Assignment 3

Working with VPC

1.Create a VPC

2.Create a internet gateway and attach to VPC

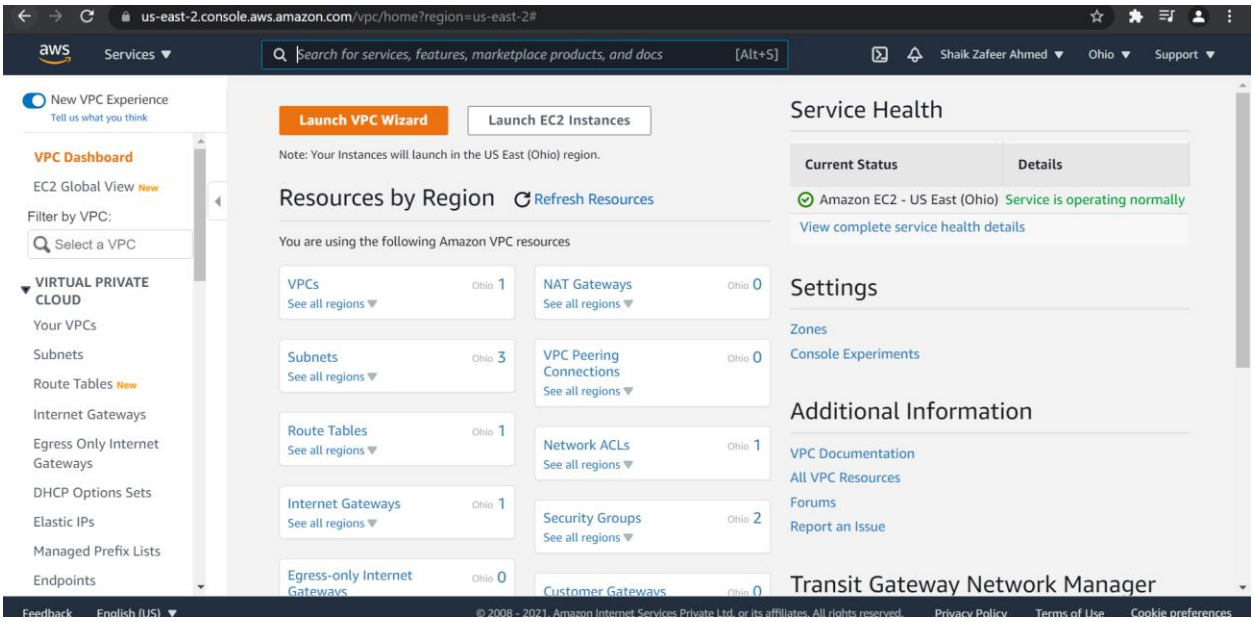
3.Create a route table and add route to IGW

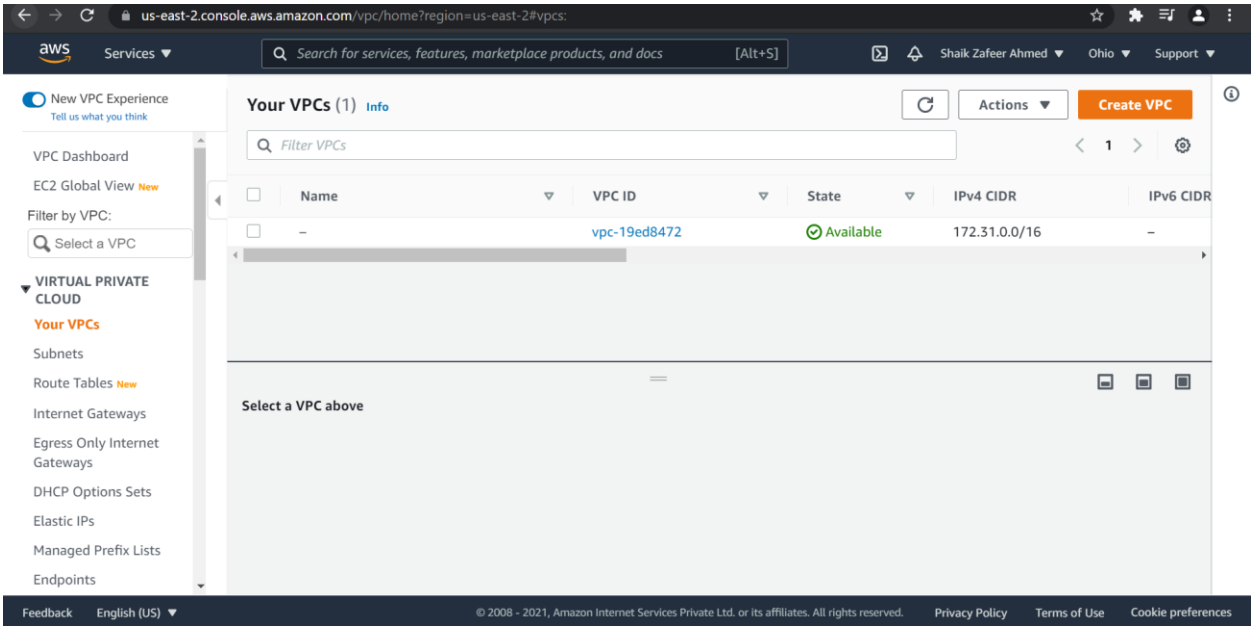
4.Make the custom route table the main route table

5.Create the subnet

6.Modify auto assign IP settings for the subnet.

7.Lauch a EC2 instance in Custom VPC




us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#vpcs:
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
VPC Dashboard
EC2 Global View New
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
Your VPCs (1) Info
Actions
Create VPC
Filter VPCs
1
Name
VPC ID
State
IPv4 CIDR
IPv6 CIDR
–
vpc-19ed8472
Available
172.31.0.0/16
–
Select a VPC above
Feedback
English (US)
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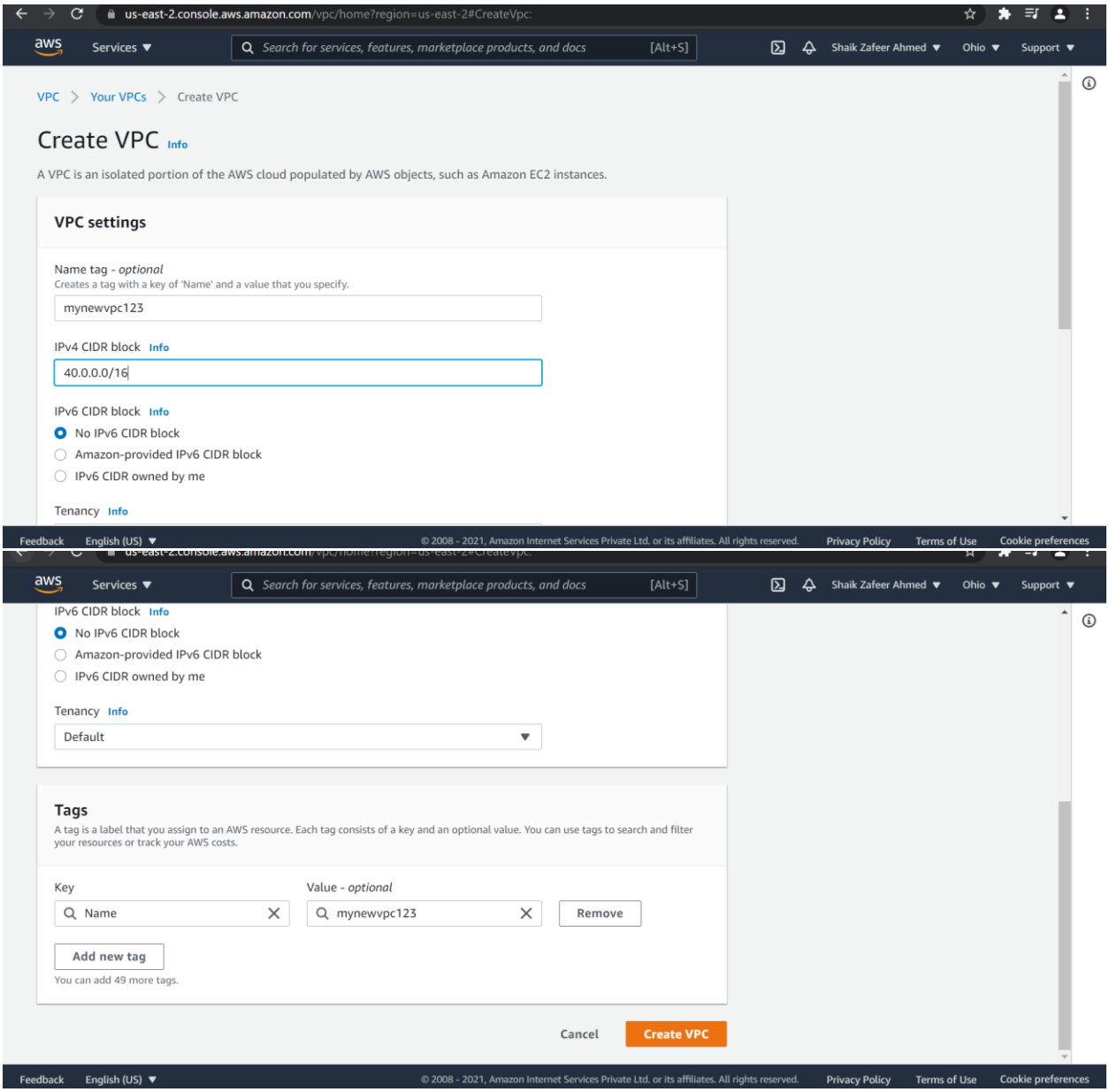
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#CreateVpc:
aws
Services
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Support
VPC > Your VPCs > Create VPC
Create VPC Info
A VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC2 instances.
VPC settings
Name tag - optional
Creates a tag with a key of 'Name' and a value that you specify.
mynewvpc123
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
Feedback
English (US)
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aws
Services
Search for services, features, marketplace products, and docs [Alt+S]
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Support
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
Name
mynewvpc123
Remove
Add new tag
You can add 49 more tags.
Cancel
Create VPC
Feedback
English (US)
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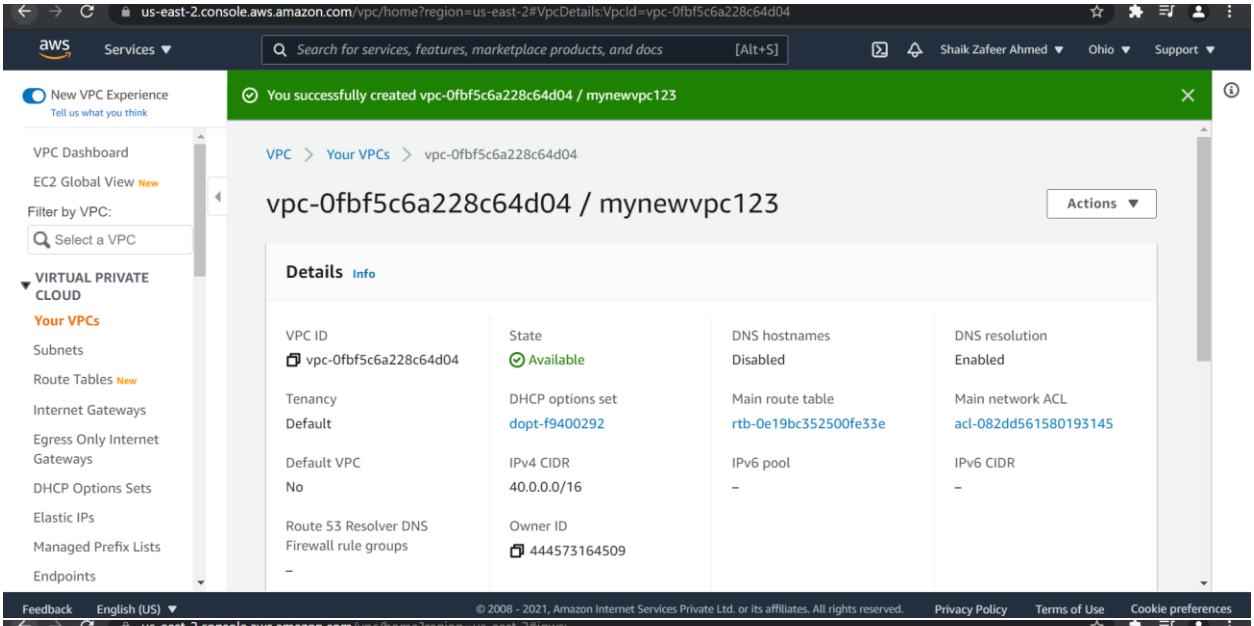
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#VpcDetails:VpcId=vpc-0fbf5c6a228c64d04
Services
Search for services, features, marketplace products, and docs [Alt+S]
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Ohio
Support
New VPC Experience
Tell us what you think
You successfully created vpc-0fbf5c6a228c64d04 / mynewvpc123
VPC Dashboard
EC2 Global View New
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
VPC > Your VPCs > vpc-0fbf5c6a228c64d04
vpc-0fbf5c6a228c64d04 / mynewvpc123
Actions
Details Info
VPC ID
vpc-0fbf5c6a228c64d04
State
Available
DNS hostnames
Disabled
DNS resolution
Enabled
Tenancy
Default
DHCP options set
dopt-f9400292
Main route table
rtb-0e19bc352500fe33e
Main network ACL
acl-082dd561580193145
Default VPC
No
IPv4 CIDR
40.0.0.0/16
IPv6 pool
–
IPv6 CIDR
–
Route 53 Resolver DNS Firewall rule groups
–
Owner ID
444573164509
Feedback
English (US)
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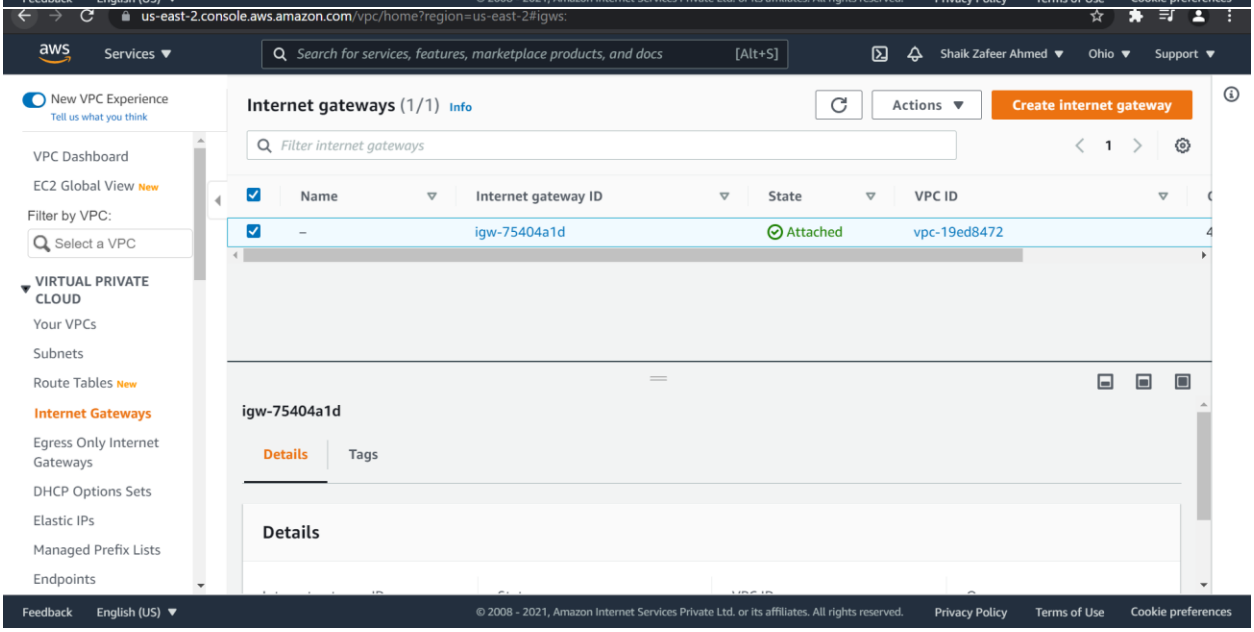
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#igws:
Services
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VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Internet gateways (1/1) Info
Actions
Create internet gateway
Filter internet gateways
1
Name
Internet gateway ID
State
VPC ID
–
igw-75404a1d
Attached
vpc-19ed8472
igw-75404a1d
Details
Tags
Details
Feedback
English (US)
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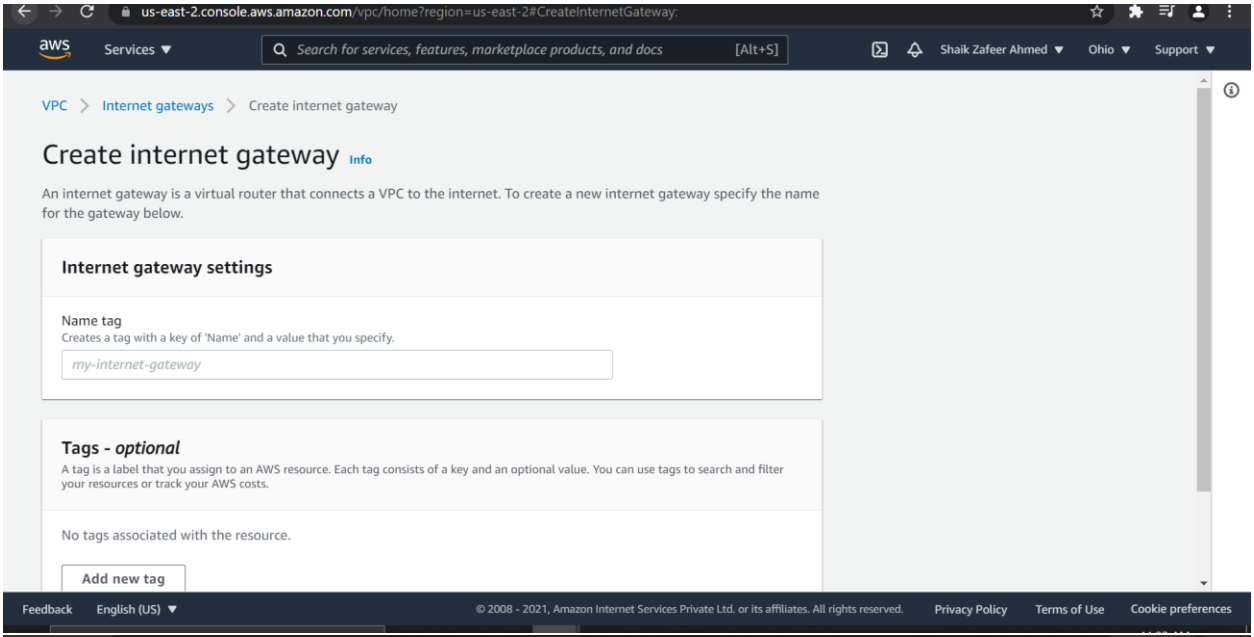
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#CreateInternetGateway:
aws
Services
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Support
VPC > Internet gateways > Create internet gateway
Create internet gateway Info
An internet gateway is a virtual router that connects a VPC to the 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.
my-internet-gateway
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.
