to VPC



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https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#InternetGatewayinternetGatewayId=igw-0be965f8d09e84abe

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New VPC Experience Tell us what you think

VPC Dashboard

Filter by VPC:

Select a VPC

VIRTUAL PRIVATE CLOUD

Your VPCs

Subnets

Route Tables New

Internet Gateways

Egress Only Internet Gateways

DHCP Options Sets

Elastic IPs

Managed Prefix Lists

Endpoints

Endpoint Services New

NAT Gateways

Peering

Connections New

The following internet gateway was created: igw-0be965f8d09e84abe. You can now attach to a VPC to enable the VPC to communicate with the internet. Attach to a VPC

VPC > Internet gateways > igw-0be965f8d09e84abe

igw-0be965f8d09e84abe / new-igw-01

Actions

Details info

Internet gateway ID	State	VPC ID	Owner
igw-0be965f8d09e84abe	Detached	-	102107292480

Tags

Search tags

Manage tags

Key	Value
Name	new-igw-01

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https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#AttachInternetGatewayinternetGatewayId=igw-0be965f8d09e84abe

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VPC > Internet gateways > Attach to VPC (igw-0be965f8d09e84abe)

Attach to VPC (igw-0be965f8d09e84abe) Info

VPC

Attach an internet gateway to a VPC to enable the VPC to communicate with the internet. Specify the VPC to attach below.

Available VPCs

Attach the internet gateway to this VPC.

