Assignment-3

VPC

Aditya Bhutada

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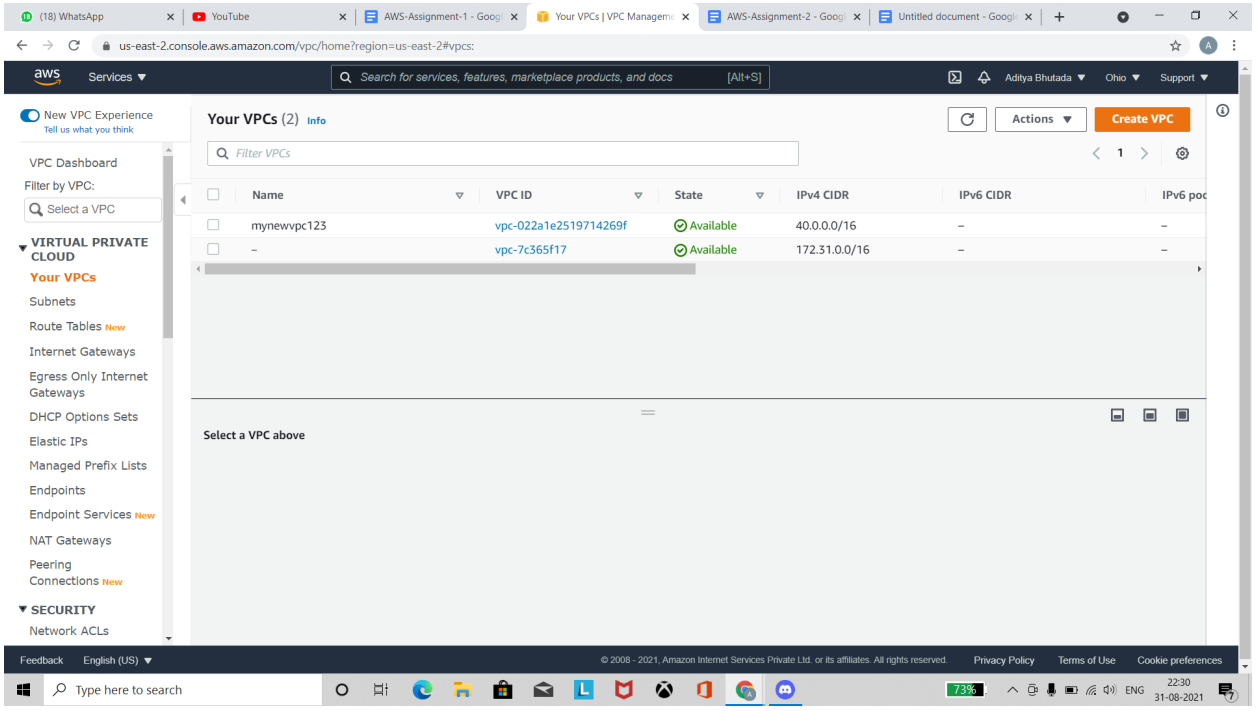

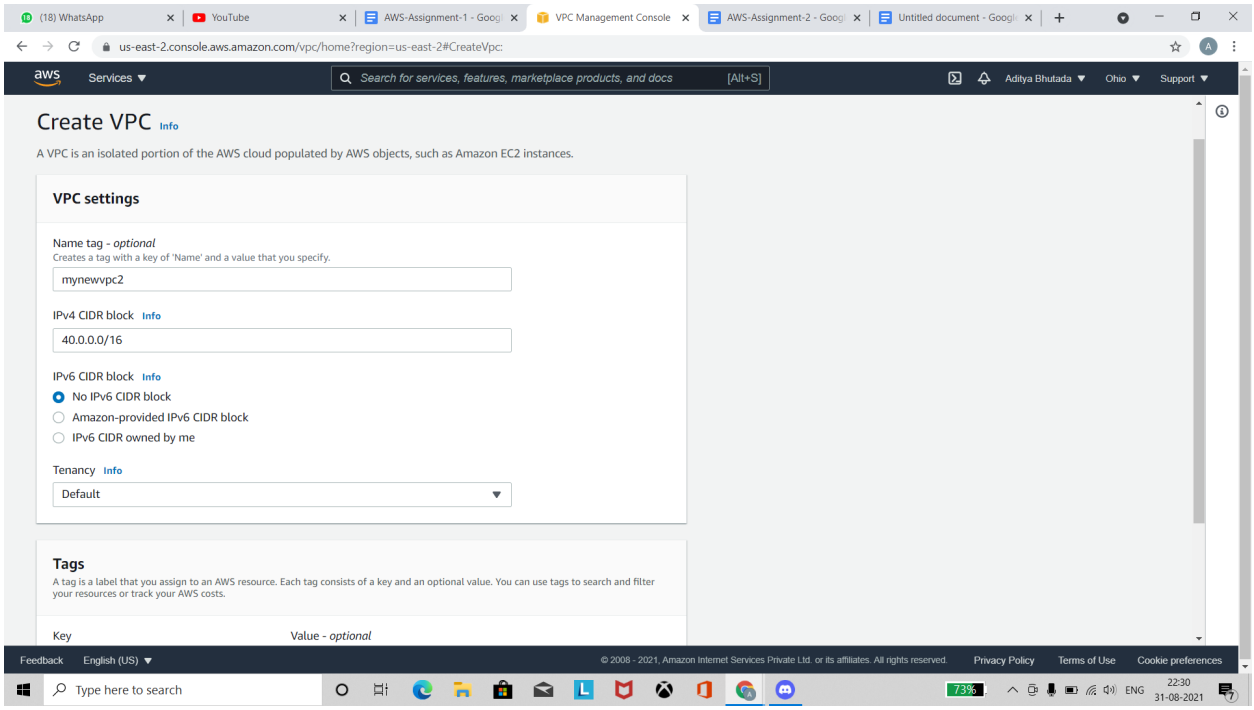
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VPC Management Console
AWS-Assignment-2 - Goog
Untitled document - Google
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#CreateVpc:
aws
Services
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Support
Create VPC Info
A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances.
VPC settings
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify.