No tags associated with the resource.
Add new tag
Feedback
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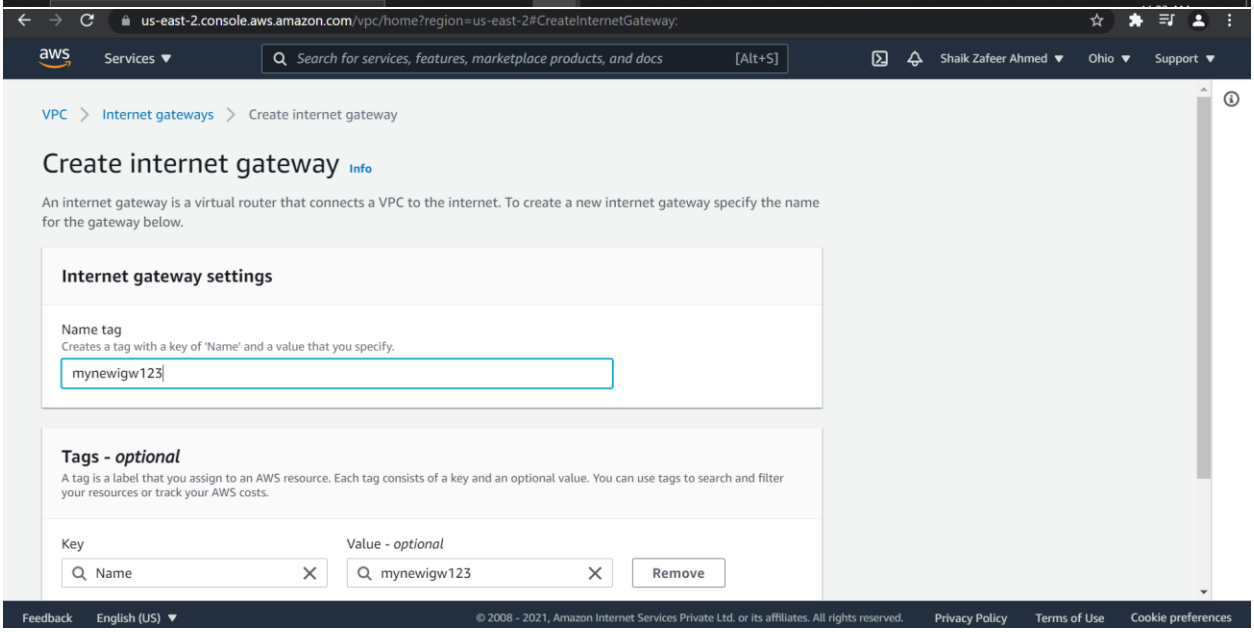
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#CreateInternetGateway:
aws
Services
Search for services, features, marketplace products, and docs [Alt+S]
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Support
VPC > Internet gateways > Create internet gateway
Create internet gateway Info
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.
mynewigw123
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
mynewigw123
Remove
Feedback
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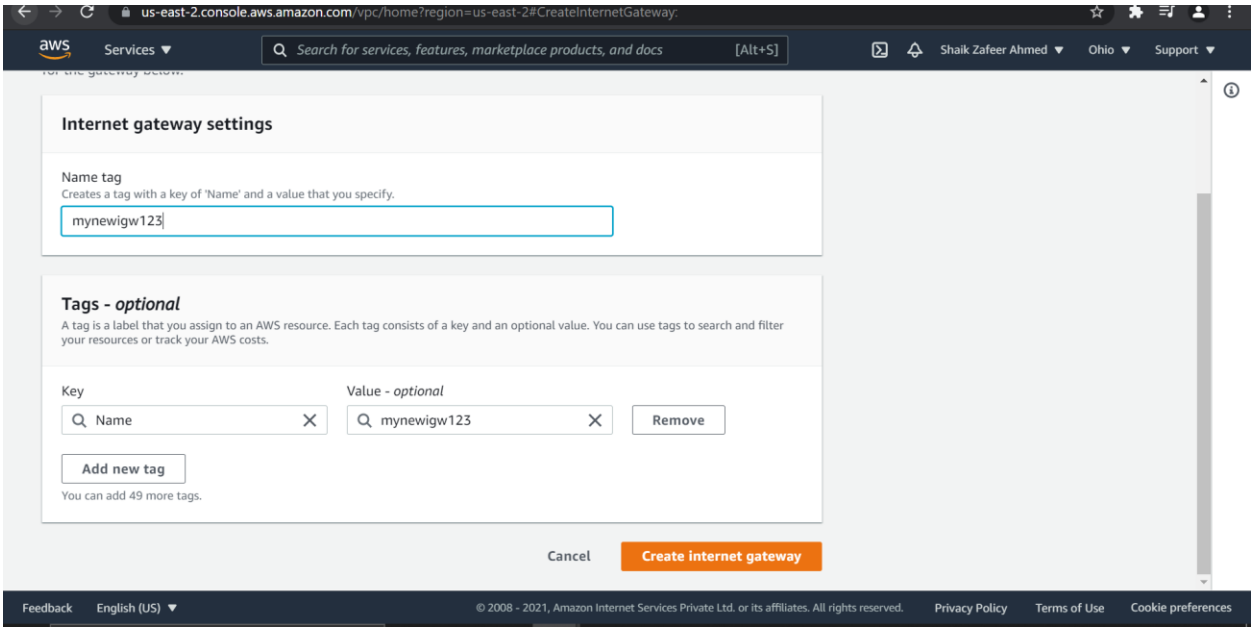
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#CreateInternetGateway:
aws
Services
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Support
Internet gateway settings
Name tag
Creates a tag with a key of 'Name' and a value that you specify.
mynewigw123
Tags - optional
A tag is a label 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
mynewigw123
Remove
Add new tag
You can add 49 more tags.
Cancel
Create internet gateway
Feedback
English (US)
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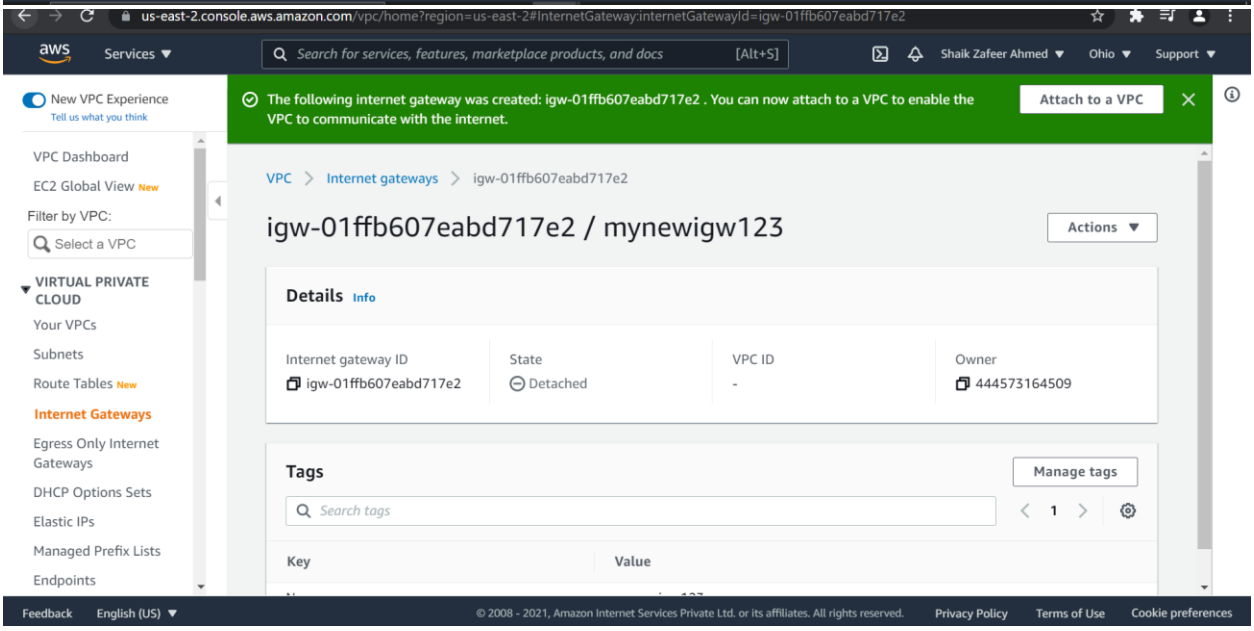
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#InternetGateway:internetGatewayId=igw-01ffb607eabd717e2
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Services
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New VPC Experience
Tell us what you think
VPC Dashboard
EC2 Global View New
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
The following internet gateway was created: igw-01ffb607eabd717e2 . You can now attach to a VPC to enable the VPC to communicate with the internet.
Attach to a VPC
VPC > Internet gateways > igw-01ffb607eabd717e2
igw-01ffb607eabd717e2 / mynewigw123
Actions
Details Info
Internet gateway ID
igw-01ffb607eabd717e2
State
Detached
VPC ID
-
Owner
444573164509
Tags
Manage tags
Search tags
1
Key
Value
Feedback
English (US)
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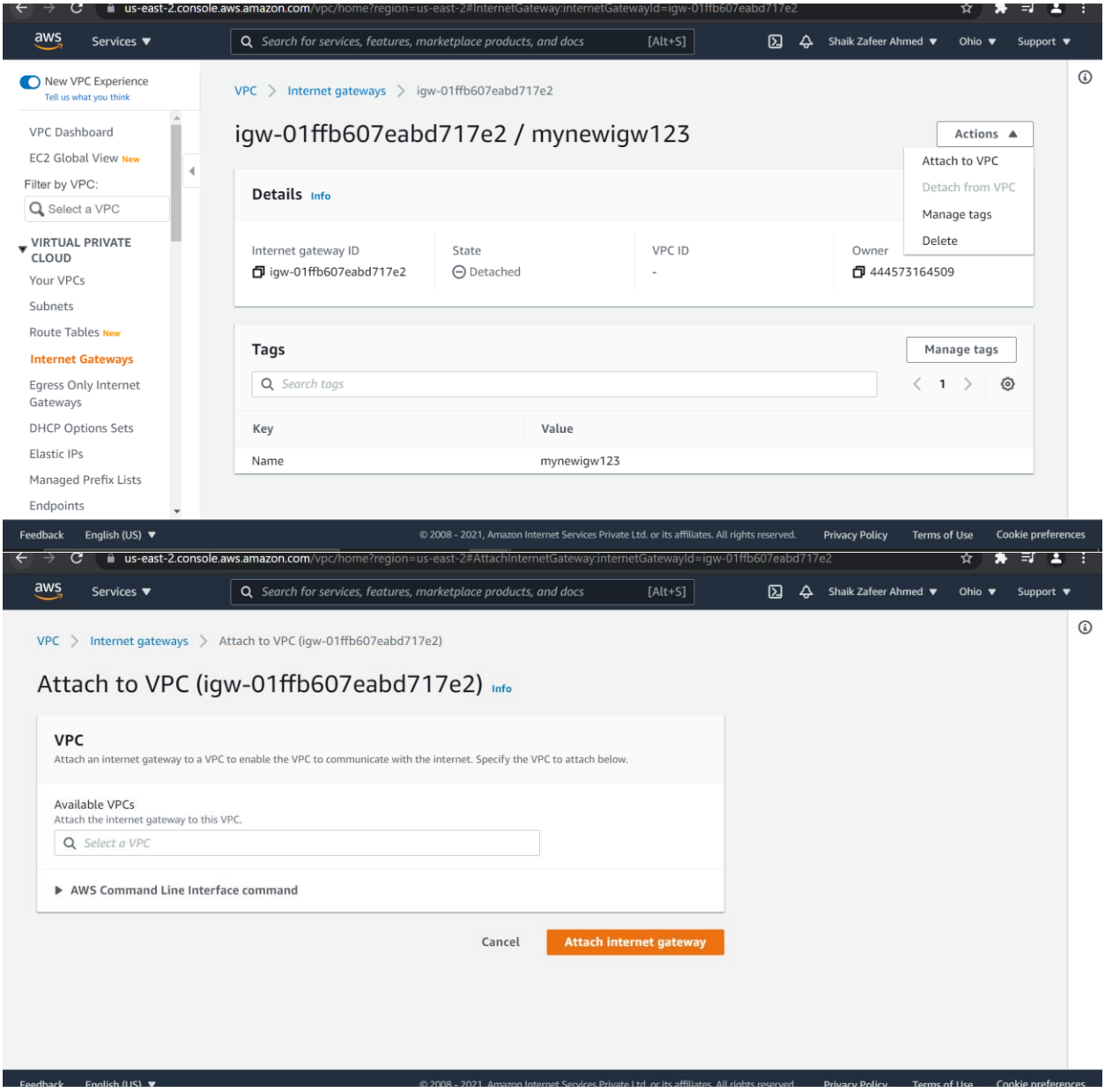
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#InternetGateway:internetGatewayId=igw-01ffb607eabd717e2
aws
Services
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VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
VPC > Internet gateways > igw-01ffb607eabd717e2
igw-01ffb607eabd717e2 / mynewigw123
Actions
Attach to VPC
Detach from VPC
Manage tags
Delete
Details Info
Internet gateway ID
igw-01ffb607eabd717e2
State
Detached
VPC ID
-
Owner
444573164509
Tags
Manage tags
Search tags
1
Key
Value
Name
mynewigw123
Feedback
English (US)
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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#AttachInternetGateway:internetGatewayId=igw-01ffb607eabd717e2
aws
Services
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Support
VPC > Internet gateways > Attach to VPC (igw-01ffb607eabd717e2)
Attach to VPC (igw-01ffb607eabd717e2) 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.