Q vpc-097f49196b8293c14 X

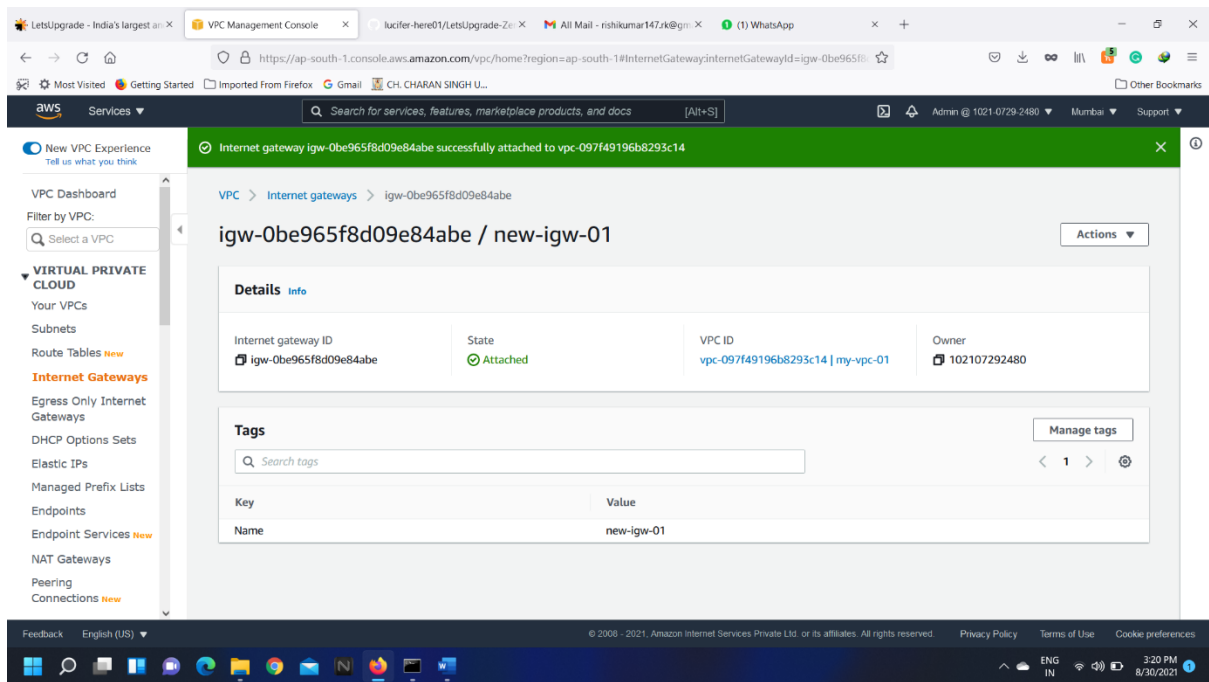
AWS Command Line Interface command

Cancel Attach internet gateway

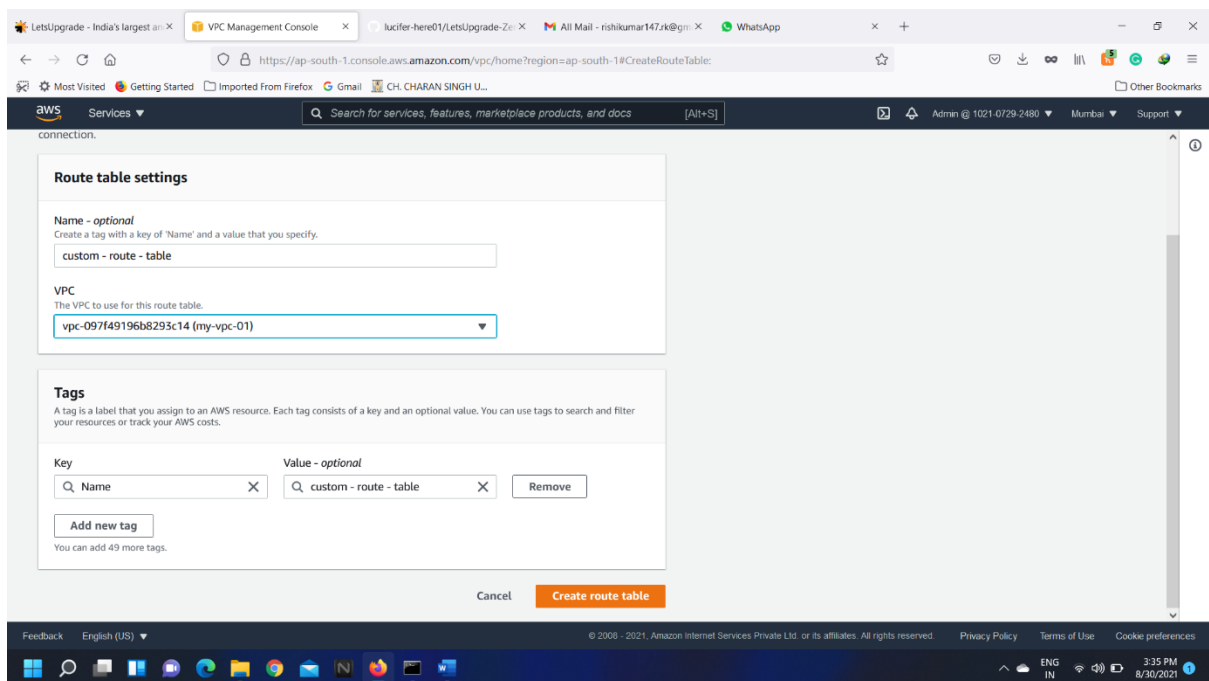
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Task 3 : Create a route table and add route to igw



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https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#RouteTableDetailsRouteTableId=rtb-05d2a7e3458c8ebf2

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New VPC Experience Tell us what you think

VPC Dashboard Filter by VPC: Select a VPC

VIRTUAL PRIVATE CLOUD Your VPCs Subnets Route Tables New Internet Gateways Egress Only Internet Gateways DHCP Options Sets Elastic IPs Managed Prefix Lists Endpoints Endpoint Services New NAT Gateways Peering Connections New

Route table rtb-05d2a7e3458c8ebf2 | custom - route - table was created successfully.