mynewvpc2
IPv4 CIDR block Info
40.0.0.0/16
IPv6 CIDR block Info
No IPv6 CIDR block
Amazon-provided IPv6 CIDR block
IPv6 CIDR owned by me
Tenancy Info
Default
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
Feedback
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ENG
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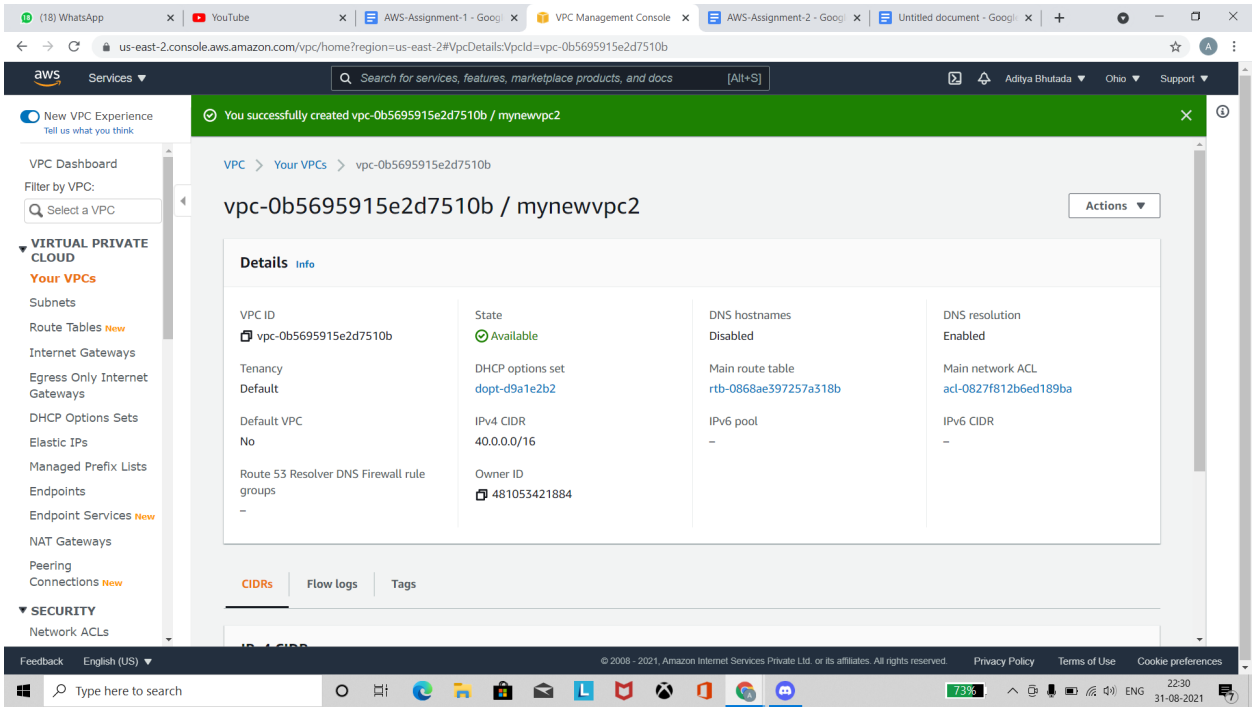
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AWS-Assignment-2 - Goog
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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#VpcDetails:VpcId=vpc-0b5695915e2d7510b
aws
Services
Search for services, features, marketplace products, and docs [Alt+S]
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Support
New VPC Experience
Tell us what you think
You successfully created vpc-0b5695915e2d7510b / mynewvpc2
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
SECURITY
Network ACLs
VPC > Your VPCs > vpc-0b5695915e2d7510b
vpc-0b5695915e2d7510b / mynewvpc2
Actions
Details Info
VPC ID
vpc-0b5695915e2d7510b
State
Available
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
Default
DHCP options set
dopt-d9a1e2b2
Main route table
rtb-0868ae397257a318b
Main network ACL
acl-0827f812b6ed189ba
Default VPC
No
IPv4 CIDR
40.0.0.0/16
IPv6 pool
-
IPv6 CIDR
-
Route 53 Resolver DNS Firewall rule groups
-
Owner ID
481053421884
CIDRs
Flow logs
Tags
Feedback
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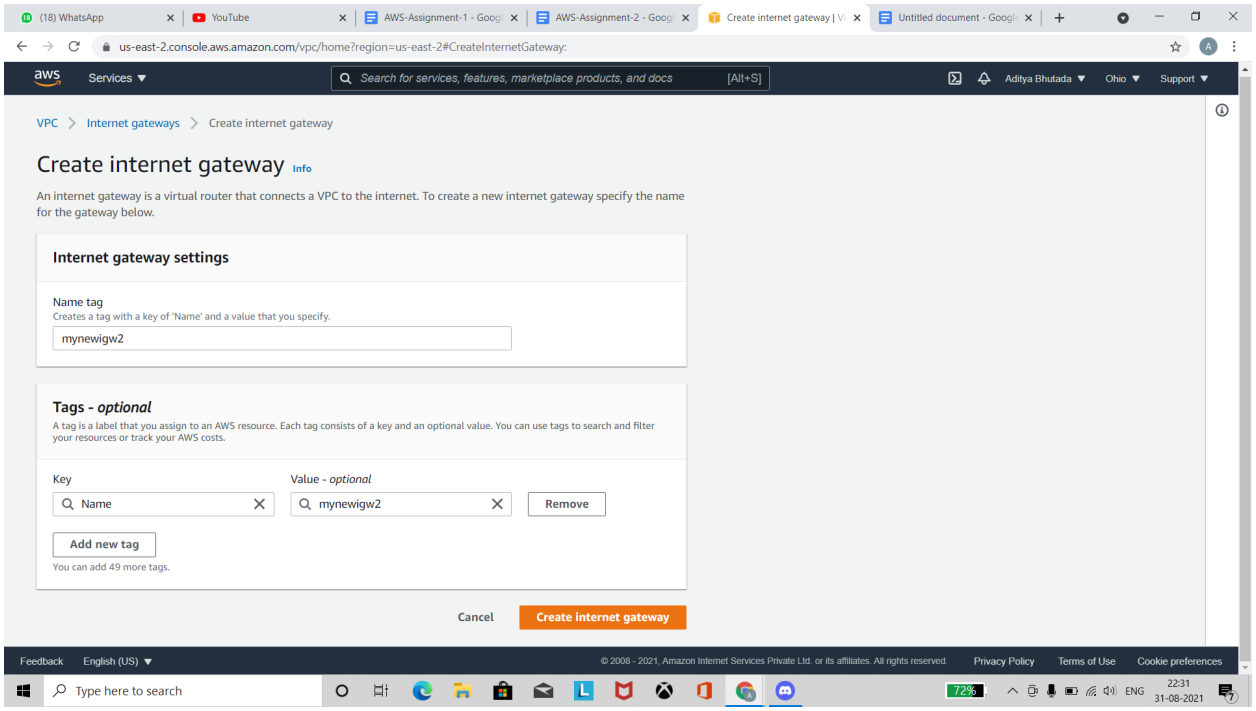
IGW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AWS-Assignment-2 - Goog
Create internet gateway | V
Untitled document - Google
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#CreateInternetGateway:
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Support
VPC > Internet gateways > Create internet gateway
Create internet gateway Info
An internet gateway is a virtual router that connects a VPC to the internet. To create a new internet gateway specify the name for the gateway below.
Internet gateway settings
Name tag
Creates a tag with a key of 'Name' and a value that you specify.
mynewigw2
Tags - optional
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
mynewigw2
Remove
Add new tag
You can add 49 more tags.