Select a VPC
AWS Command Line Interface command
Cancel
Attach internet gateway
Feedback
English (US)
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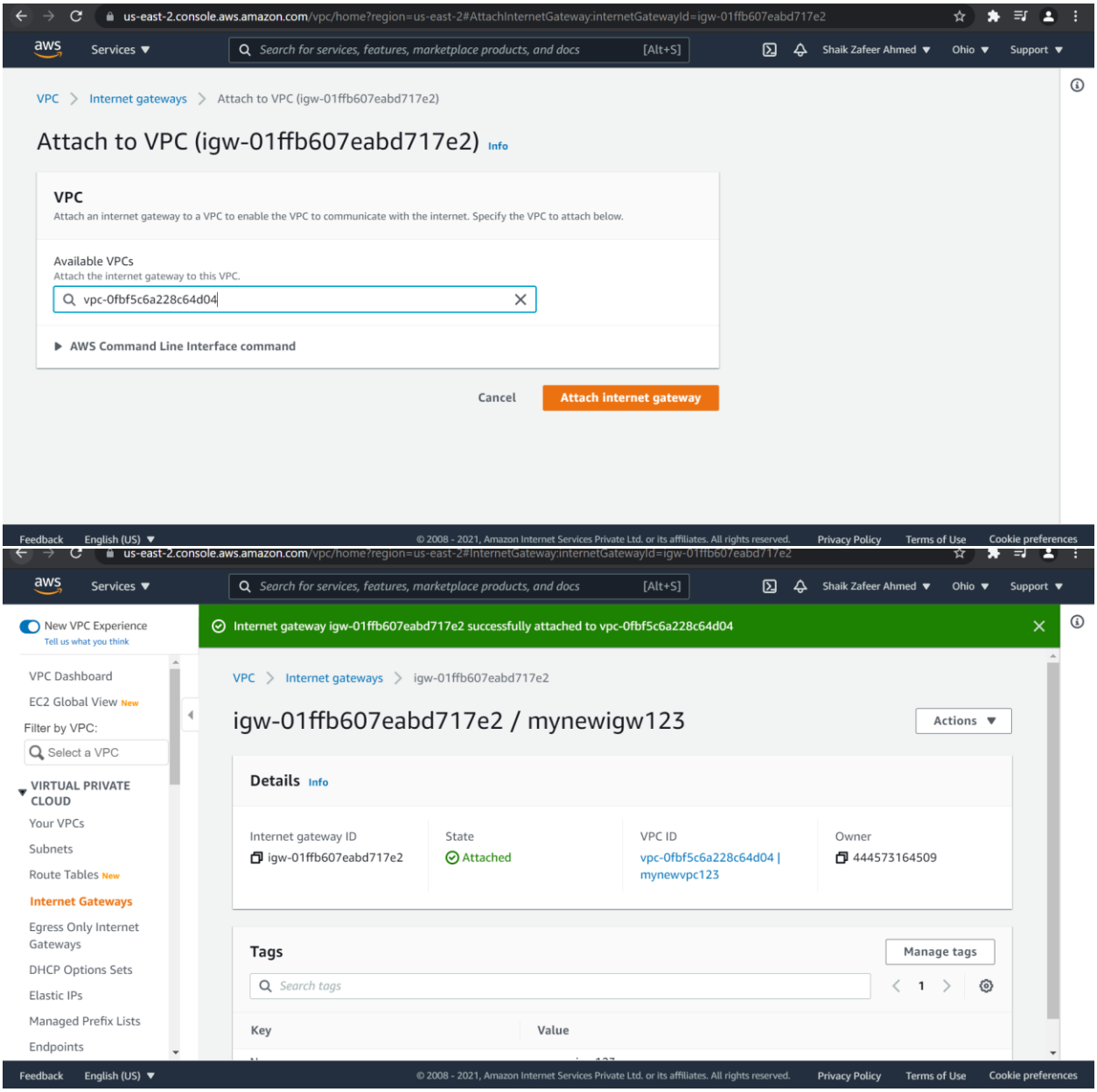
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#AttachInternetGateway:internetGatewayId=igw-01ffb607eabd717e2
Services
Search for services, features, marketplace products, and docs [Alt+S]
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Ohio
Support
VPC > Internet gateways > Attach to VPC (igw-01ffb607eabd717e2)
Attach to VPC (igw-01ffb607eabd717e2) 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-0fbf5c6a228c64d04
AWS Command Line Interface command
Cancel
Attach internet gateway
Feedback
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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#InternetGateway:internetGatewayId=igw-01ffb607eabd717e2
Services
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New VPC Experience
Tell us what you think
Internet gateway igw-01ffb607eabd717e2 successfully attached to vpc-0fbf5c6a228c64d04
VPC Dashboard
EC2 Global View New
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
VPC > Internet gateways > igw-01ffb607eabd717e2
igw-01ffb607eabd717e2 / mynewigw123
Actions
Details Info
Internet gateway ID
igw-01ffb607eabd717e2
State
Attached
VPC ID
vpc-0fbf5c6a228c64d04 | mynewvpc123
Owner
444573164509
Tags
Manage tags
Search tags
1
Key
Value
Feedback
English (US)
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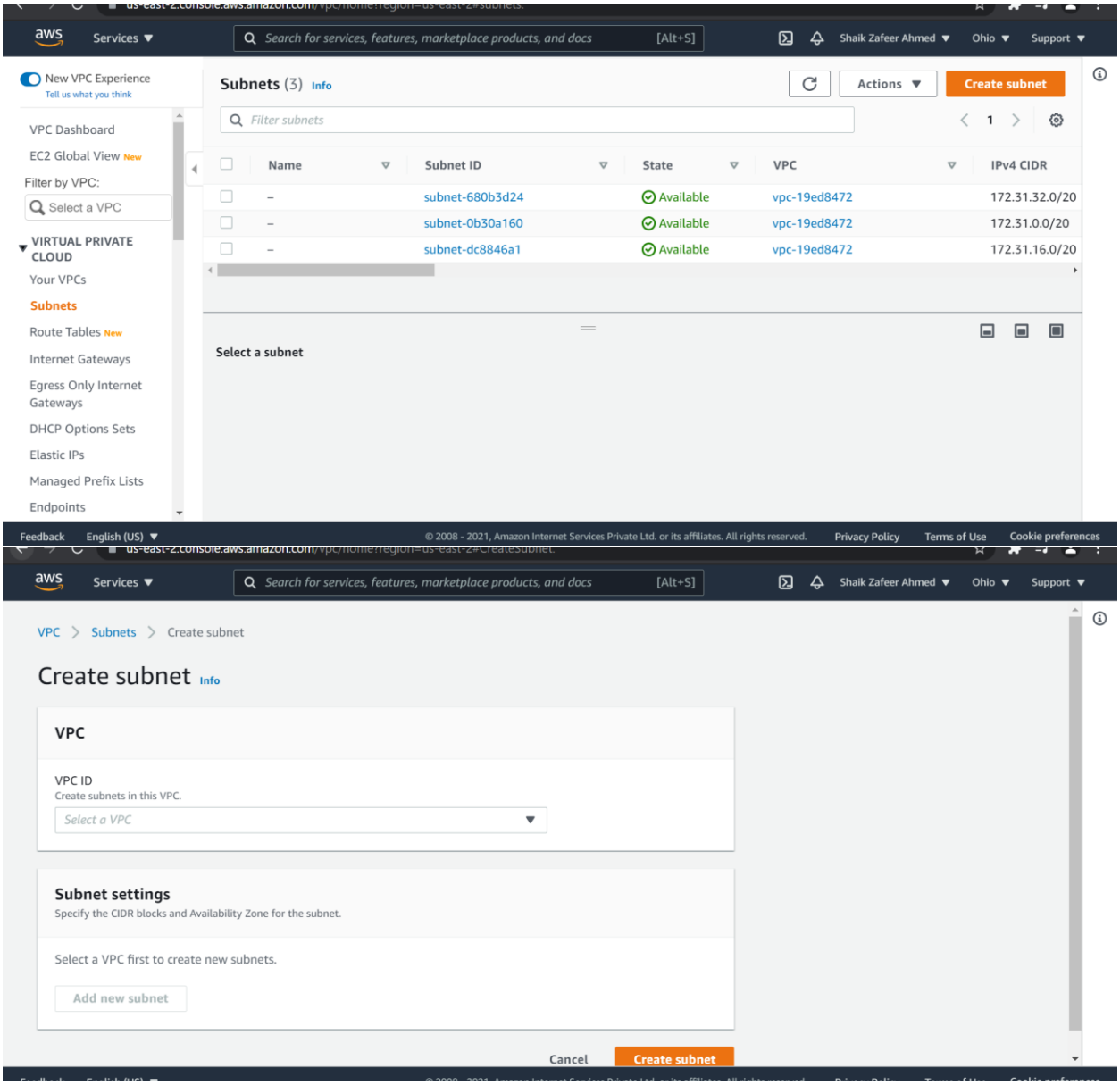
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Services
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VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Subnets (3) Info
Actions
Create subnet
Filter subnets
Name
Subnet ID
State
VPC
IPv4 CIDR
– subnet-680b3d24 Available vpc-19ed8472 172.31.32.0/20
– subnet-0b30a160 Available vpc-19ed8472 172.31.0.0/20
– subnet-dc8846a1 Available vpc-19ed8472 172.31.16.0/20
Select a subnet
Feedback
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Services
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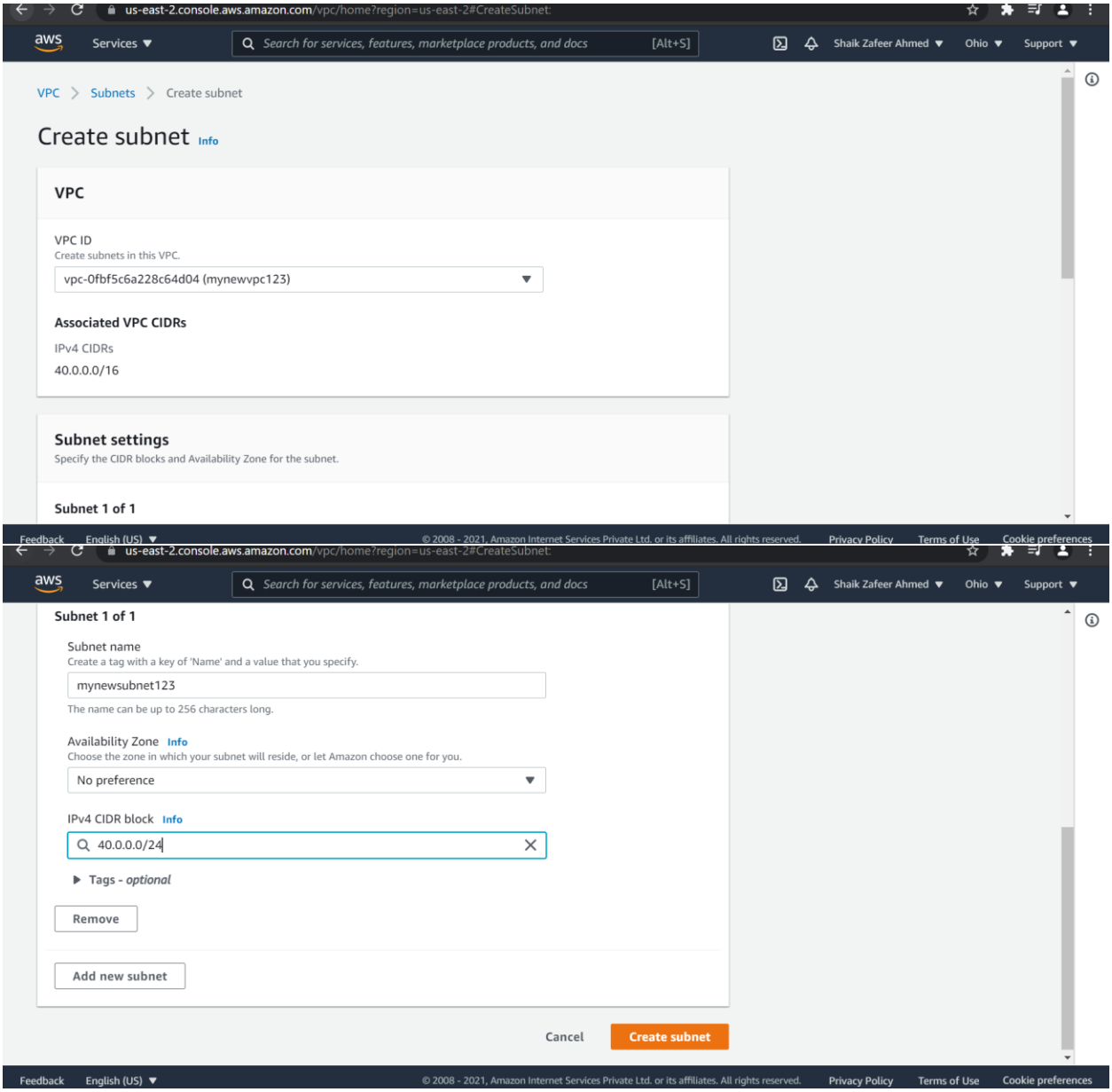
Support
VPC > Subnets > Create subnet
Create subnet Info
VPC
VPC ID
Create subnets in this VPC.
Select a VPC
Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.
Select a VPC first to create new subnets.
Add new subnet
Cancel
Create subnet


us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#CreateSubnet:
aws
Services
Search for services, features, marketplace products, and docs
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Support
VPC > Subnets > Create subnet
Create subnet Info
VPC
VPC ID
Create subnets in this VPC.
vpc-0fbf5c6a228c64d04 (mynewvpc123)
Associated VPC CIDRs
IPv4 CIDRs
40.0.0.0/16
Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.
Subnet 1 of 1
Feedback
English (US)
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us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#CreateSubnet:
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Support
Subnet 1 of 1
Subnet name
Create a tag with a key of 'Name' and a value that you specify.
mynewsubnet123
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
40.0.0.0/24
Tags - optional
Remove
Add new subnet
Cancel
Create subnet
Feedback
English (US)
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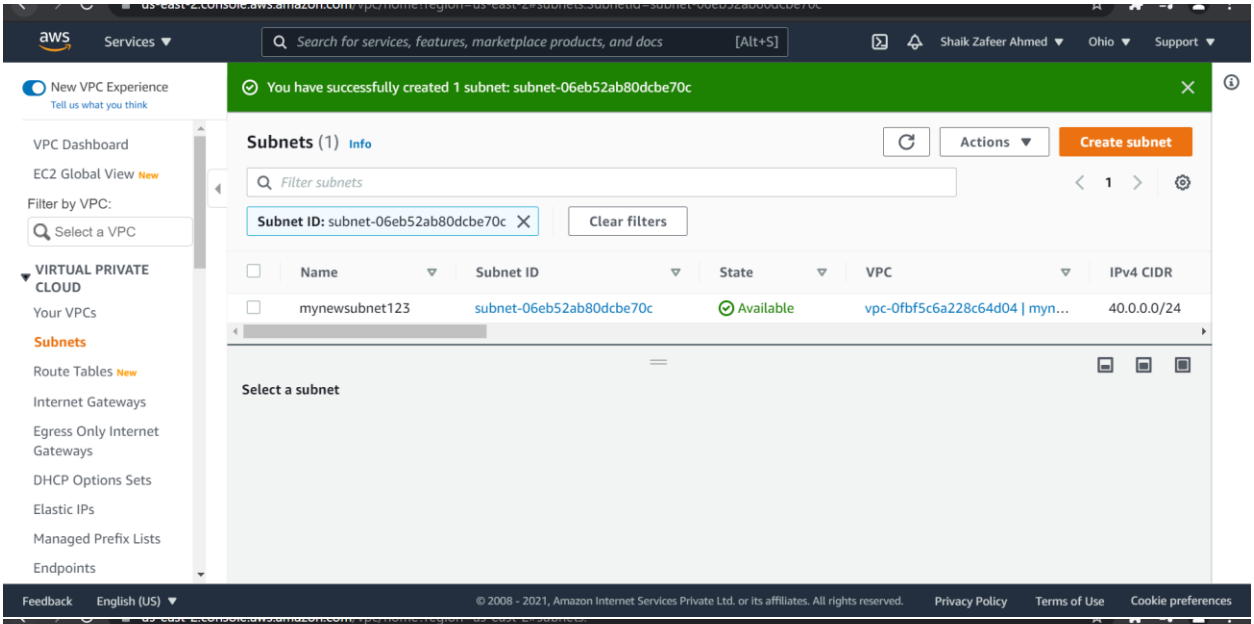
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Services
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Support
New VPC Experience
Tell us what you think
You have successfully created 1 subnet: subnet-06eb52ab80dcbe70c
VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Subnets (1) Info
Actions
Create subnet
Filter subnets
1
Subnet ID: subnet-06eb52ab80dcbe70c
Clear filters
Name
Subnet ID
State
VPC
IPv4 CIDR
mynewsubnet123
subnet-06eb52ab80dcbe70c
Available
vpc-0fbf5c6a228c64d04 | myn...
40.0.0.0/24
Select a subnet
Feedback
English (US)
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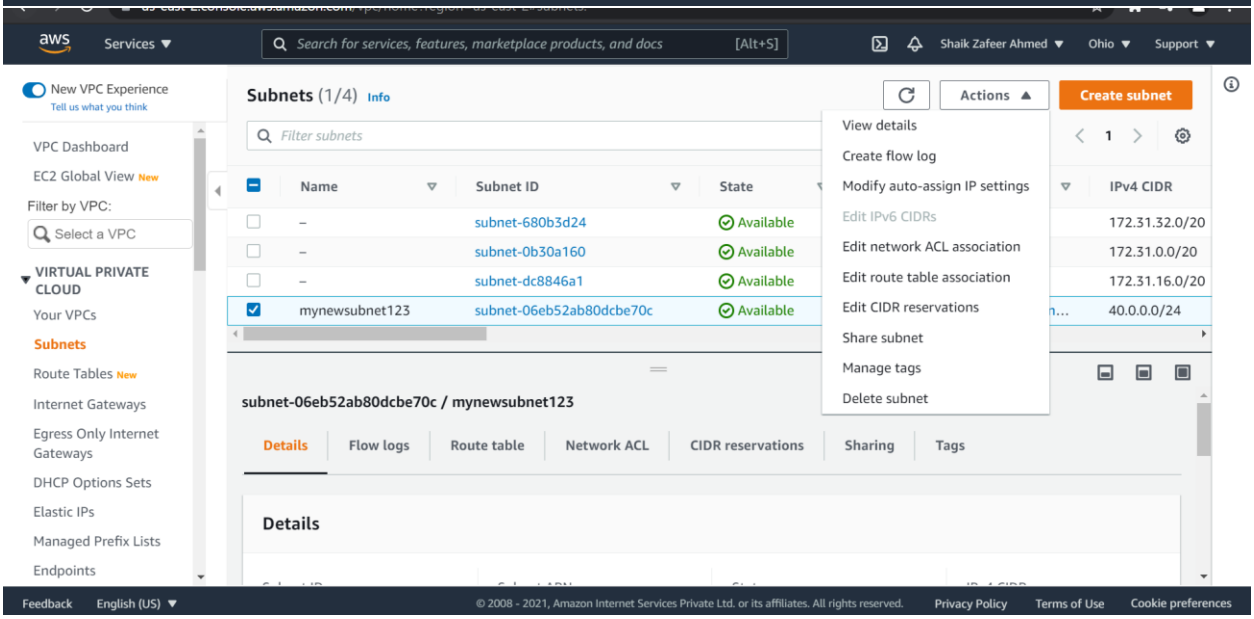
aws
Services
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Support
New VPC Experience
Tell us what you think
Subnets (1/4) Info
Actions
Create subnet
View details
Create flow log
Modify auto-assign IP settings
Edit IPv6 CIDRs
Edit network ACL association
Edit route table association
Edit CIDR reservations
Share subnet
Manage tags
Delete subnet
Filter subnets
1
Name
Subnet ID
State
IPv4 CIDR
subnet-680b3d24
Available
172.31.32.0/20
subnet-0b30a160
Available
172.31.0.0/20
subnet-dc8846a1
Available
172.31.16.0/20
mynewsubnet123
subnet-06eb52ab80dcbe70c
Available
40.0.0.0/24
subnet-06eb52ab80dcbe70c / mynewsubnet123
Details
Flow logs
Route table
Network ACL
CIDR reservations
Sharing
Tags
Details
Feedback
English (US)
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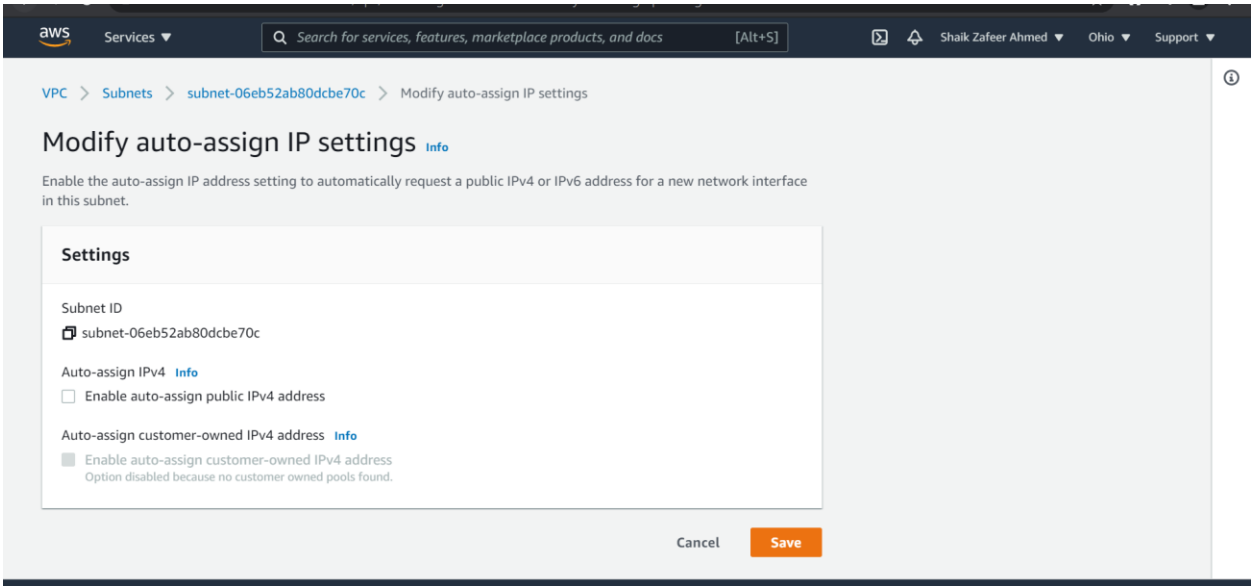
aws
Services
Search for services, features, marketplace products, and docs [Alt+S]
Shaik Zafeer Ahmed
Ohio
Support
VPC > Subnets > subnet-06eb52ab80dcbe70c > Modify auto-assign IP settings
Modify auto-assign IP settings Info
Enable the auto-assign IP address setting to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet.