VPC > Route tables > rtb-05d2a7e3458c8ebf2

rtb-05d2a7e3458c8ebf2 / custom - route - table Actions

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

Details info

Route table ID rtb-05d2a7e3458c8ebf2	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-097f49196b8293c14 my-vpc-01	Owner ID 102107292480		

Routes Subnet associations Edge associations Route propagation Tags

Routes (1) Edit routes

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https://ap-south-1.console.aws.amazon.com/vpc/home?region=ap-south-1#EditRoutesRouteTableId=rtb-05d2a7e3458c8ebf2

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VPC > Route tables > rtb-05d2a7e3458c8ebf2 > Edit routes

Edit routes

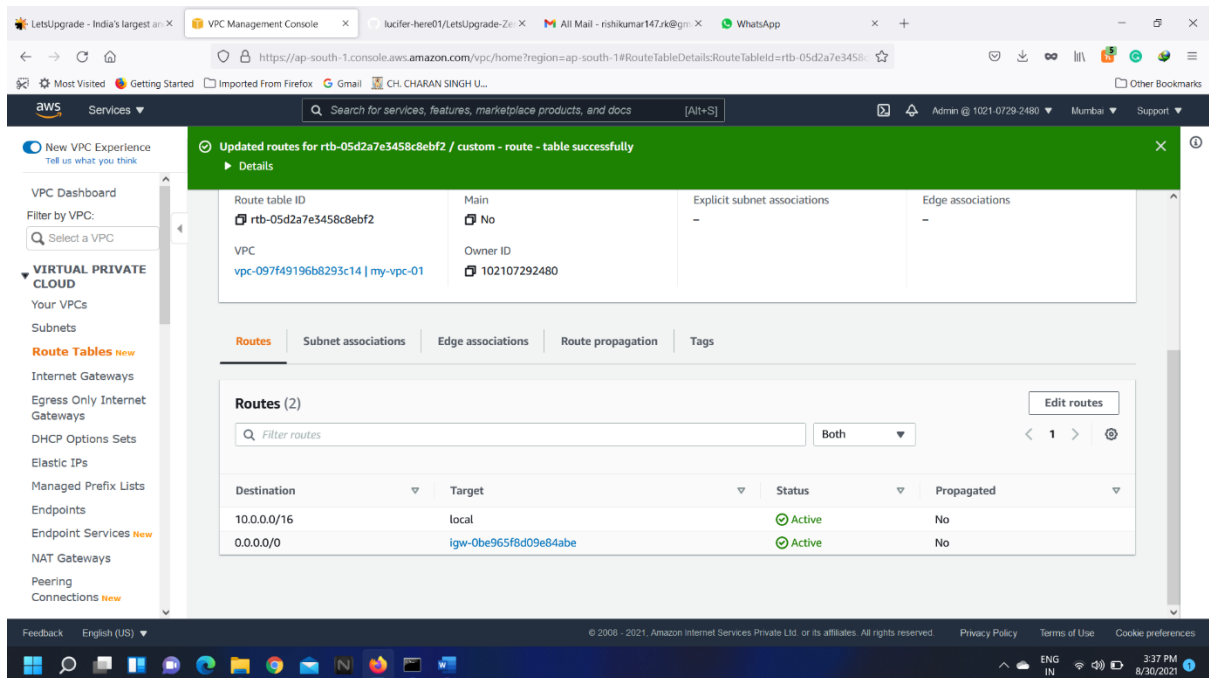
Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-0be965f8d09e84abe	-	No