Cancel
Create internet gateway
Feedback
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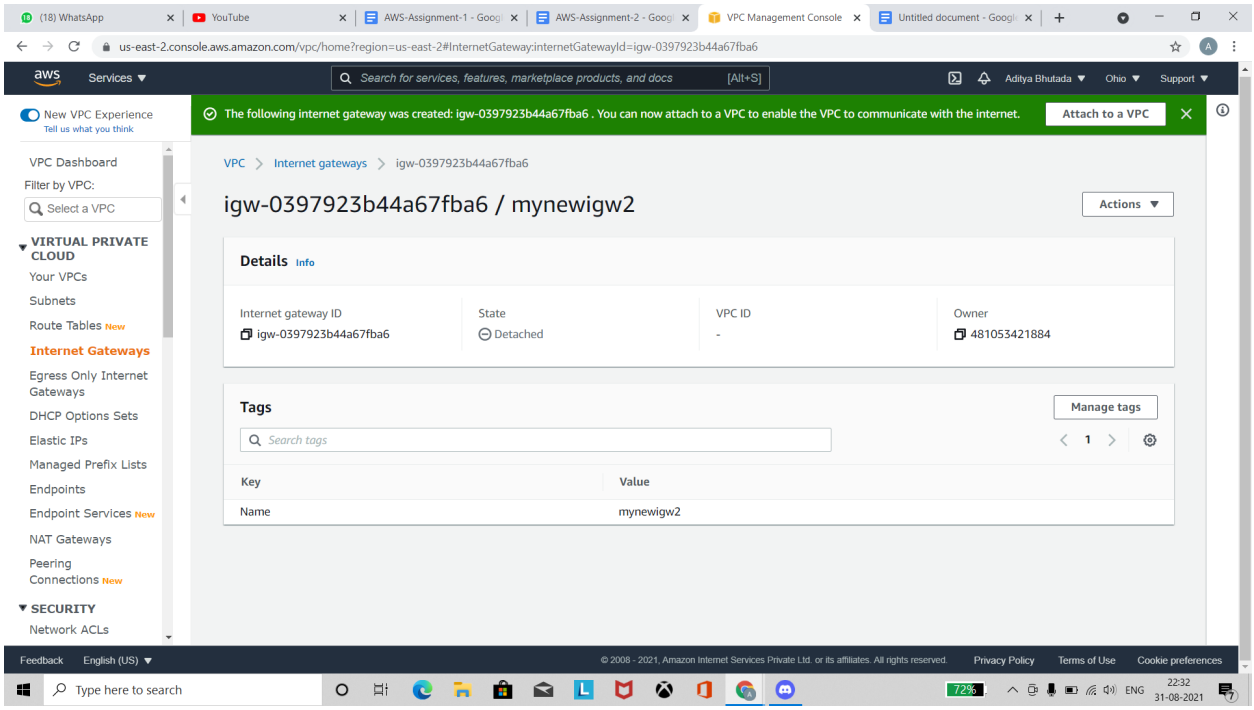
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AWS-Assignment-2 - Goog
VPC Management Console
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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#InternetGateway:internetGatewayId=igw-0397923b44a67fba6
aws
Services
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Support
New VPC Experience
Tell us what you think
The following internet gateway was created: igw-0397923b44a67fba6 . You can now attach to a VPC to enable the VPC to communicate with the internet.
Attach to a VPC
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
SECURITY
Network ACLs
VPC > Internet gateways > igw-0397923b44a67fba6
igw-0397923b44a67fba6 / mynewigw2
Actions
Details Info
Internet gateway ID
igw-0397923b44a67fba6
State
Detached
VPC ID
-
Owner
481053421884
Tags
Manage tags
Search tags
1
Key
Value
Name
mynewigw2
Feedback
English (US)
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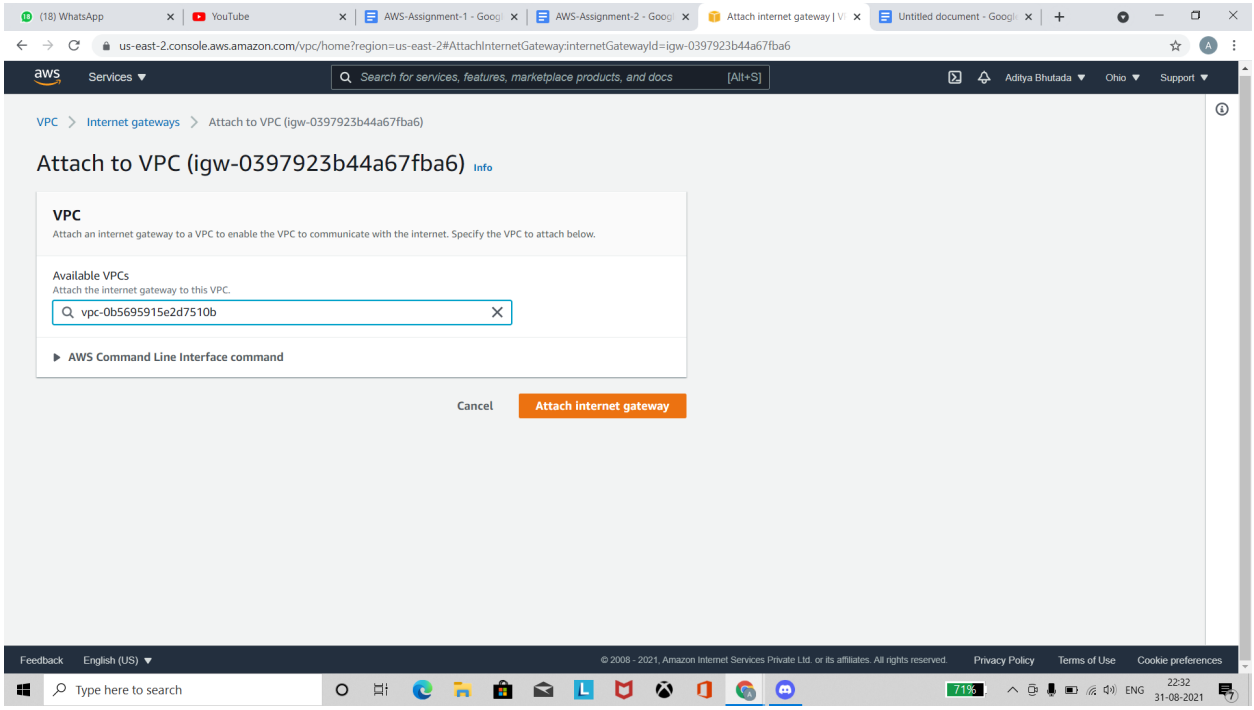
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Attach internet gateway | V
Untitled document - Google
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#AttachInternetGateway:internetGatewayId=igw-0397923b44a67fba6
aws
Services
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Support
VPC > Internet gateways > Attach to VPC (igw-0397923b44a67fba6)
Attach to VPC (igw-0397923b44a67fba6) 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.