Settings
Subnet ID
subnet-06eb52ab80dcbe70c
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
English (US)
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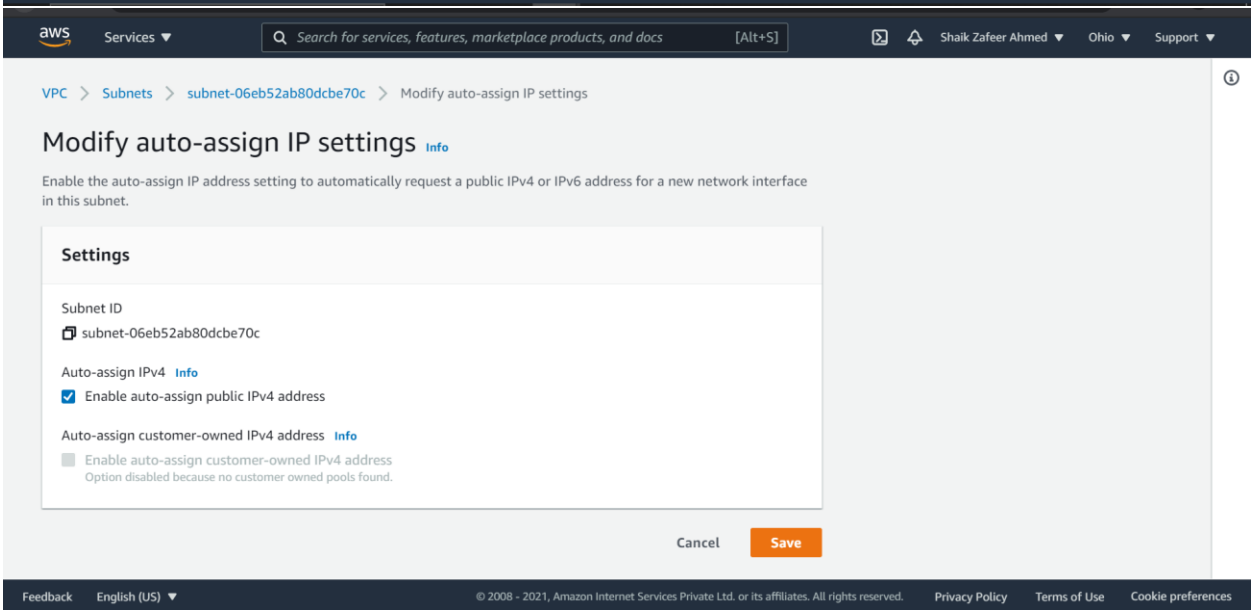
aws
Services
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Support
VPC > Subnets > subnet-06eb52ab80dcbe70c > Modify auto-assign IP settings
Modify auto-assign IP settings Info
Enable the auto-assign IP address setting to automatically request a public IPv4 or IPv6 address for a new network interface in this subnet.
Settings
Subnet ID
subnet-06eb52ab80dcbe70c
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
English (US)
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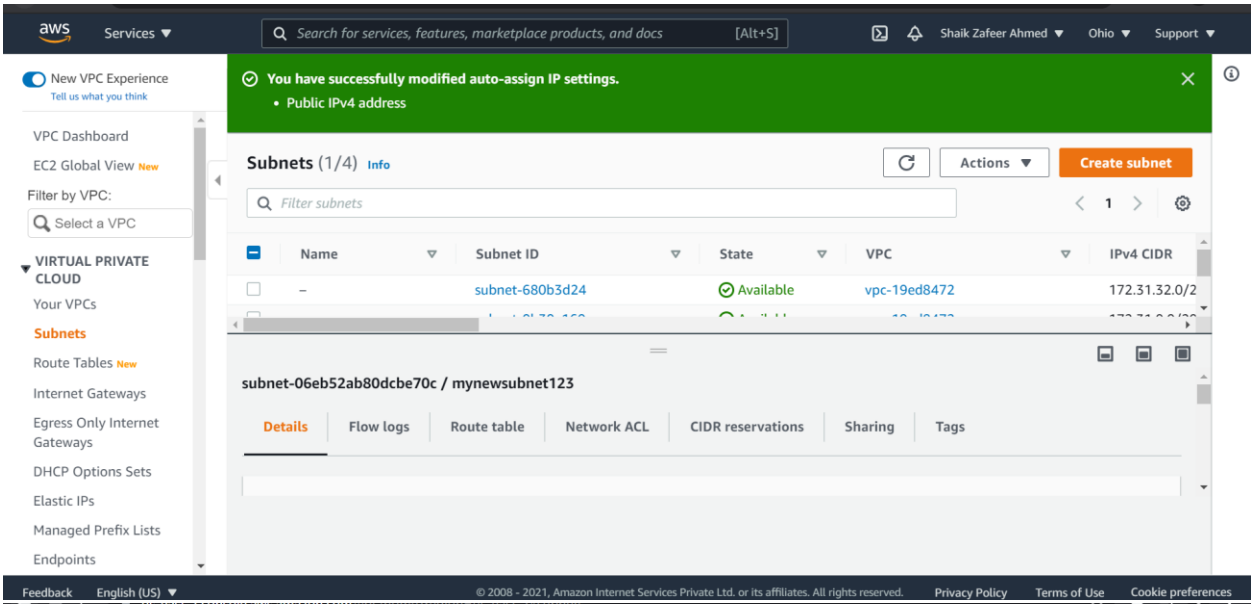
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Tell us what you think
VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
You have successfully modified auto-assign IP settings.
Public IPv4 address
Subnets (1/4) Info
Actions
Create subnet
Filter subnets
1
Name
Subnet ID
State
VPC
IPv4 CIDR
– subnet-680b3d24 Available vpc-19ed8472 172.31.32.0/2
subnet-06eb52ab80dcbe70c / mynewsubnet123
Details
Flow logs
Route table
Network ACL
CIDR reservations
Sharing
Tags
Feedback
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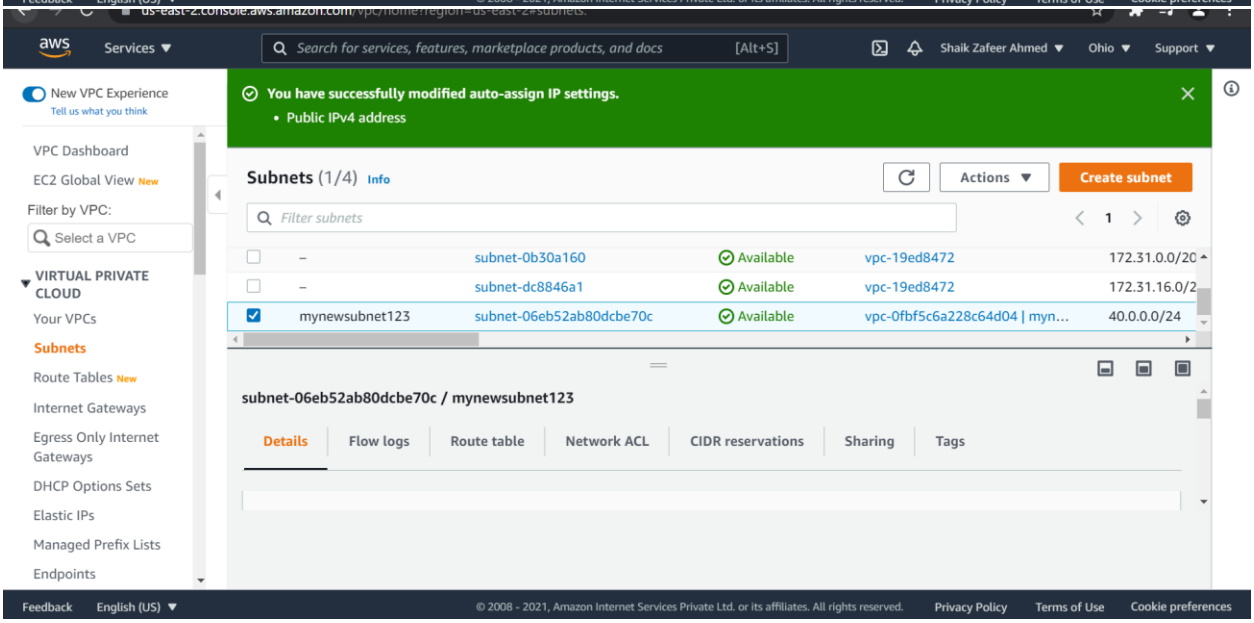
us-east-2.console.aws.amazon.com/vpc/home?region=us-east-2#subnets:
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Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
You have successfully modified auto-assign IP settings.
Public IPv4 address
Subnets (1/4) Info
Actions
Create subnet
Filter subnets
1
– subnet-0b30a160 Available vpc-19ed8472 172.31.0.0/20
– subnet-dc8846a1 Available vpc-19ed8472 172.31.16.0/2
mynewsubnet123 subnet-06eb52ab80dcbe70c Available vpc-0fbf5c6a228c64d04 | myn… 40.0.0.0/24
subnet-06eb52ab80dcbe70c / mynewsubnet123
Details
Flow logs
Route table
Network ACL
CIDR reservations
Sharing
Tags
Feedback
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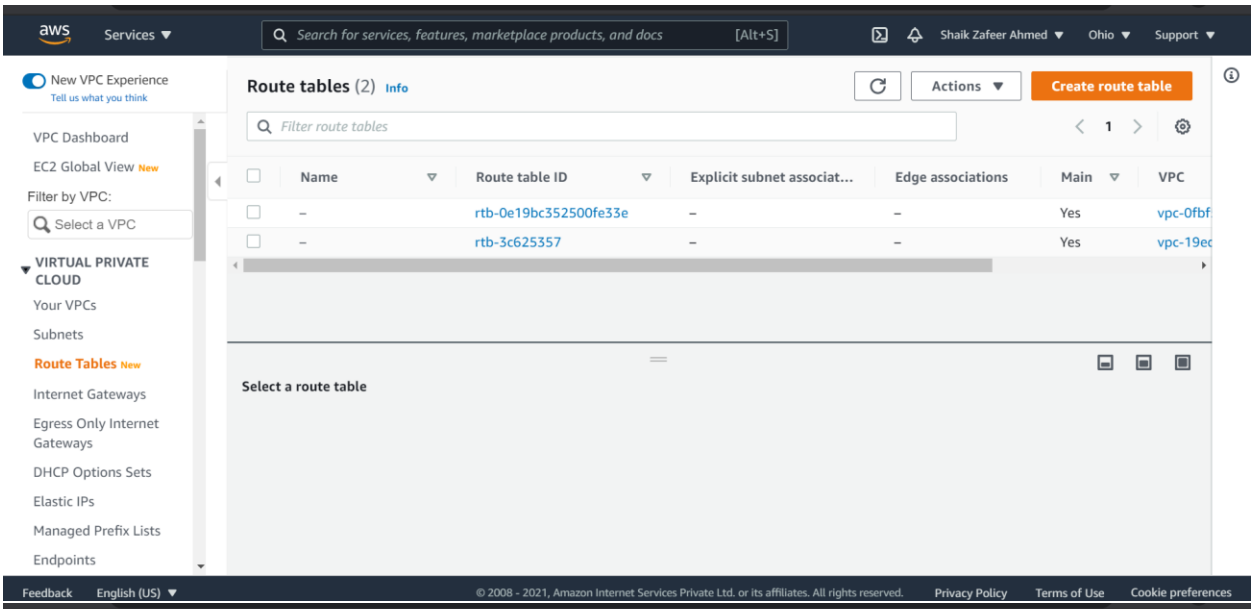
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Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Route tables (2) Info
Actions
Create route table
Filter route tables
Name
Route table ID
Explicit subnet associat...
Edge associations
Main
VPC
rtb-0e19bc352500fe33e
rtb-3c625357
Yes
Select a route table
Feedback
English (US)
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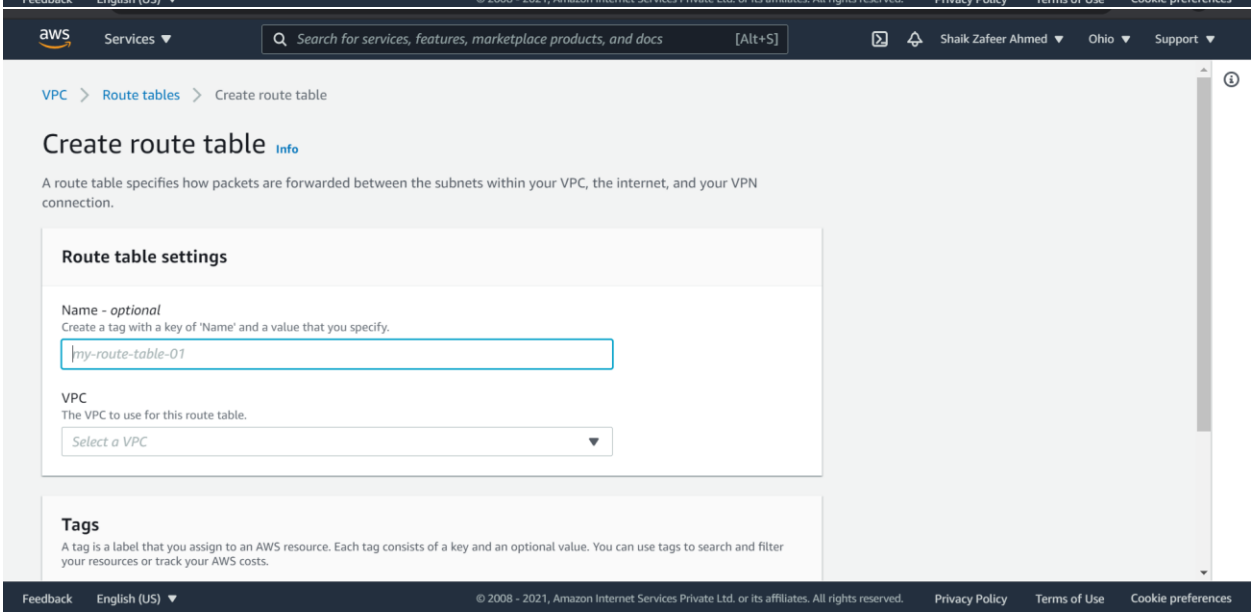
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Support
VPC > Route tables > Create route table
Create route table Info
A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.
Route table settings
Name - optional
Create a tag with a key of 'Name' and a value that you specify.
my-route-table-01
VPC
The VPC to use for this route table.
Select a 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.