Add route Remove

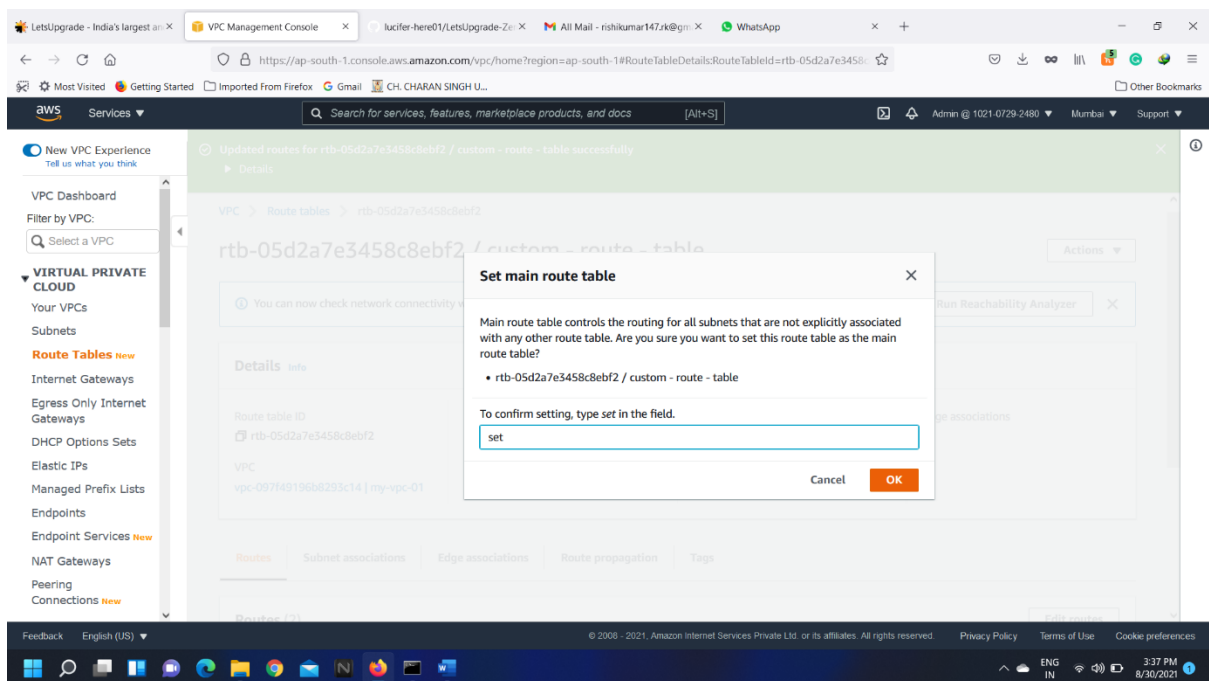
Cancel Preview Save changes

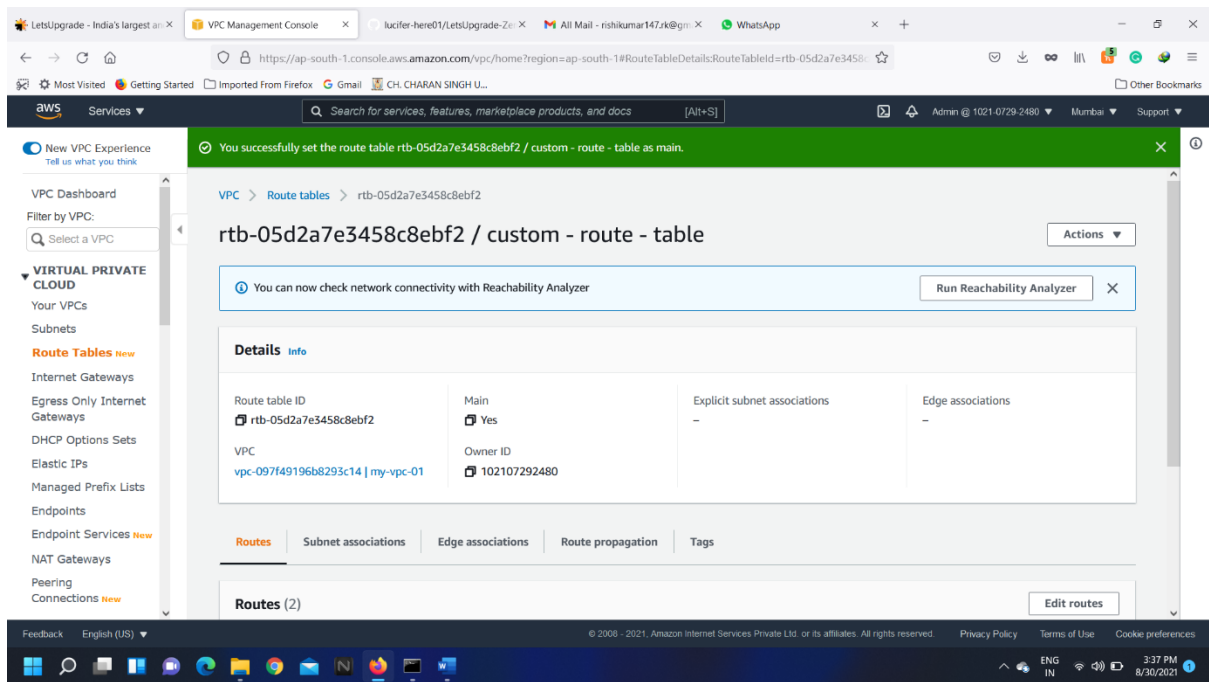