vpc-0b5695915e2d7510b
AWS Command Line Interface command
Cancel
Attach internet gateway
Feedback
English (US)
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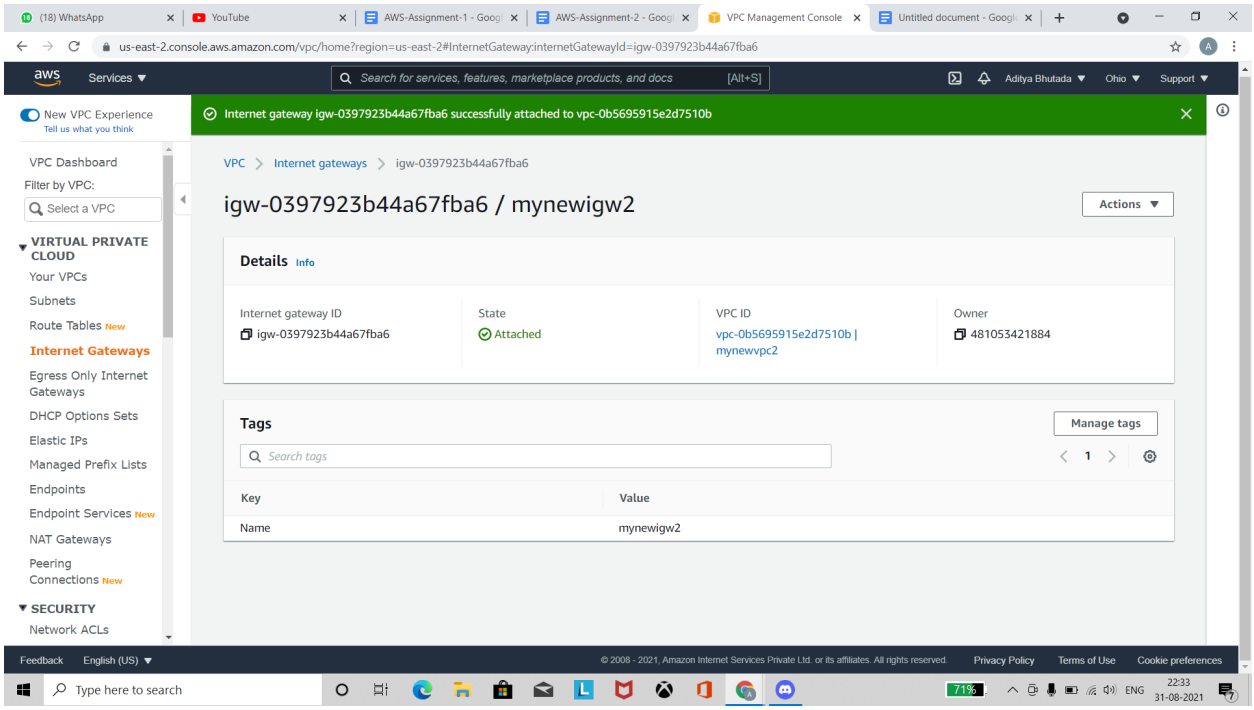
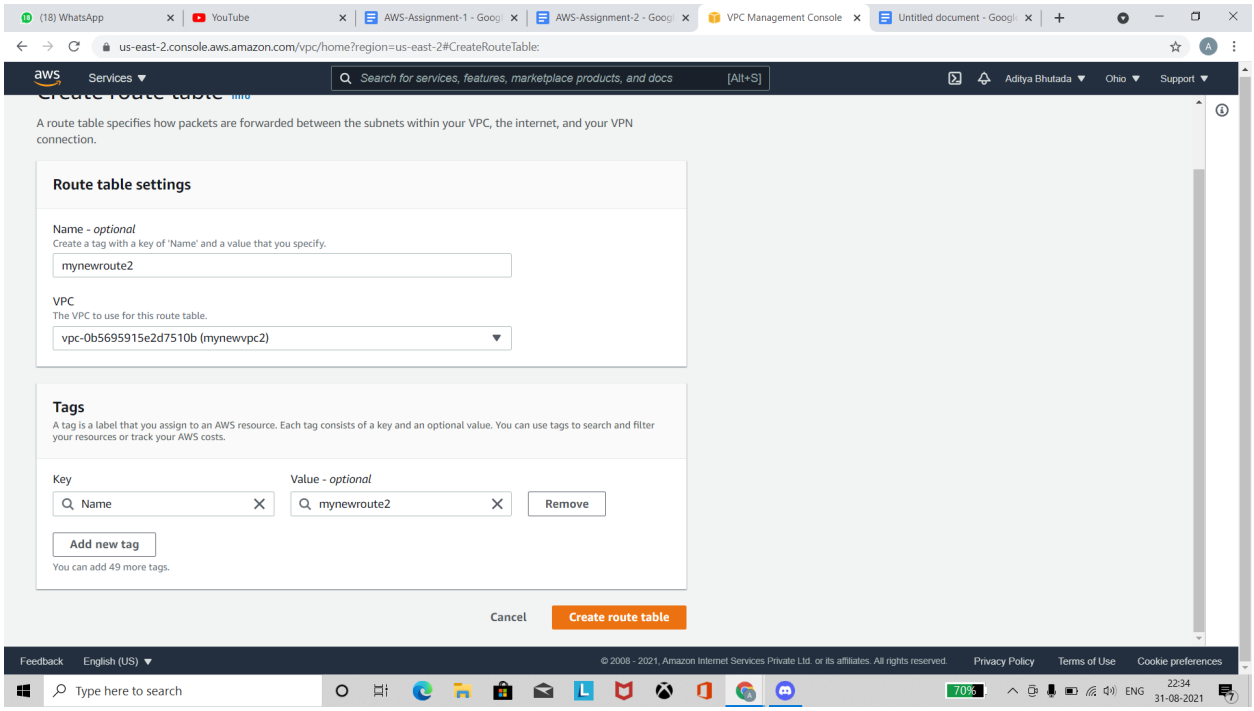
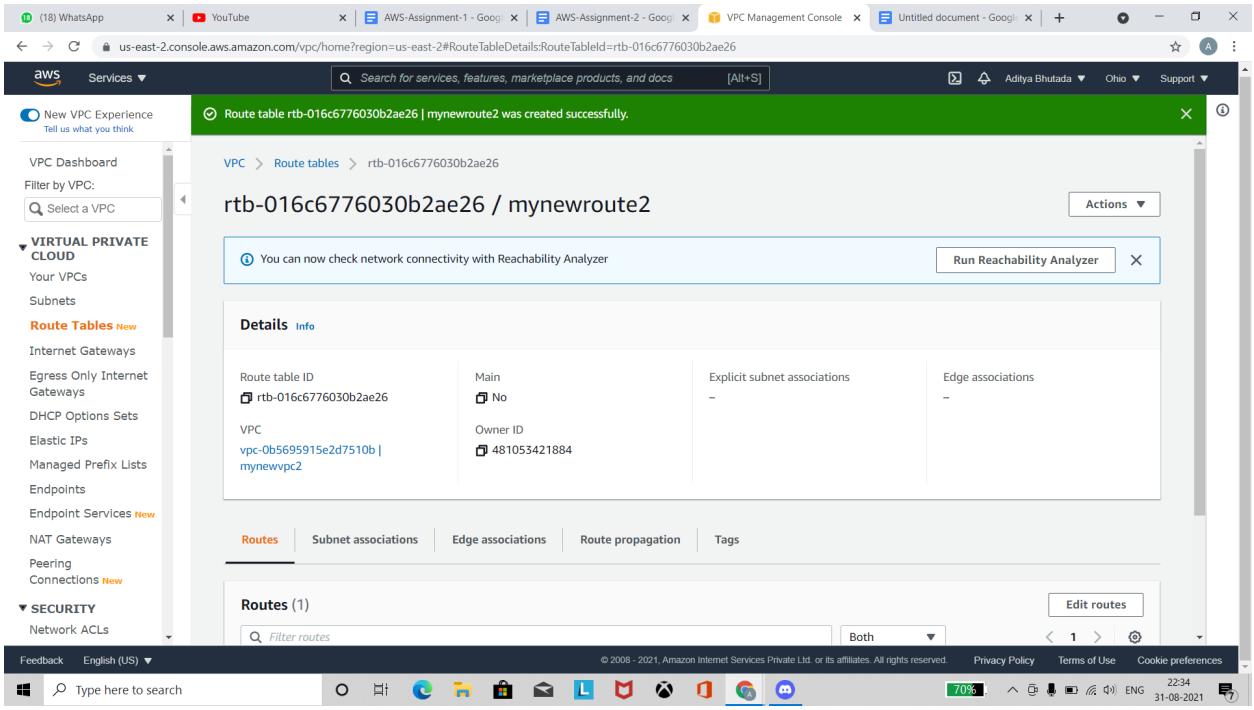
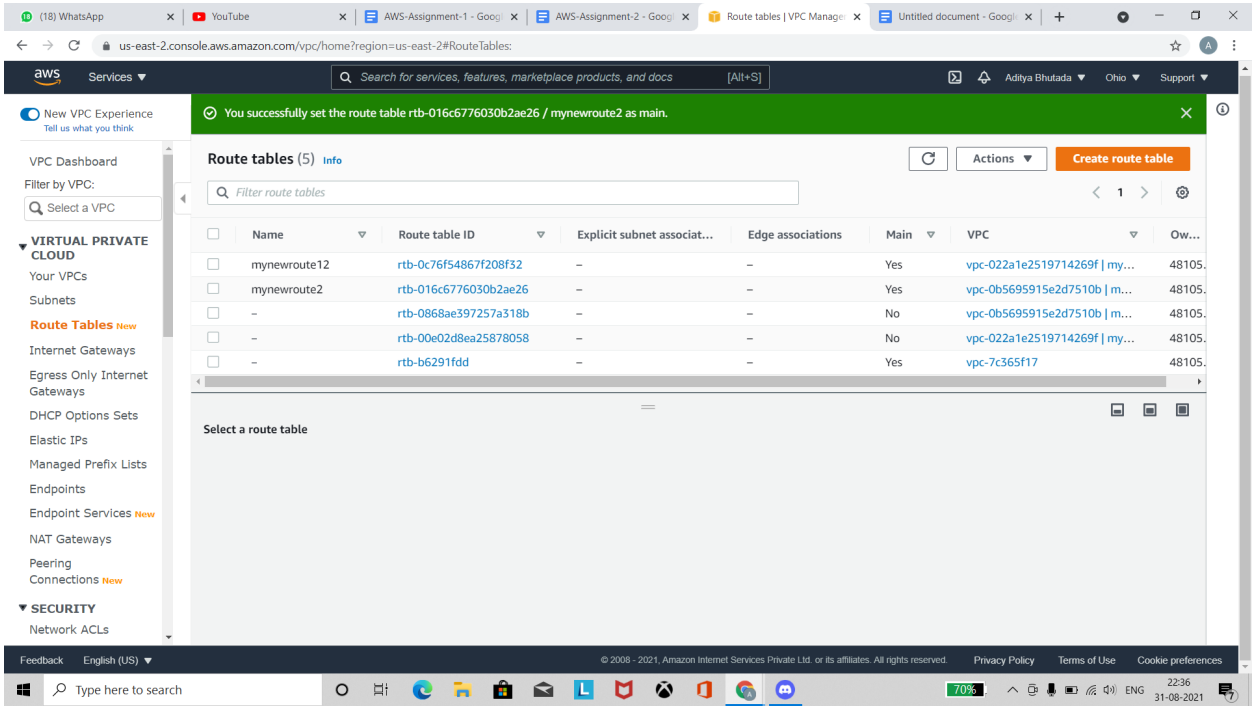
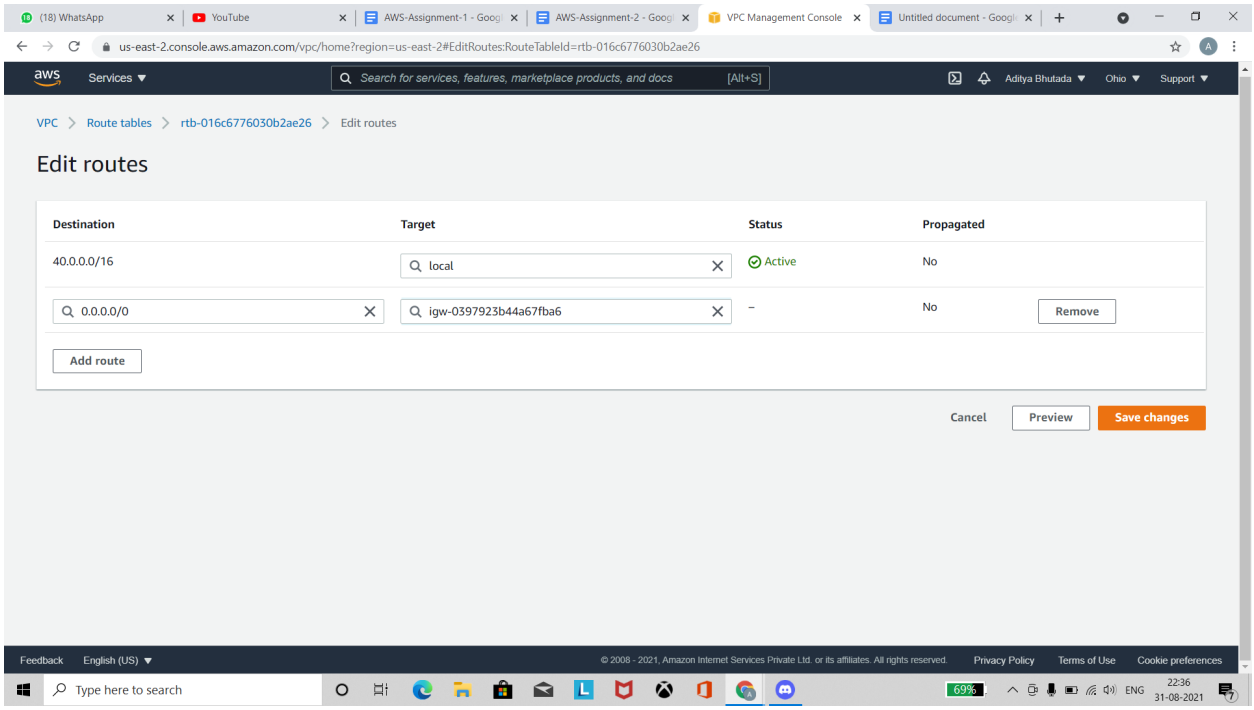

Internet gateway igw-0397923b44a67fba6 successfully attached to vpc-0b5695915e2d7510b
VPC > Internet gateways > igw-0397923b44a67fba6
igw-0397923b44a67fba6 / mynewigw2
Actions
Details Info
Internet gateway ID
igw-0397923b44a67fba6
State
Attached
VPC ID
vpc-0b5695915e2d7510b | mynewvpc2
Owner
481053421884
Tags
Manage tags
Search tags
Key
Value
Name
mynewigw2

Route Table


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.
mynewroute2
VPC
The VPC to use for this route table.
vpc-0b5695915e2d7510b (mynewvpc2)
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
mynewroute2
Remove
Add new tag
You can add 49 more tags.