Feedback
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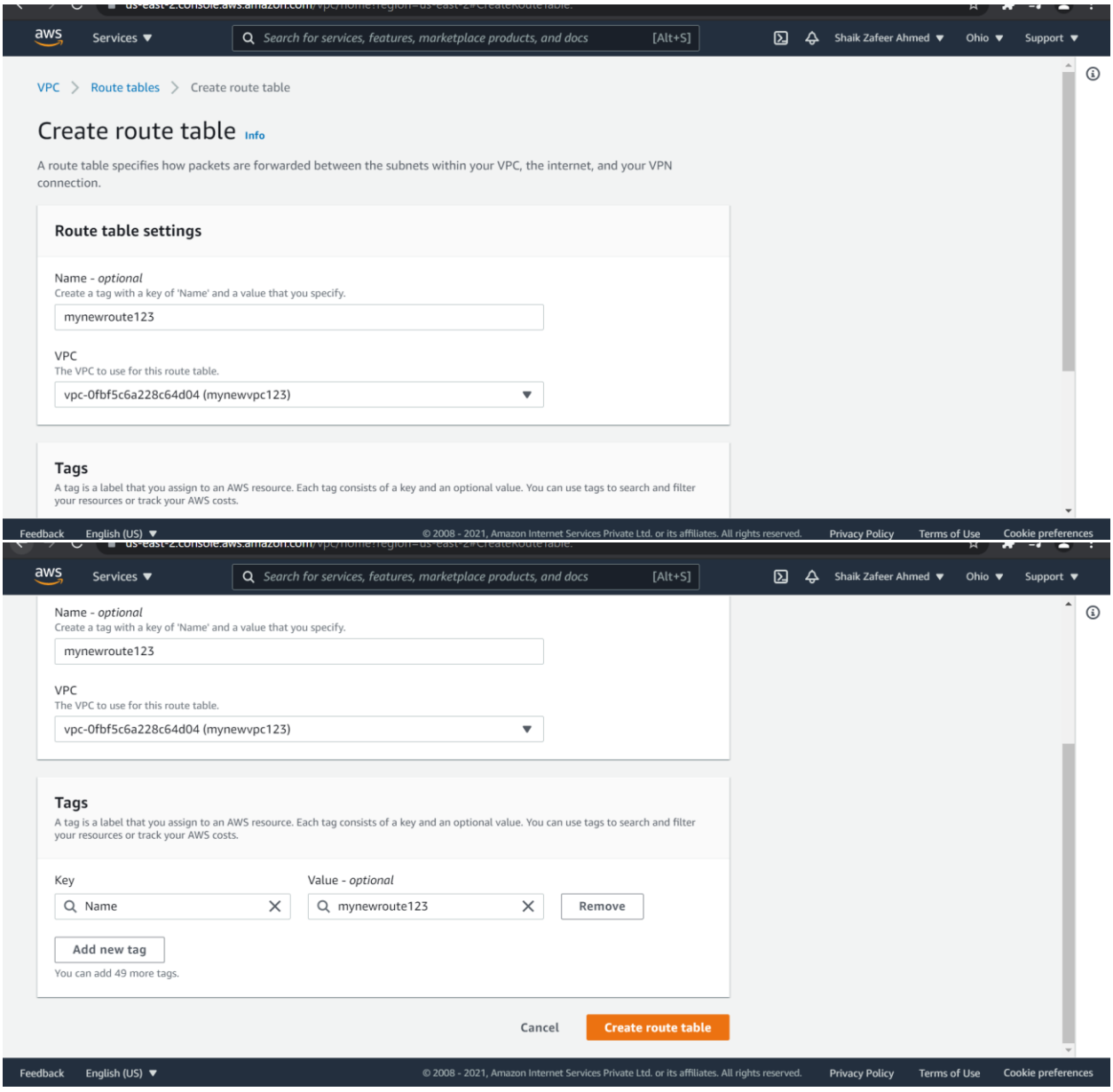
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Support
VPC > Route tables > Create route table
Create route table Info
A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.
Route table settings
Name - optional
Create a tag with a key of 'Name' and a value that you specify.
mynewroute123
VPC
The VPC to use for this route table.
vpc-0fbf5c6a228c64d04 (mynewvpc123)
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
mynewroute123
Remove
Add new tag
You can add 49 more tags.
Cancel
Create route table
Feedback
English (US)
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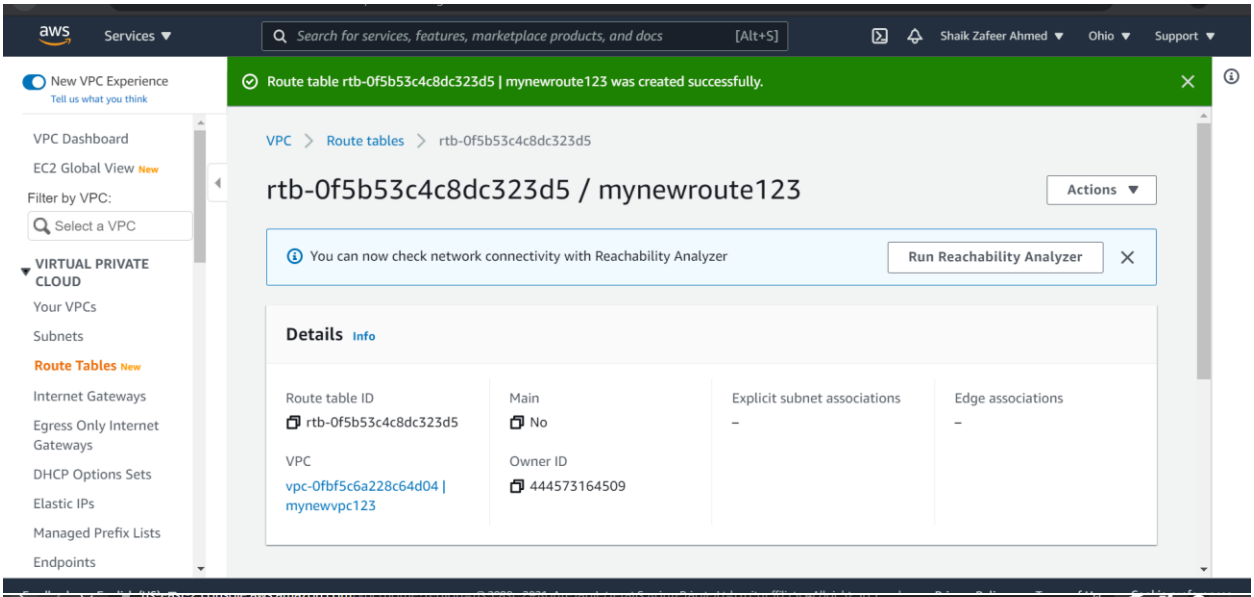
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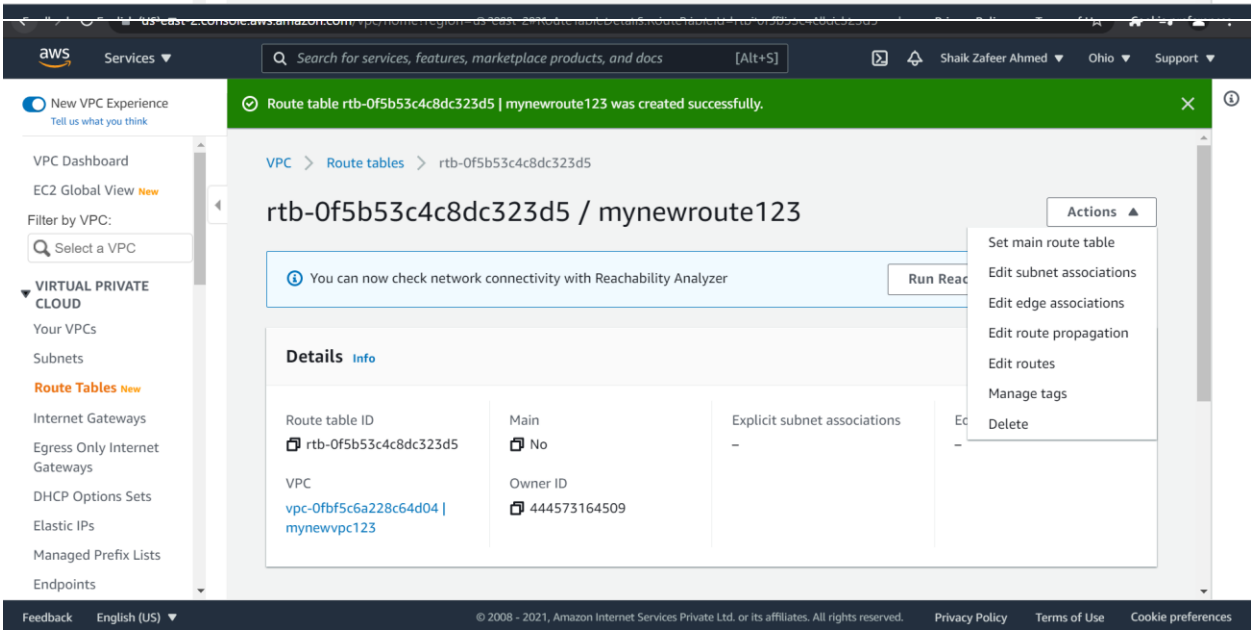
Support
New VPC Experience
Tell us what you think
Route table rtb-0f5b53c4c8dc323d5 | mynewroute123 was created successfully.
VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
VPC > Route tables > rtb-0f5b53c4c8dc323d5
rtb-0f5b53c4c8dc323d5 / mynewroute123
Actions
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Details Info
Route table ID
rtb-0f5b53c4c8dc323d5
Main
No
Explicit subnet associations
–
Edge associations
–
VPC
vpc-0fbf5c6a228c64d04 | mynewvpc123
Owner ID
444573164509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Support
New VPC Experience
Tell us what you think
Route table rtb-0f5b53c4c8dc323d5 | mynewroute123 was created successfully.
VPC Dashboard
EC2 Global View New
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
VPC > Route tables > rtb-0f5b53c4c8dc323d5
rtb-0f5b53c4c8dc323d5 / mynewroute123
Actions
Set main route table
Edit subnet associations
Edit edge associations
Edit route propagation
Edit routes
Manage tags
Delete
You can now check network connectivity with Reachability Analyzer
Details Info
Route table ID
rtb-0f5b53c4c8dc323d5
Main
No
Explicit subnet associations
–
VPC
vpc-0fbf5c6a228c64d04 | mynewvpc123
Owner ID
444573164509
Feedback
English (US)
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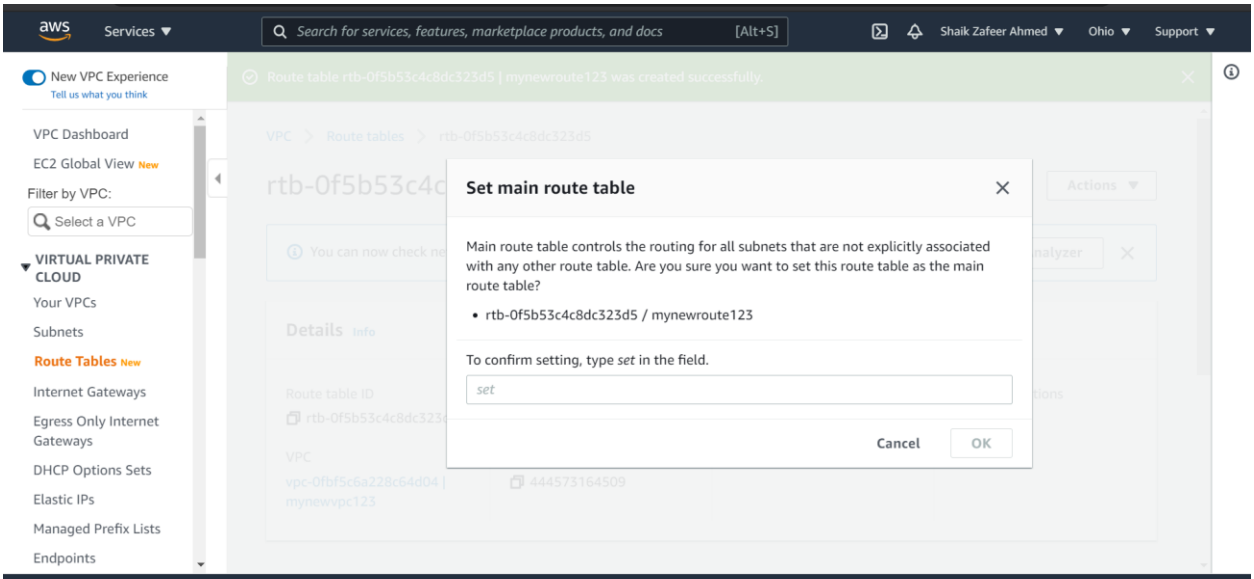
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Support
New VPC Experience
Tell us what you think
Route table rtb-0f5b53c4c8dc323d5 | mynewroute123 was created successfully.
VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Set main route table
Main route table controls the routing for all subnets that are not explicitly associated with any other route table. Are you sure you want to set this route table as the main route table?
rtb-0f5b53c4c8dc323d5 / mynewroute123
To confirm setting, type set in the field.
set
Cancel
OK
Feedback
English (US)
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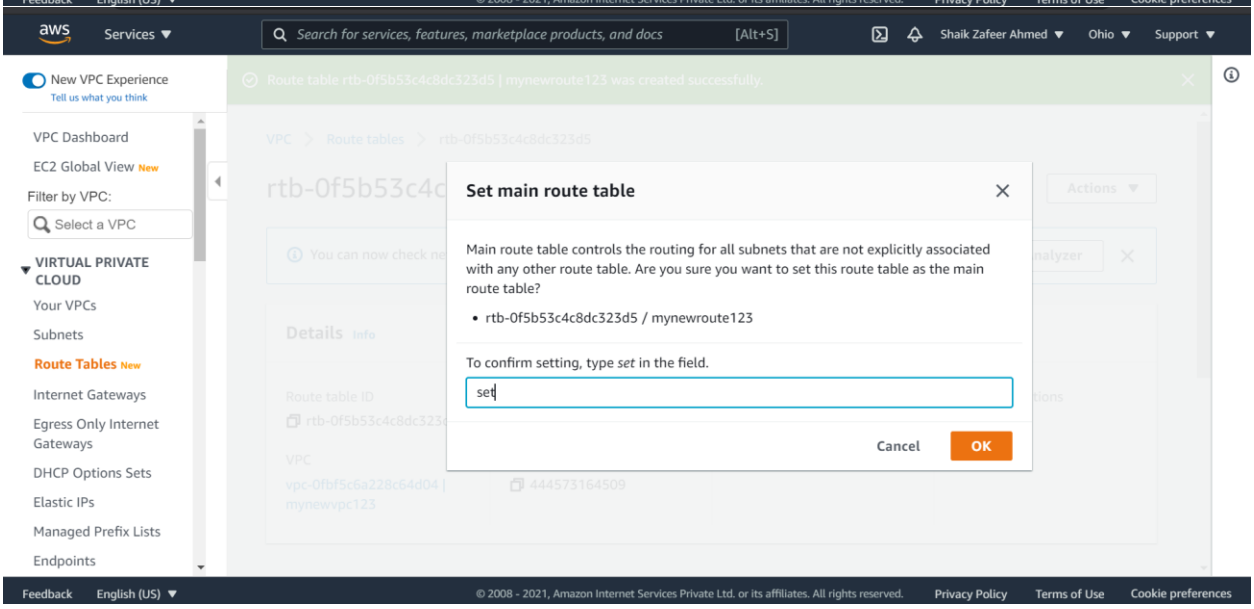
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Tell us what you think
Route table rtb-0f5b53c4c8dc323d5 | mynewroute123 was created successfully.
VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Set main route table
Main route table controls the routing for all subnets that are not explicitly associated with any other route table. Are you sure you want to set this route table as the main route table?
rtb-0f5b53c4c8dc323d5 / mynewroute123
To confirm setting, type set in the field.
set
Cancel
OK
Feedback
English (US)
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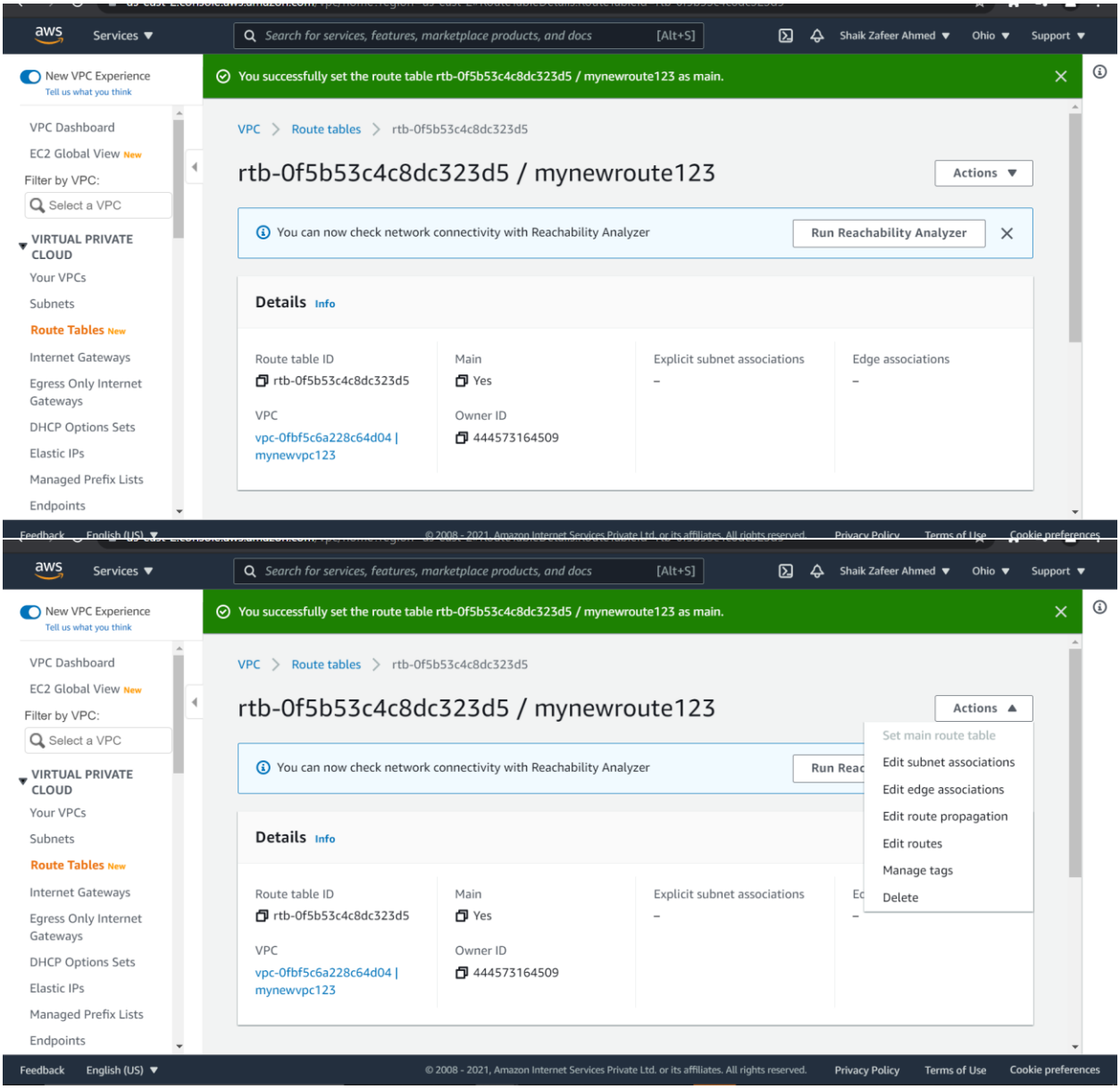
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New VPC Experience
Tell us what you think
You successfully set the route table rtb-0f5b53c4c8dc323d5 / mynewroute123 as main.
VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
Subnets
Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
VPC > Route tables > rtb-0f5b53c4c8dc323d5
rtb-0f5b53c4c8dc323d5 / mynewroute123
Actions
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Details Info
Route table ID
rtb-0f5b53c4c8dc323d5
Main
Yes
Explicit subnet associations
–
Edge associations
–
VPC
vpc-0fbf5c6a228c64d04 | mynewvpc123
Owner ID
444573164509
Feedback
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Tell us what you think
You successfully set the route table rtb-0f5b53c4c8dc323d5 / mynewroute123 as main.
VPC Dashboard
EC2 Global View New
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
VPC > Route tables > rtb-0f5b53c4c8dc323d5
rtb-0f5b53c4c8dc323d5 / mynewroute123
Actions
Set main route table
Edit subnet associations
Edit edge associations
Edit route propagation
Edit routes
Manage tags
Delete
You can now check network connectivity with Reachability Analyzer
Details Info
Route table ID
rtb-0f5b53c4c8dc323d5
Main
Yes
Explicit subnet associations
–
VPC
vpc-0fbf5c6a228c64d04 | mynewvpc123
Owner ID
444573164509
Feedback
English (US)
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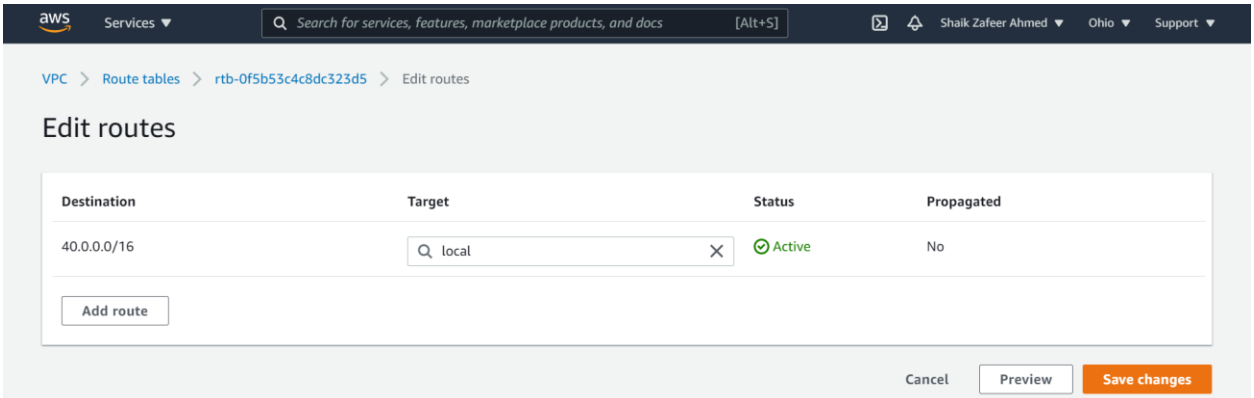
Services
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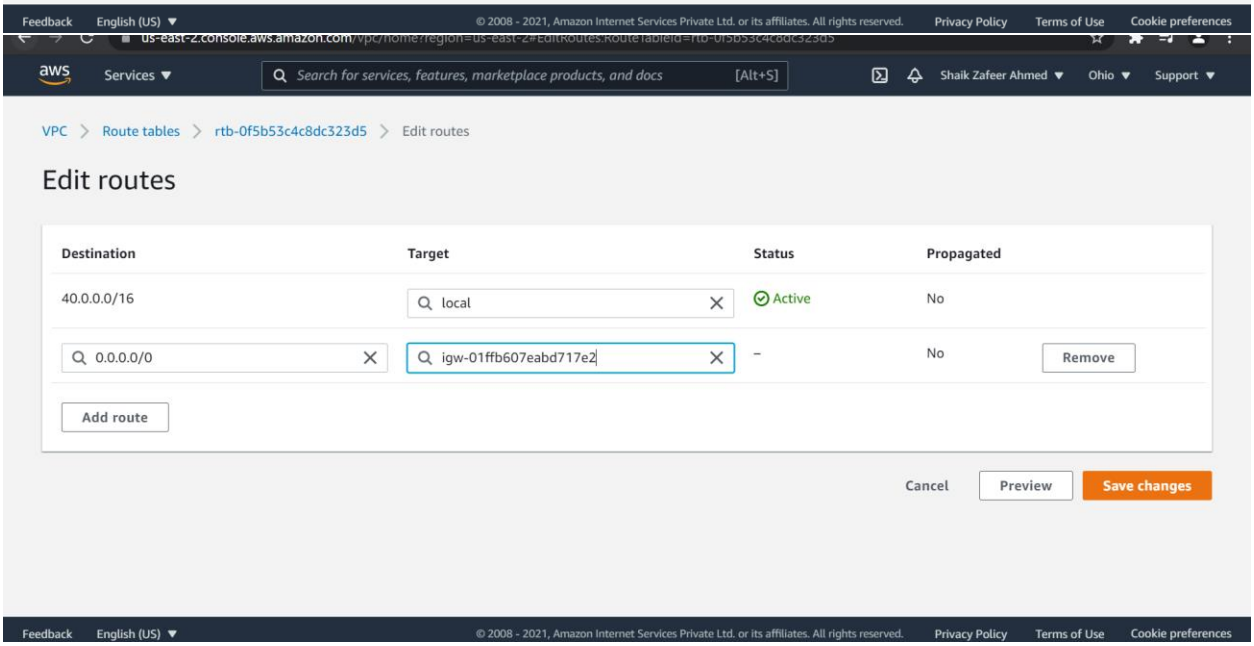
Support
VPC > Route tables > rtb-0f5b53c4c8dc323d5 > Edit routes
Edit routes
Destination
Target
Status
Propagated
40.0.0.0/16
local
Active
No
Add route
Cancel
Preview
Save changes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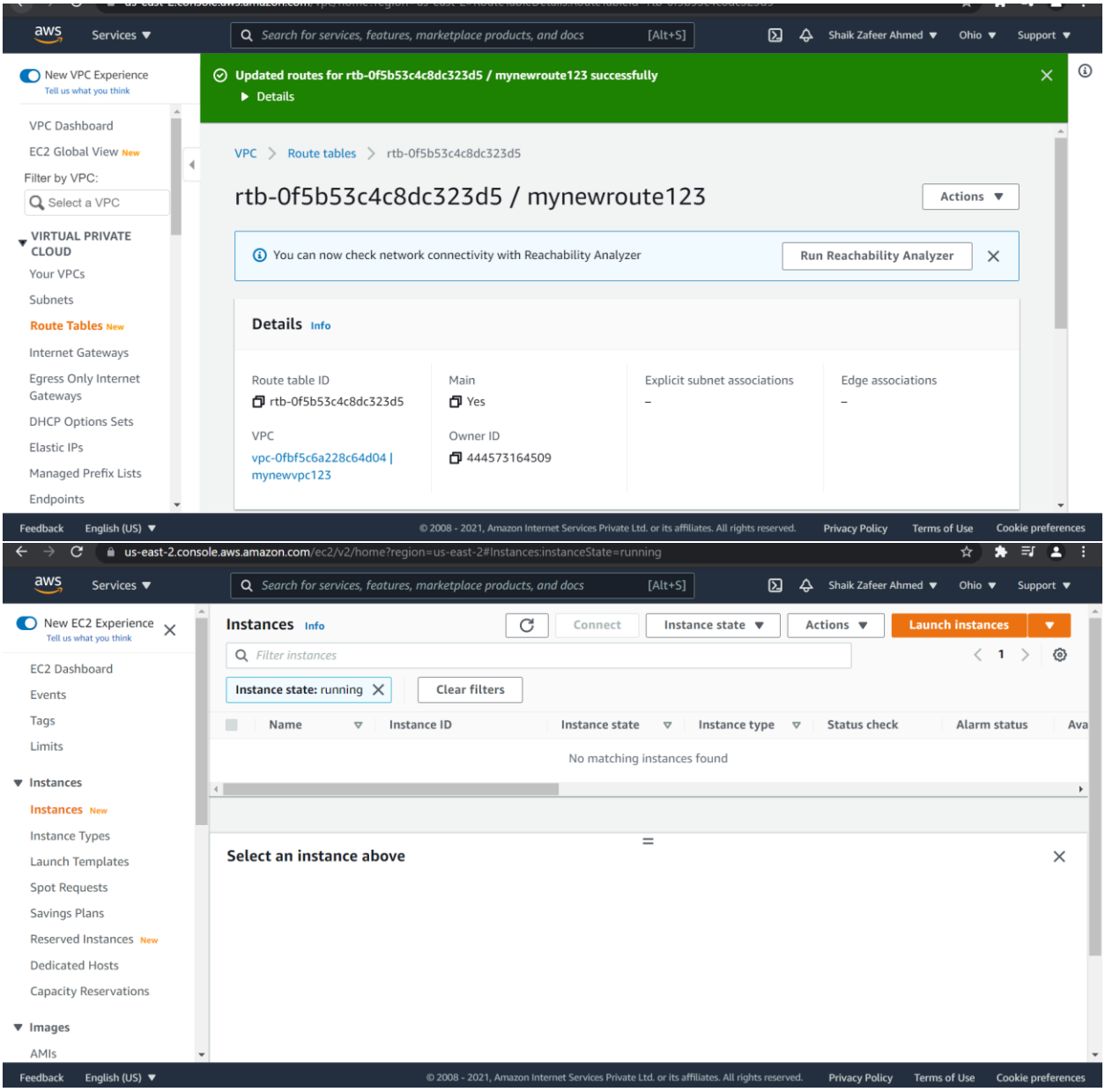
Support
VPC > Route tables > rtb-0f5b53c4c8dc323d5 > Edit routes
Edit routes
Destination
Target
Status
Propagated
40.0.0.0/16
local
Active
No
0.0.0.0/0
igw-01ffb607eabd717e2
–
No
Remove
Add route
Cancel
Preview
Save changes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VPC Dashboard
EC2 Global View New
Filter by VPC:
Select a VPC
VIRTUAL PRIVATE CLOUD
Your VPCs
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Route Tables New
Internet Gateways
Egress Only Internet Gateways
DHCP Options Sets
Elastic IPs
Managed Prefix Lists
Endpoints
Updated routes for rtb-0f5b53c4c8dc323d5 / mynewroute123 successfully
Details
VPC > Route tables > rtb-0f5b53c4c8dc323d5
rtb-0f5b53c4c8dc323d5 / mynewroute123
Actions
You can now check network connectivity with Reachability Analyzer
Run Reachability Analyzer
Details Info
Route table ID
rtb-0f5b53c4c8dc323d5
Main
Yes
Explicit subnet associations
–
Edge associations
–
VPC
vpc-0fbf5c6a228c64d04 | mynewvpc123
Owner ID
444573164509
Feedback
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us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:instanceState=running
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Reserved Instances New
Dedicated Hosts
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Instances Info
Connect
Instance state
Actions
Launch instances
Filter instances
Instance state: running
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
No matching instances found
Select an instance above
Feedback
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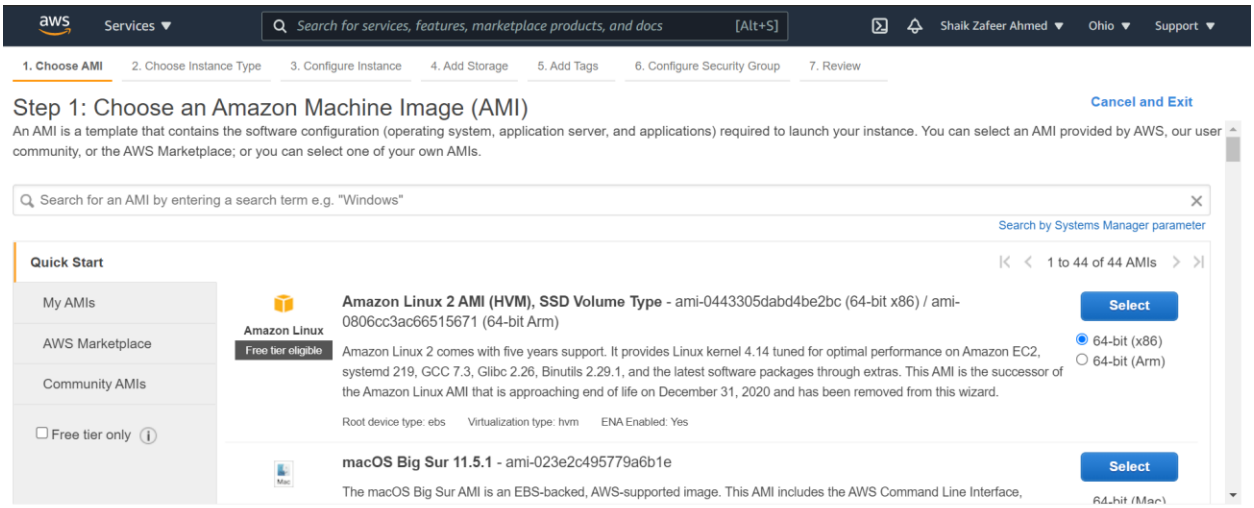
Services
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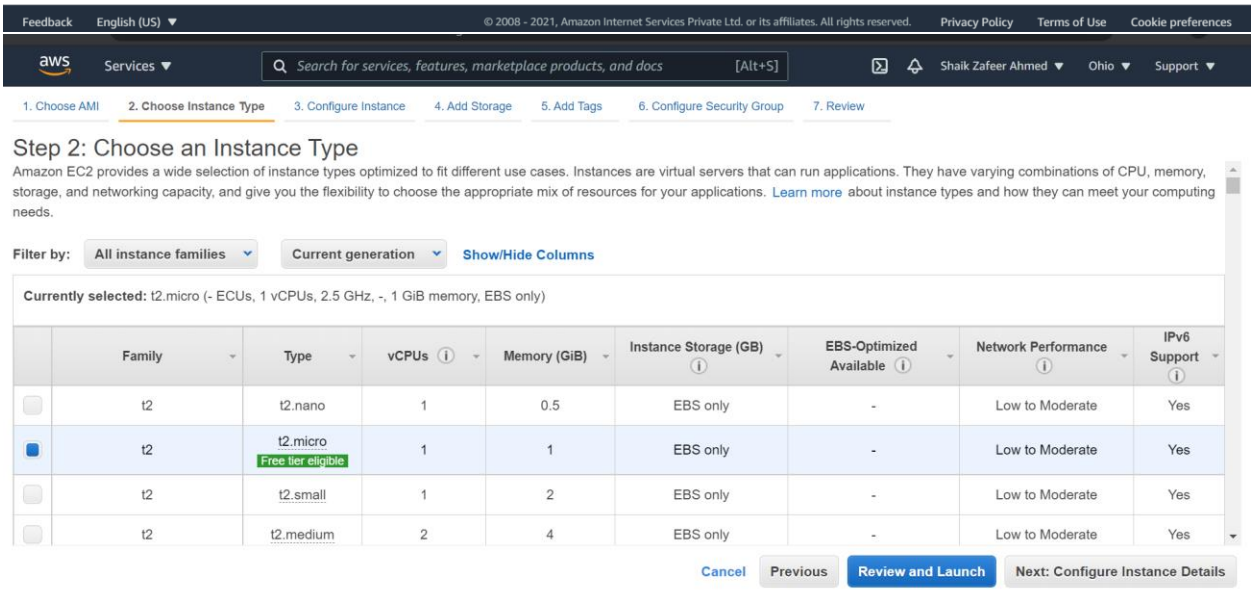
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 1: Choose an Amazon Machine Image (AMI)
Cancel and Exit
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.
Search for an AMI by entering a search term e.g. "Windows"
Search by Systems Manager parameter
Quick Start
1 to 44 of 44 AMIs
My AMIs
AWS Marketplace
Community AMIs
Free tier only
Amazon Linux
Free tier eligible
Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0443305dabd4be2bc (64-bit x86) / ami-0806cc3ac66515671 (64-bit Arm)
Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is approaching end of life on December 31, 2020 and has been removed from this wizard.