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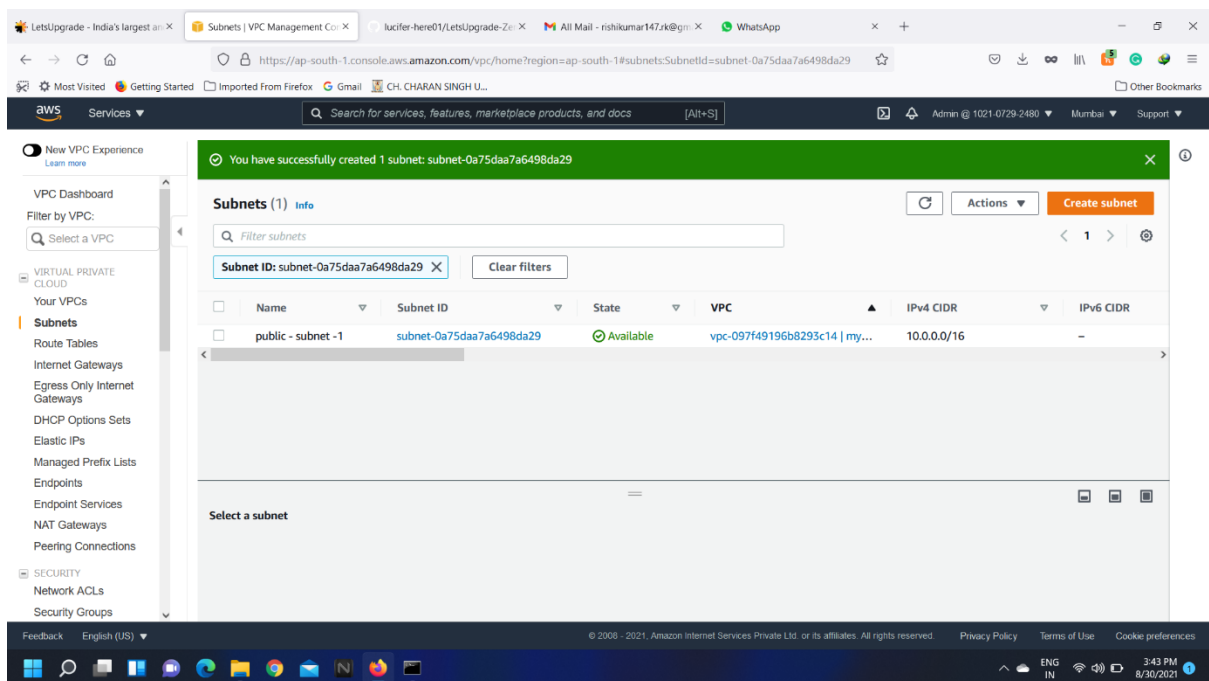