Cancel
Create route table


Route table rtb-016c6776030b2ae26 | mynewroute2 was created successfully.
VPC > Route tables > rtb-016c6776030b2ae26
rtb-016c6776030b2ae26 / mynewroute2
Actions
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Details Info
Route table ID
rtb-016c6776030b2ae26
Main
No
Explicit subnet associations
–
Edge associations
–
VPC
vpc-0b5695915e2d7510b | mynewvpc2
Owner ID
481053421884
Routes
Subnet associations
Edge associations
Route propagation
Tags
Routes (1)
Edit routes
Filter routes
Both


You successfully set the route table rtb-016c6776030b2ae26 / mynewroute2 as main.
Route tables (5) Info
Actions
Create route table
Filter route tables
Name
Route table ID
Explicit subnet associat...
Edge associations
Main
VPC
mynewroute12
rtb-0c76f54867f208f32
Yes
mynewroute2
rtb-016c6776030b2ae26
Yes
rtb-0868ae397257a318b
No
rtb-00e02d8ea25878058
No
rtb-b6291fdd
Yes
vpc-7c365f17
Select a route table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AWS-Assignment-2 - Goog
VPC Management Console
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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#EditRoutes:RouteTableId=rtb-016c6776030b2ae26
aws
Services
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Support
VPC > Route tables > rtb-016c6776030b2ae26 > Edit routes
Edit routes
Destination
Target
Status
Propagated
40.0.0.0/16
local
Active
No
0.0.0.0/0
igw-0397923b44a67fba6
-
No
Remove
Add route
Cancel
Preview
Save changes
Feedback
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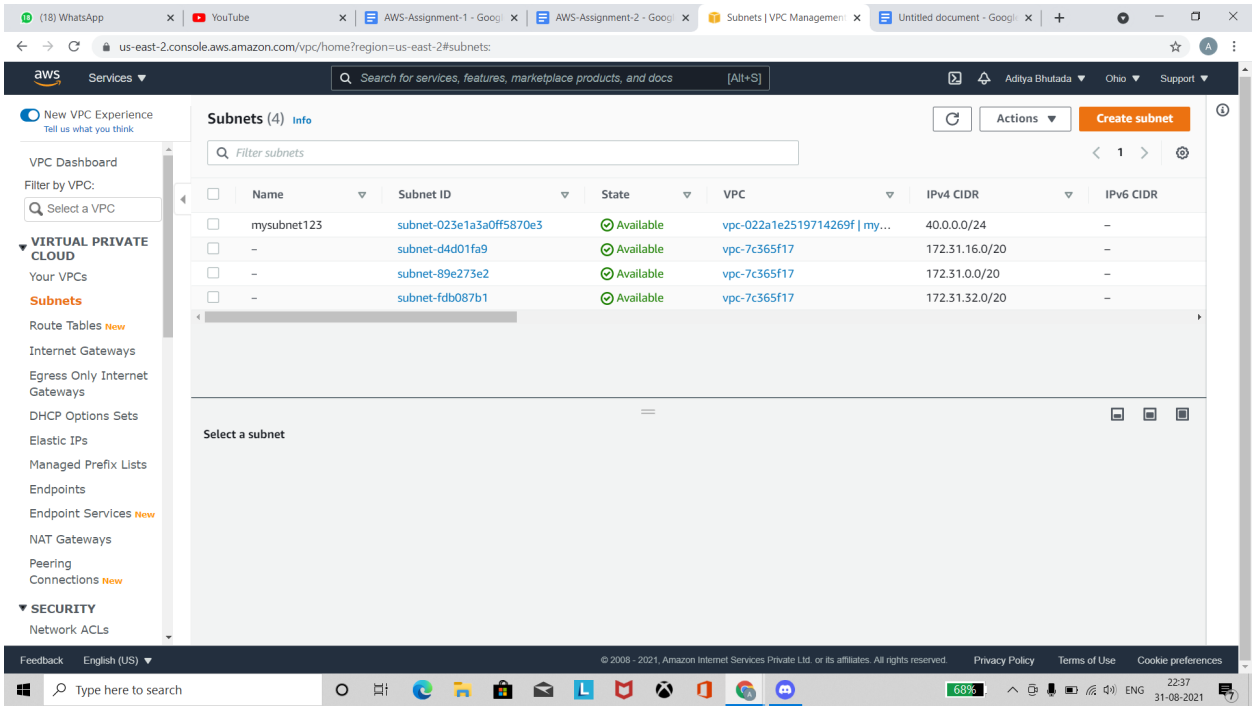
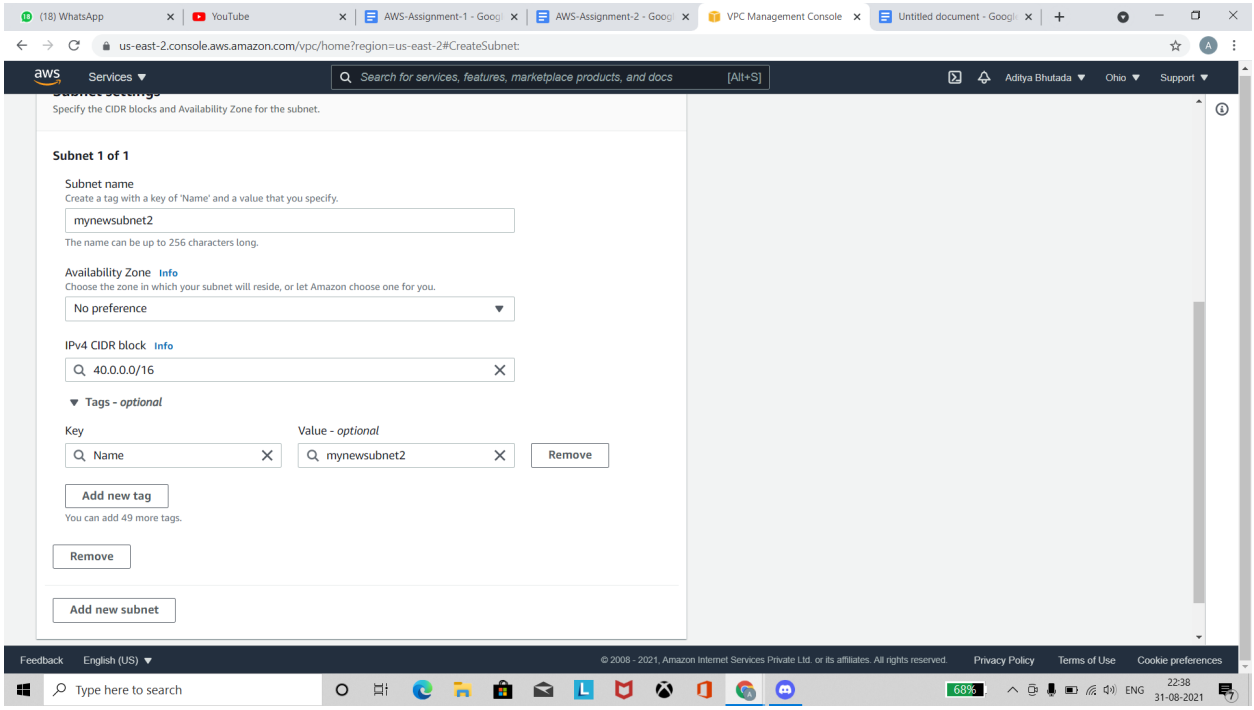
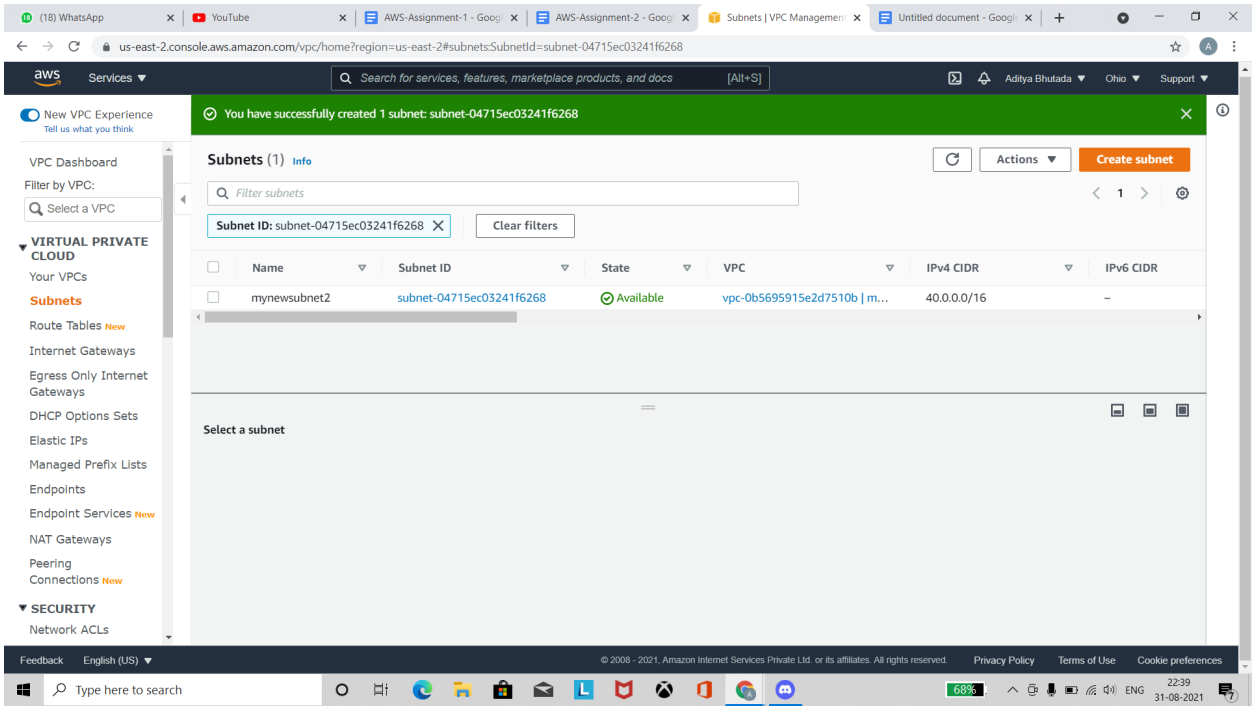
Subnets


Subnets (4) Info
Actions
Create subnet
Filter subnets
Name
Subnet ID
State
VPC
IPv4 CIDR
IPv6 CIDR
mysubnet123
subnet-023e1a3a0ff5870e3
Available
vpc-022a1e2519714269f | my...
40.0.0.0/24
subnet-d4d01fa9
vpc-7c365f17
172.31.16.0/20
subnet-89e273e2
172.31.0.0/20
subnet-fdb087b1
172.31.32.0/20