Root device type: ebs
Virtualization type: hvm
ENA Enabled: Yes
Select
64-bit (x86)
64-bit (Arm)
macOS Big Sur 11.5.1 - ami-023e2c495779a6b1e
The macOS Big Sur AMI is an EBS-backed, AWS-supported image. This AMI includes the AWS Command Line Interface,
Select
64-bit (Mac)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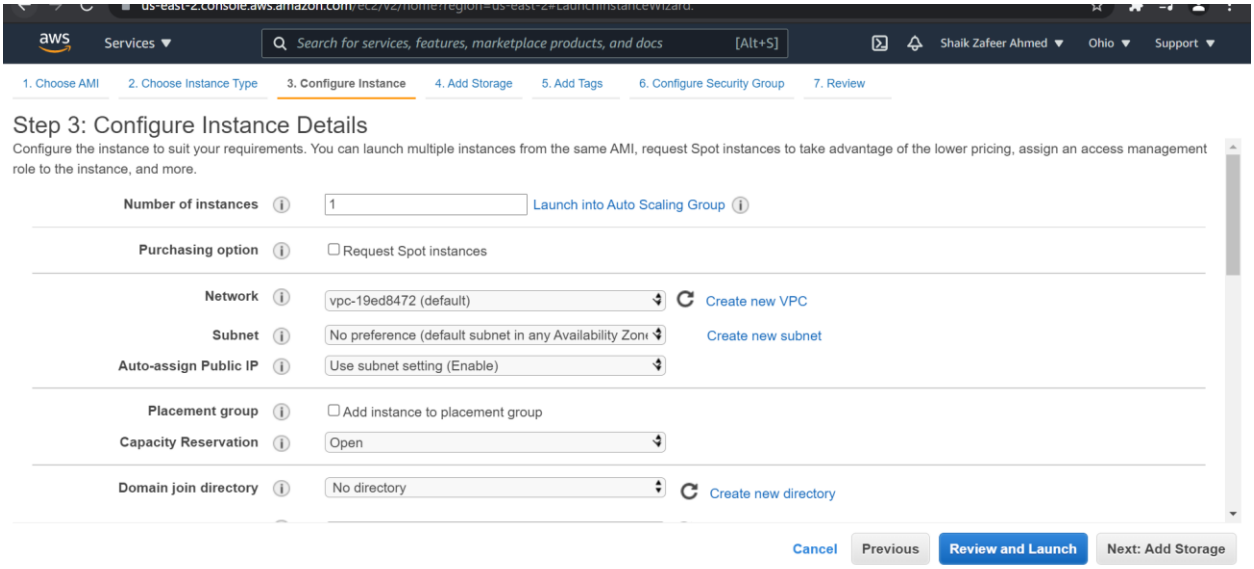
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 2: Choose an Instance Type
Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. Learn more about instance types and how they can meet your computing needs.
Filter by:
All instance families
Current generation
Show/Hide Columns
Currently selected: t2.micro (- ECUs, 1 vCPUs, 2.5 GHz, -, 1 GiB memory, EBS only)
Family
Type
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
IPv6 Support
t2 t2.nano 1 0.5 EBS only - Low to Moderate Yes
t2 t2.micro Free tier eligible 1 1 EBS only - Low to Moderate Yes
t2 t2.small 1 2 EBS only - Low to Moderate Yes
t2 t2.medium 2 4 EBS only - Low to Moderate Yes
Cancel
Previous
Review and Launch
Next: Configure Instance Details


aws
Services
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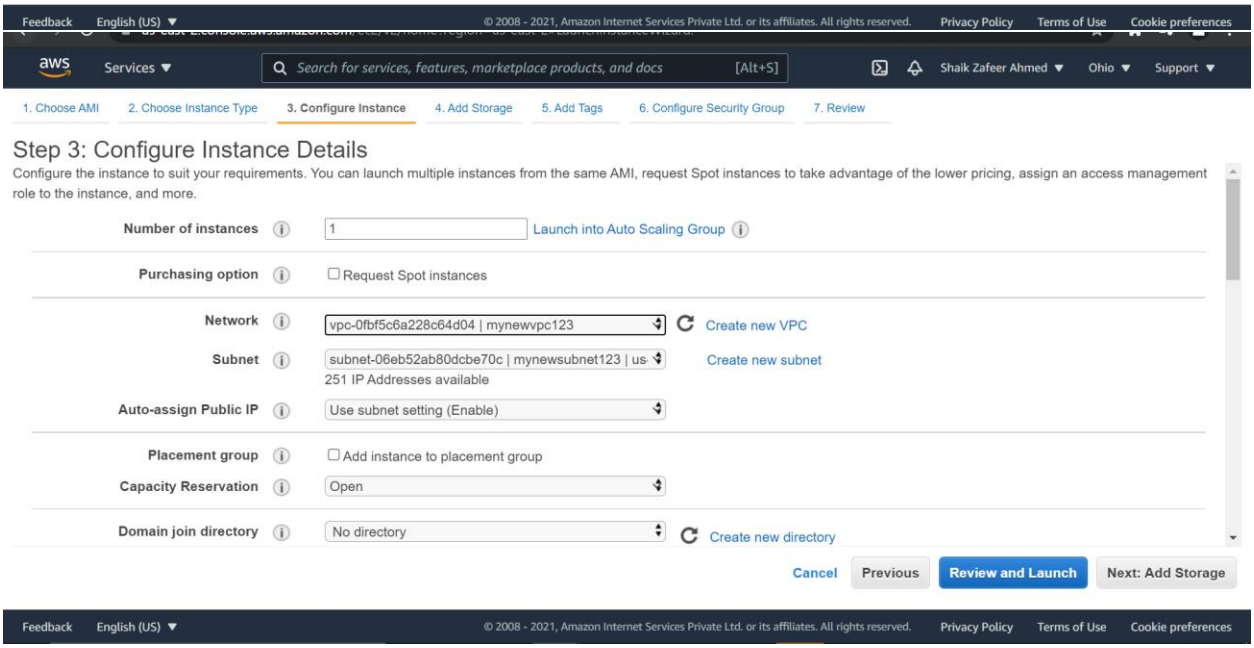
Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-19ed8472 (default)
Create new VPC
Subnet
No preference (default subnet in any Availability Zone
Create new subnet
Auto-assign Public IP
Use subnet setting (Enable)
Placement group
Add instance to placement group
Capacity Reservation
Open
Domain join directory
No directory
Create new directory
Cancel
Previous
Review and Launch
Next: Add Storage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Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.
Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-0fbf5c6a228c64d04 | mynewvpc123
Create new VPC
Subnet
subnet-06eb52ab80dcbe70c | mynewsubnet123 | us
Create new subnet
251 IP Addresses available
Auto-assign Public IP
Use subnet setting (Enable)
Placement group
Add instance to placement group
Capacity Reservation
Open
Domain join directory
No directory
Create new directory
Cancel
Previous
Review and Launch
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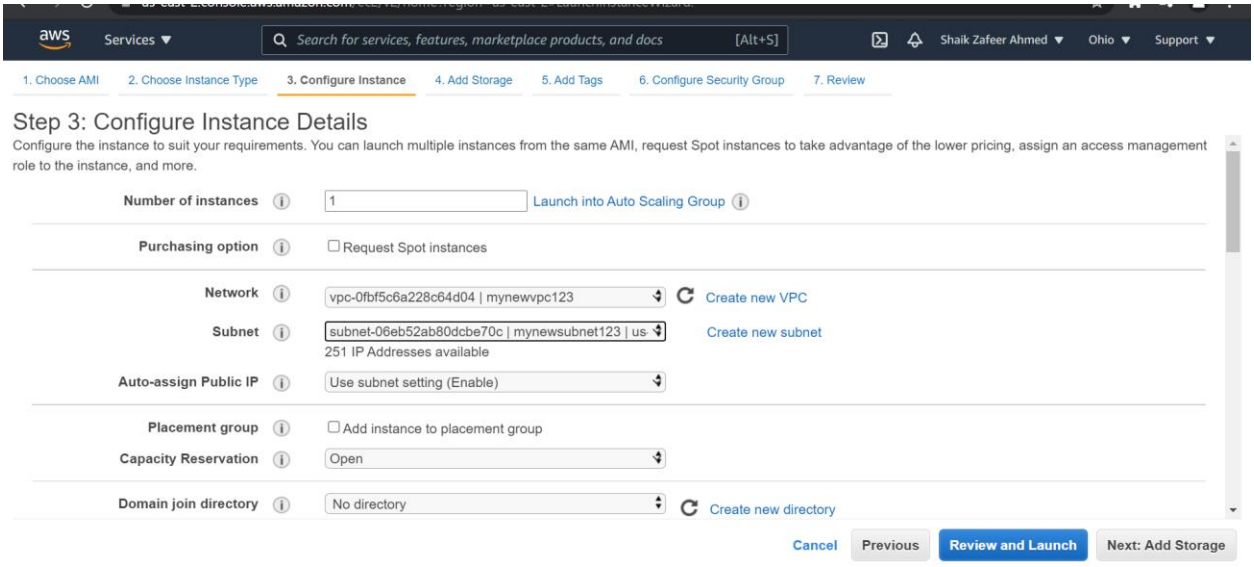
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Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-0fbf5c6a228c64d04 | mynewvpc123
Create new VPC
Subnet
subnet-06eb52ab80dcbe70c | mynewsubnet123 | us
Create new subnet
251 IP Addresses available
Auto-assign Public IP
Use subnet setting (Enable)
Placement group
Add instance to placement group
Capacity Reservation
Open
Domain join directory
No directory
Create new directory
Cancel
Previous
Review and Launch
Next: Add Storage
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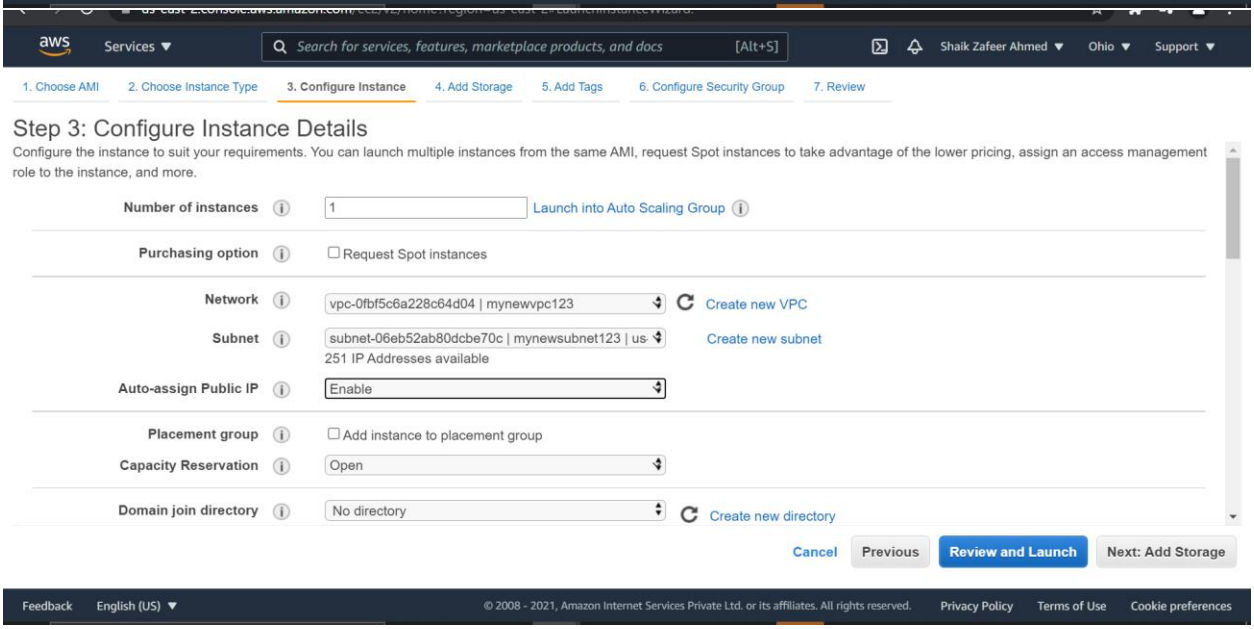
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Number of instances
1
Launch into Auto Scaling Group
Purchasing option
Request Spot instances
Network
vpc-0fbf5c6a228c64d04 | mynewvpc123
Create new VPC
Subnet
subnet-06eb52ab80dcbe70c | mynewsubnet123 | us
Create new subnet
251 IP Addresses available
Auto-assign Public IP
Enable
Placement group
Add instance to placement group
Capacity Reservation
Open
Domain join directory
No directory
Create new directory
Cancel
Previous
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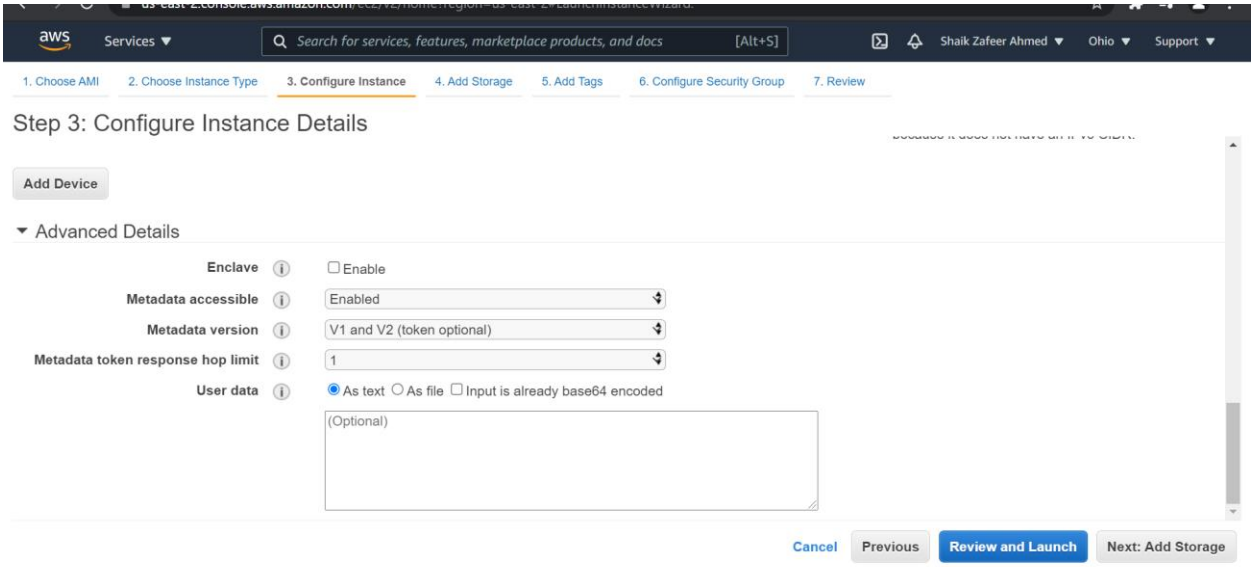
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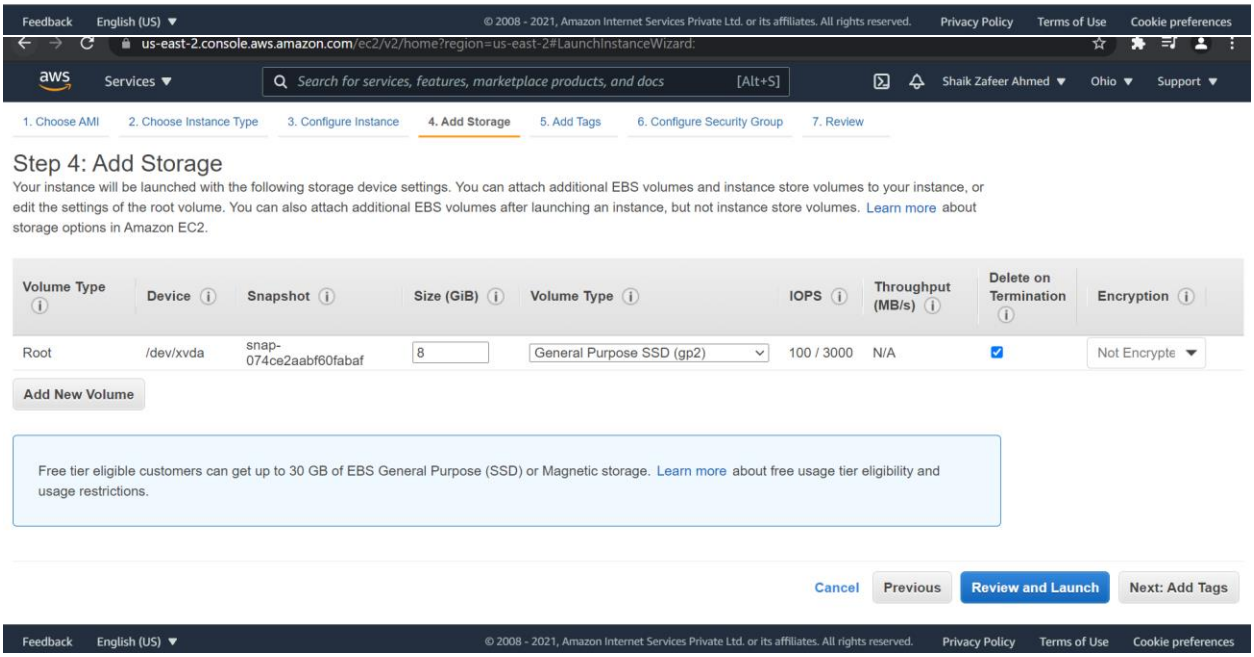
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 3: Configure Instance Details
Add Device
Advanced Details
Enclave
Enable
Metadata accessible
Enabled
Metadata version
V1 and V2 (token optional)
Metadata token response hop limit
1
User data
As text
As file
Input is already base64 encoded
(Optional)
Cancel
Previous
Review and Launch
Next: Add Storage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us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
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7. Review
Step 4: Add Storage
Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. Learn more about storage options in Amazon EC2.