Task 4 : make custom route table to main route table

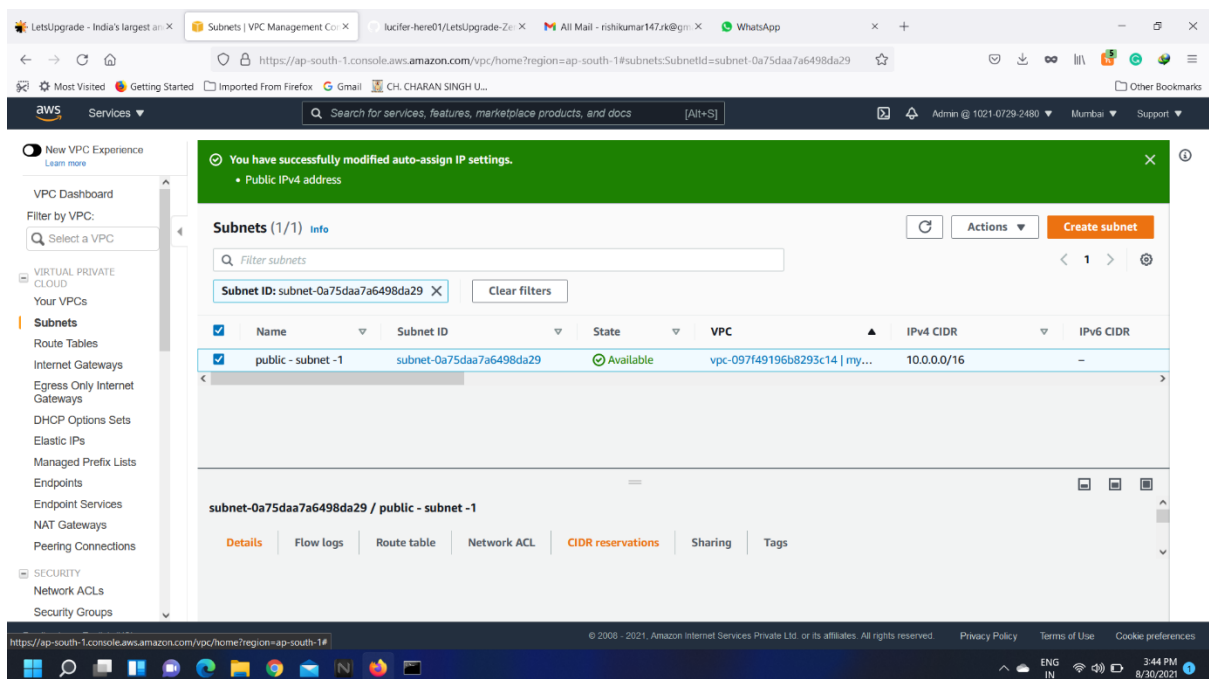
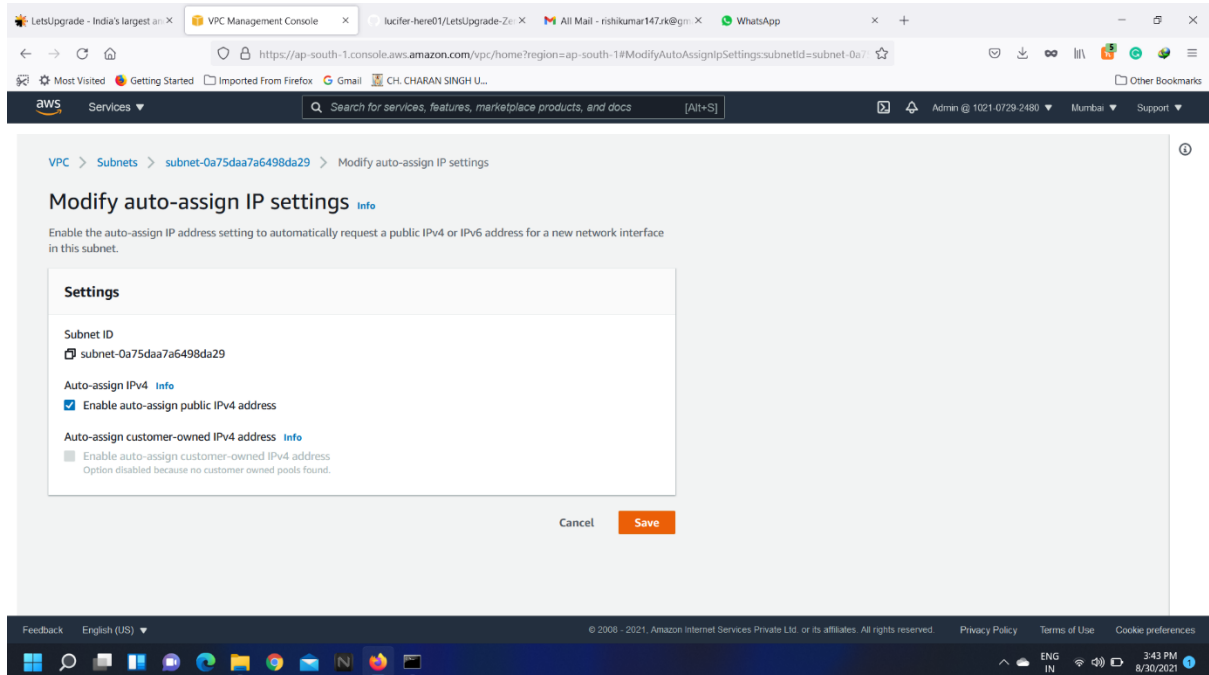