Select a subnet
VPC Dashboard
Subnets
Route Tables
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Endpoint Services
NAT Gateways
Peering Connections
Network ACLs


Specify the CIDR blocks and Availability Zone for the subnet.
Subnet 1 of 1
Subnet name
Create a tag with a key of 'Name' and a value that you specify.
mynewsubnet2
The name can be up to 256 characters long.
Availability Zone Info
Choose the zone in which your subnet will reside, or let Amazon choose one for you.
No preference
IPv4 CIDR block Info
40.0.0.0/16
Tags - optional
Key
Value - optional
Name
mynewsubnet2
Remove
Add new tag
You can add 49 more tags.
Remove
Add new subnet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Subnets | VPC Managemen
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aws
Services
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Support
New VPC Experience
Tell us what you think
You have successfully created 1 subnet: subnet-04715ec03241f6268
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
SECURITY
Network ACLs
Subnets (1) Info
Actions
Create subnet
Filter subnets
Subnet ID: subnet-04715ec03241f6268
Clear filters
Name
Subnet ID
State
VPC
IPv4 CIDR
IPv6 CIDR
mynewsubnet2
subnet-04715ec03241f6268
Available
vpc-0b5695915e2d7510b | m...
40.0.0.0/16
Select a subnet
Feedback
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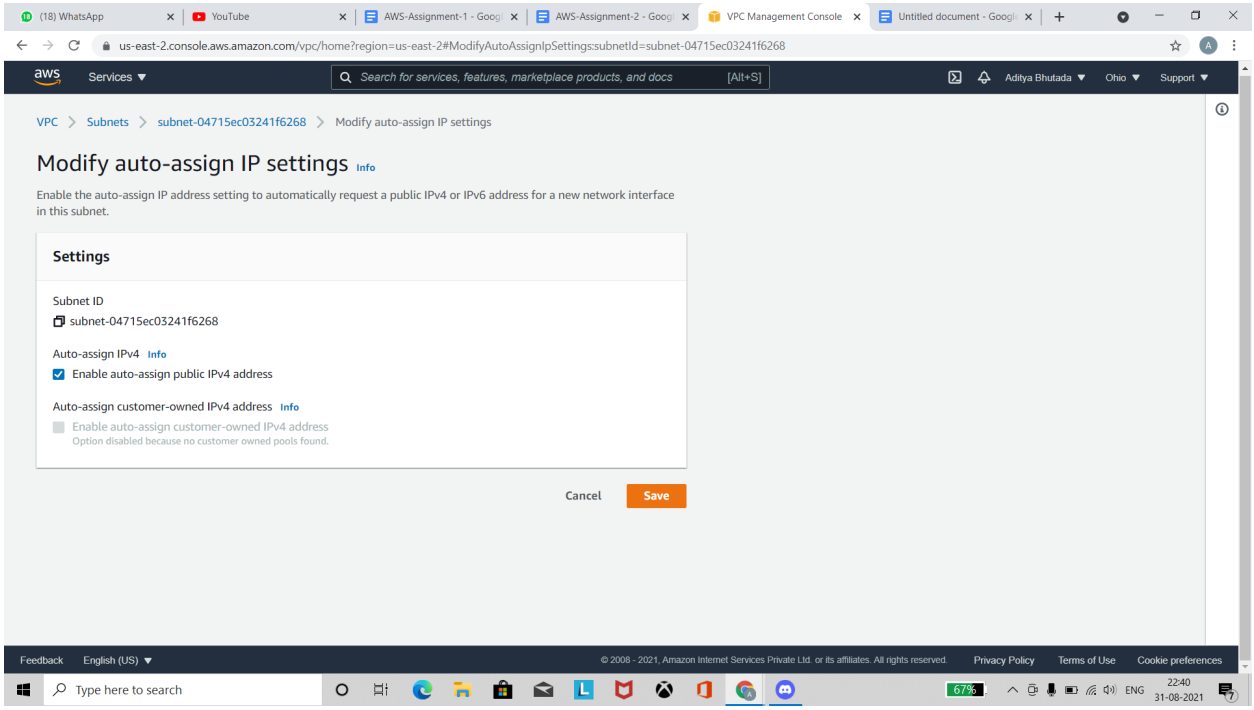
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AWS-Assignment-2 - Goog
VPC Management Console
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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#ModifyAutoAssignIpSettings:subnetId=subnet-04715ec03241f6268
aws
Services
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Support
VPC > Subnets > subnet-04715ec03241f6268 > Modify auto-assign IP settings
Modify auto-assign IP settings Info
Enable the auto-assign IP address setting to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet.