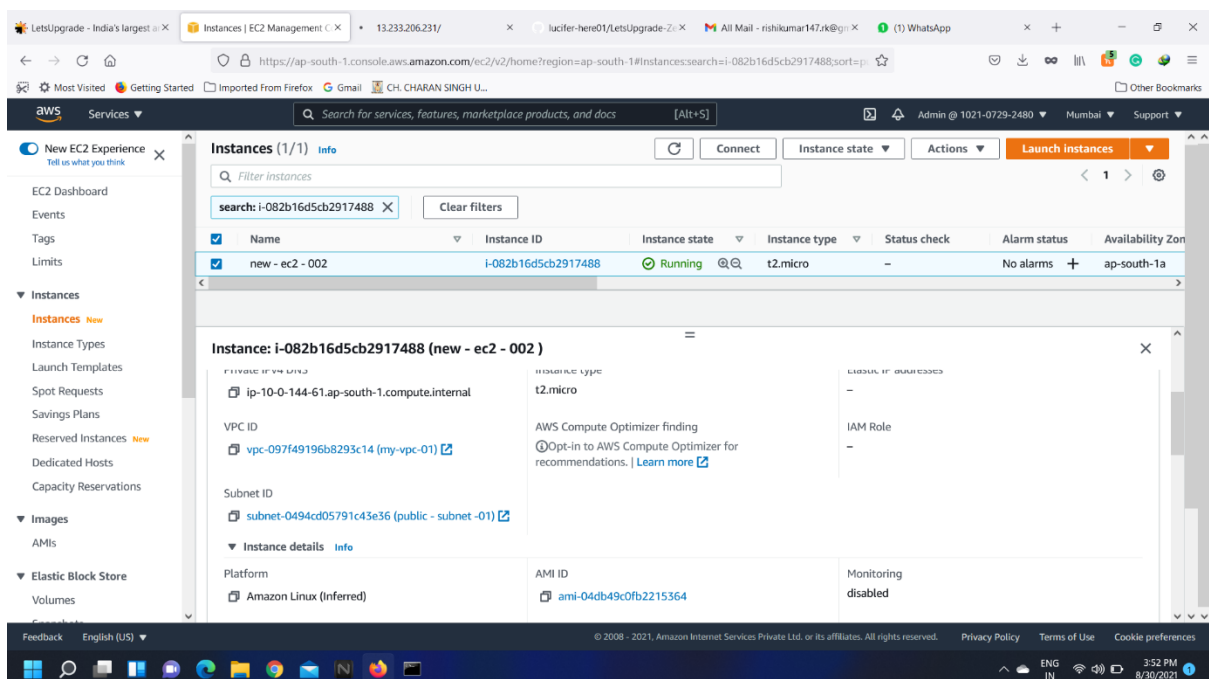
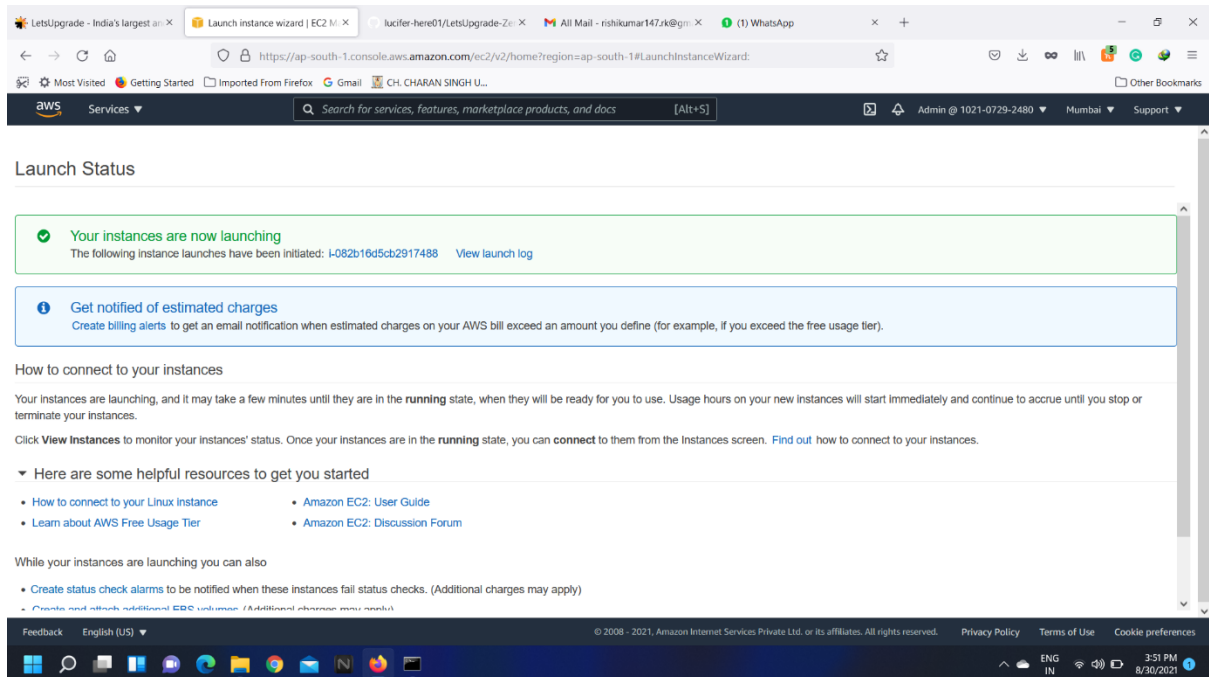
Task 5 : Create the subnet



Task 6 : Modify auto assign IP Setting for the subnet



Task 7 : Lunch EC2 in Custome VPC



You can see the new-ec2-002 is Lunched in my-vpc-01 (custom VPC)

Thanks .