Settings
Subnet ID
subnet-04715ec03241f6268
Auto-assign IPv4 Info
Enable auto-assign public IPv4 address
Auto-assign customer-owned IPv4 address Info
Enable auto-assign customer-owned IPv4 address
Option disabled because no customer owned pools found.
Cancel
Save
Feedback
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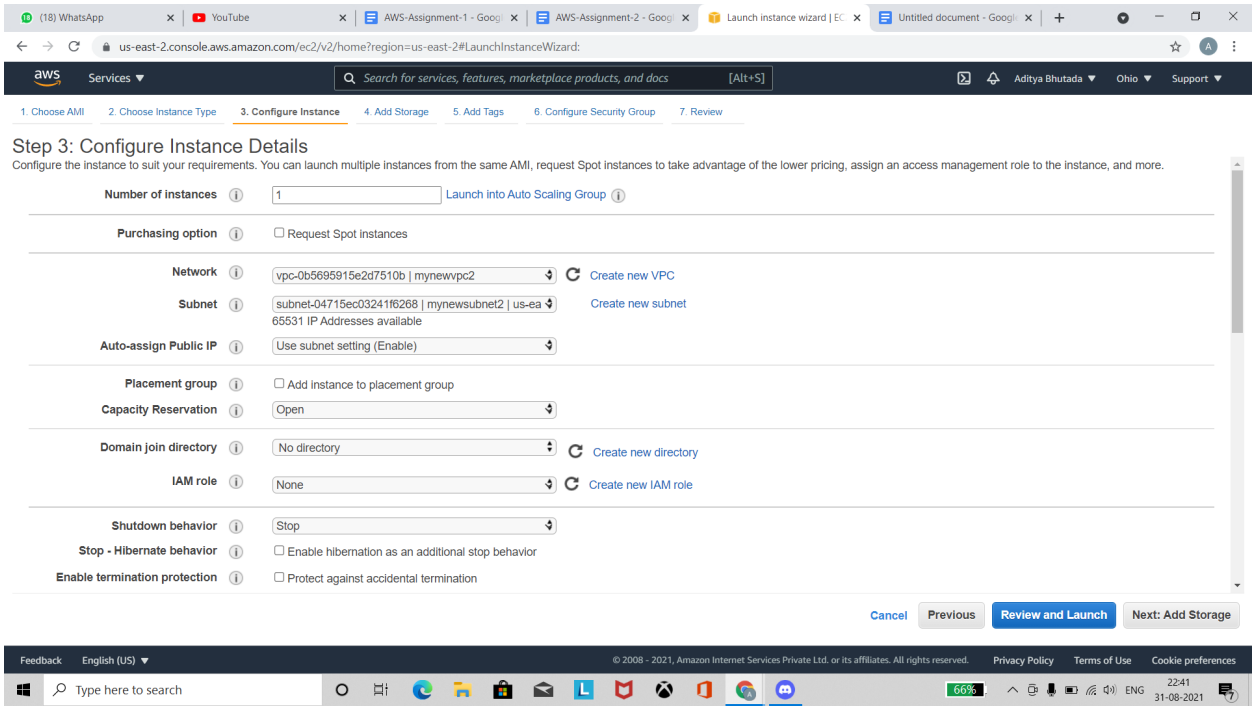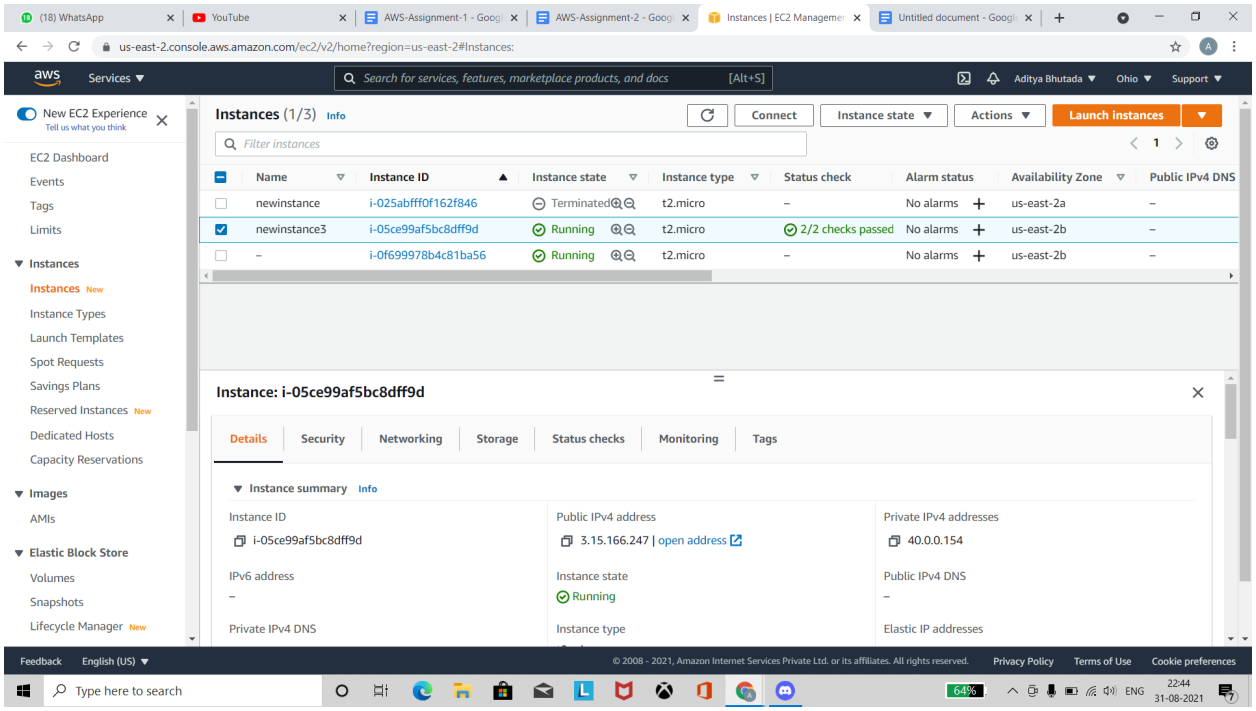
New instance