Volume Type
Device
Snapshot
Size (GiB)
Volume Type
IOPS
Throughput (MB/s)
Delete on Termination
Encryption
Root
/dev/xvda
snap-074ce2aabf60fabaf
8
General Purpose SSD (gp2)
100 / 3000
N/A
Not Encrypte
Add New Volume
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. Learn more about free usage tier eligibility and usage restrictions.
Cancel
Previous
Review and Launch
Next: Add Tags
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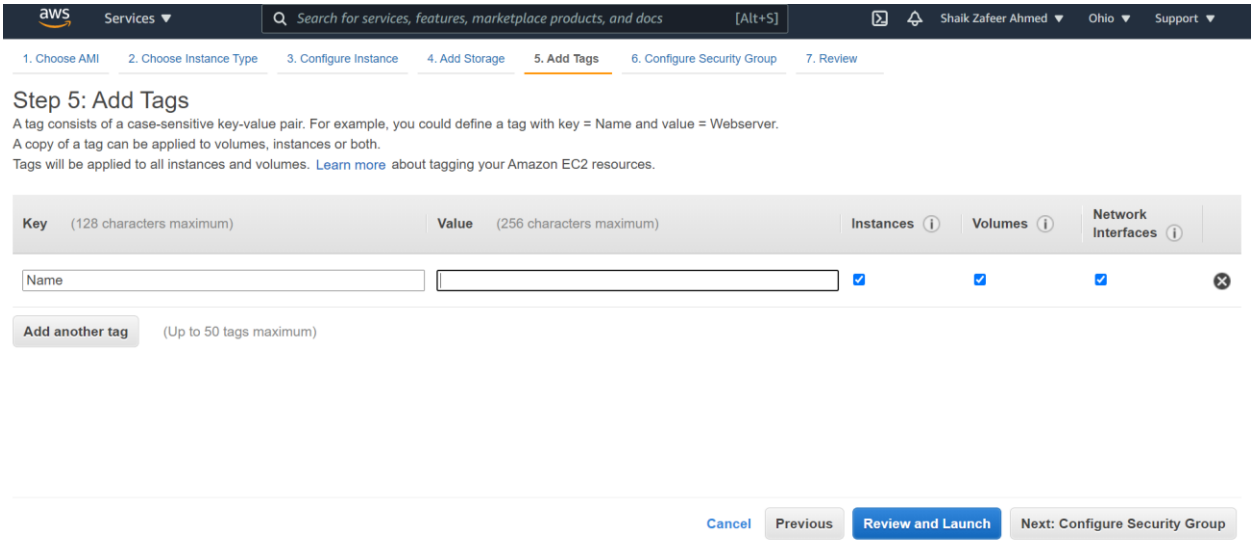
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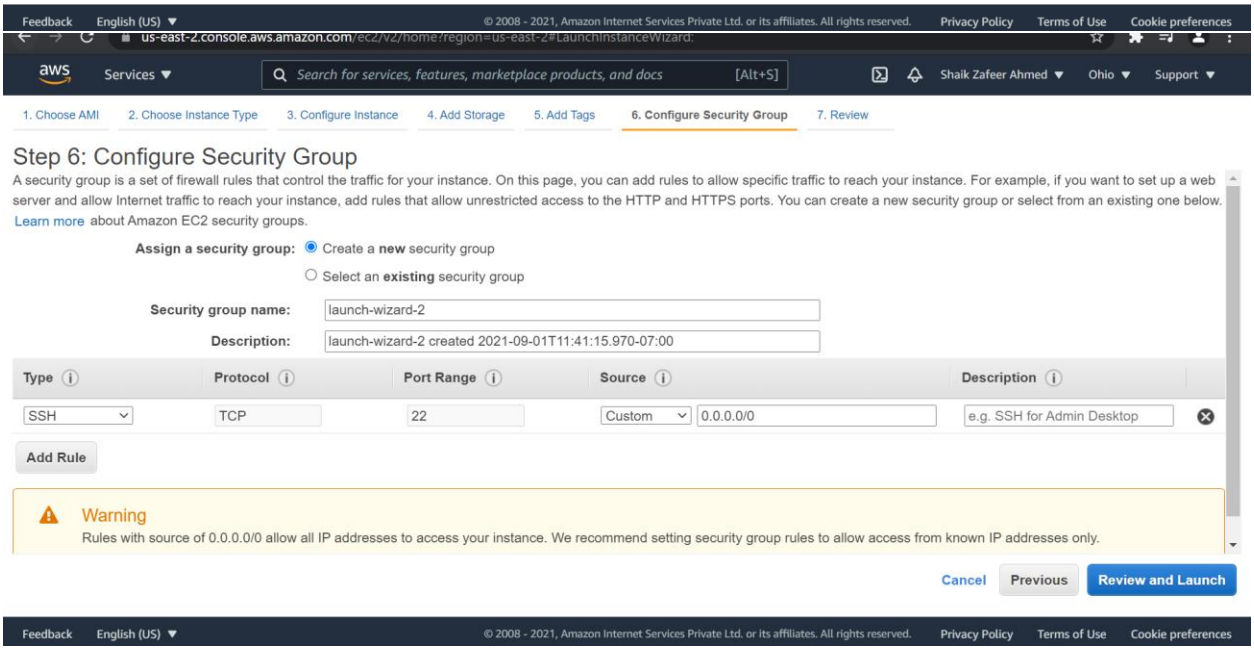
5. Add Tags
6. Configure Security Group
7. Review
Step 5: Add Tags
A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver.
A copy of a tag can be applied to volumes, instances or both.
Tags will be applied to all instances and volumes. Learn more about tagging your Amazon EC2 resources.
Key (128 characters maximum)
Value (256 characters maximum)
Instances
Volumes
Network Interfaces
Name
Add another tag
(Up to 50 tags maximum)
Cancel
Previous
Review and Launch
Next: Configure Security Group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us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard:
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Support
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
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5. Add Tags
6. Configure Security Group
7. Review
Step 6: Configure Security Group
A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below.
Learn more about Amazon EC2 security groups.
Assign a security group: Create a new security group
Select an existing security group
Security group name: launch-wizard-2
Description: launch-wizard-2 created 2021-09-01T11:41:15.970-07:00
Type
Protocol
Port Range
Source
Description
SSH
TCP
22
Custom
0.0.0.0/0
e.g. SSH for Admin Desktop
Add Rule
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch
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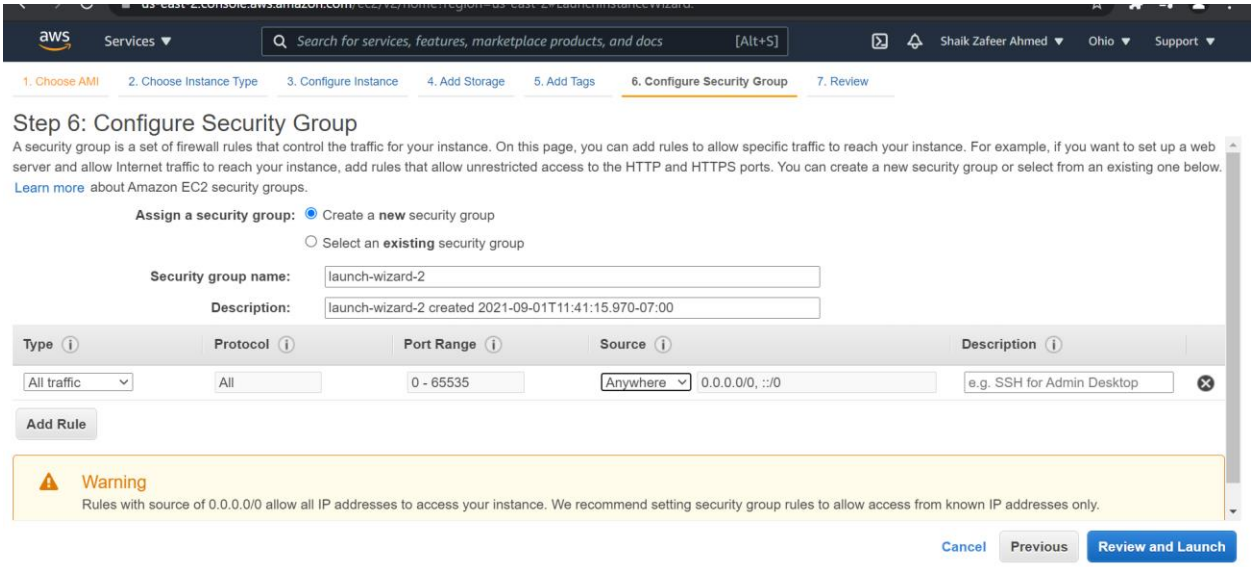
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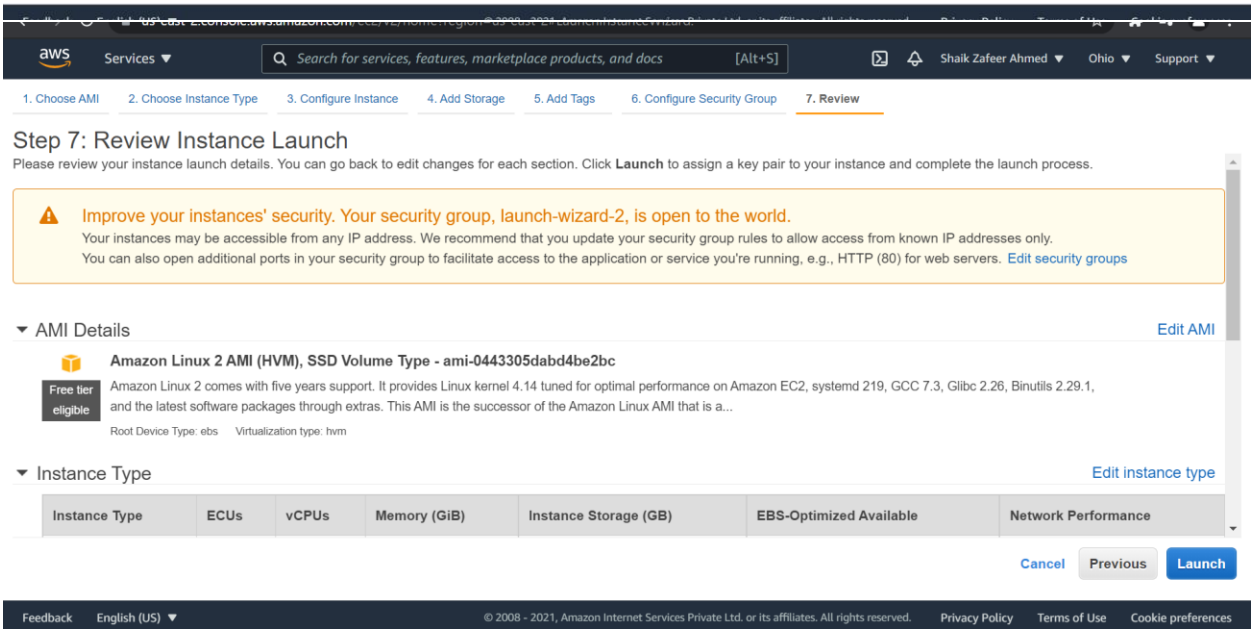
Learn more about Amazon EC2 security groups.
Assign a security group: Create a new security group
Select an existing security group
Security group name: launch-wizard-2
Description: launch-wizard-2 created 2021-09-01T11:41:15.970-07:00
Type
Protocol
Port Range
Source
Description
All traffic
All
0 - 65535
Anywhere
0.0.0.0/0, ::/0
e.g. SSH for Admin Desktop
Add Rule
Warning
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Cancel
Previous
Review and Launch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5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance Launch
Please review your instance launch details. You can go back to edit changes for each section. Click Launch to assign a key pair to your instance and complete the launch process.
Improve your instances' security. Your security group, launch-wizard-2, is open to the world.
Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only.
You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. Edit security groups
AMI Details
Edit AMI
Amazon Linux 2 AMI (HVM), SSD Volume Type - ami-0443305dabd4be2bc
Free tier eligible
Amazon Linux 2 comes with five years support. It provides Linux kernel 4.14 tuned for optimal performance on Amazon EC2, systemd 219, GCC 7.3, Glibc 2.26, Binutils 2.29.1, and the latest software packages through extras. This AMI is the successor of the Amazon Linux AMI that is a...
Root Device Type: ebs Virtualization type: hvm
Instance Type
Edit instance type
Instance Type
ECUs
vCPUs
Memory (GiB)
Instance Storage (GB)
EBS-Optimized Available
Network Performance
Cancel
Previous
Launch
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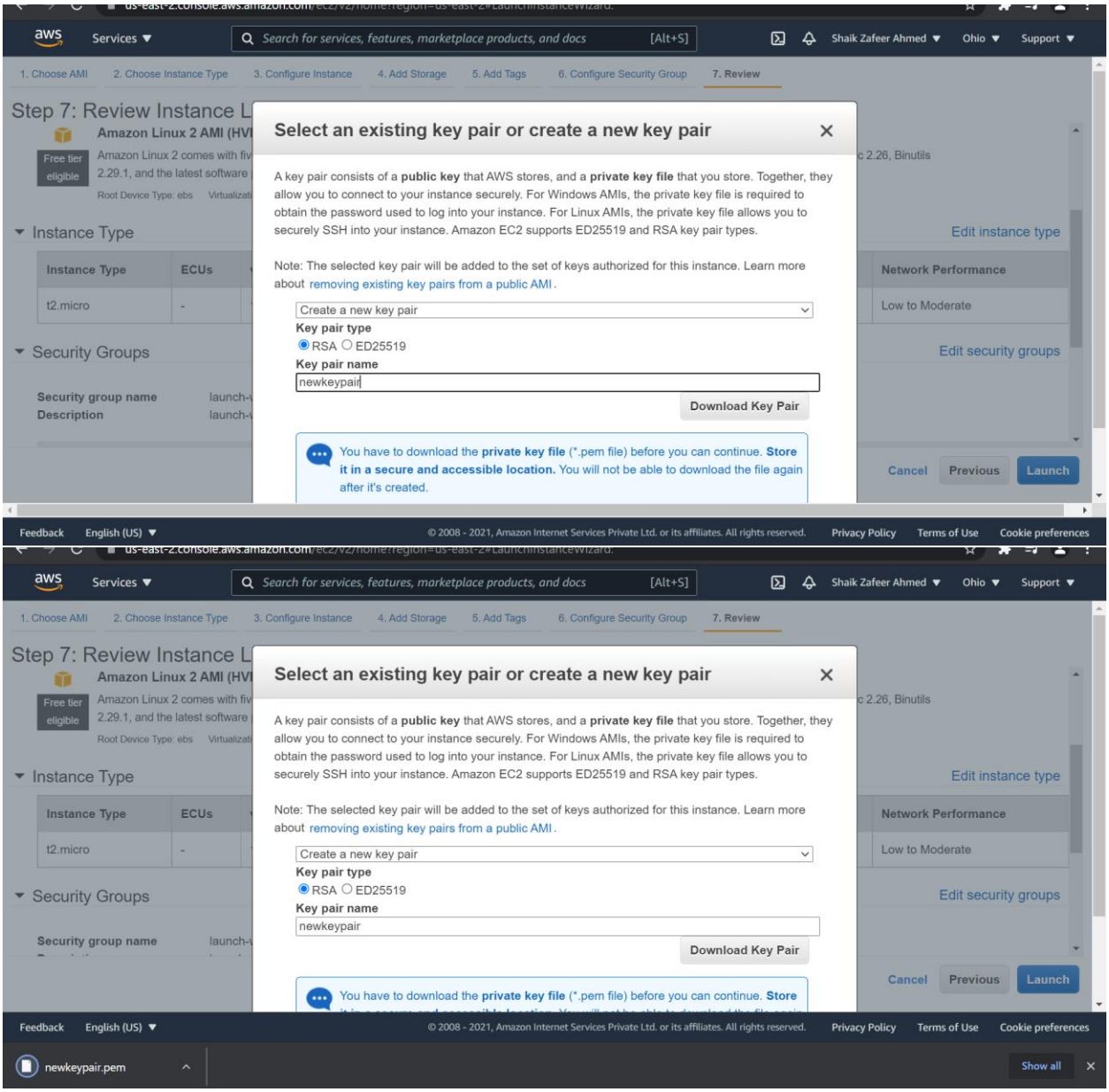
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2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Add Tags
6. Configure Security Group
7. Review
Step 7: Review Instance L
Amazon Linux 2 AMI (HVI
Free tier eligible
Amazon Linux 2 comes with fiv
2.29.1, and the latest software
Root Device Type: ebs
Virtualizati
Instance Type
Edit instance type
Instance Type
ECUs
Network Performance
t2.micro
-
Low to Moderate
Security Groups
Edit security groups
Security group name
launch-
Description
launch-
Cancel
Previous
Launch
Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Amazon EC2 supports ED25519 and RSA key pair types.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Create a new key pair
Key pair type
RSA
ED25519
Key pair name
newkeypair
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.
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Amazon Linux 2 AMI (HVI
Free tier eligible
Amazon Linux 2 comes with fiv
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Root Device Type: ebs
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Edit instance type
Instance Type
ECUs
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t2.micro
-
Low to Moderate
Security Groups
Edit security groups
Security group name
launch-
Cancel
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Launch
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Key pair type
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ED25519
Key pair name
newkeypair
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store
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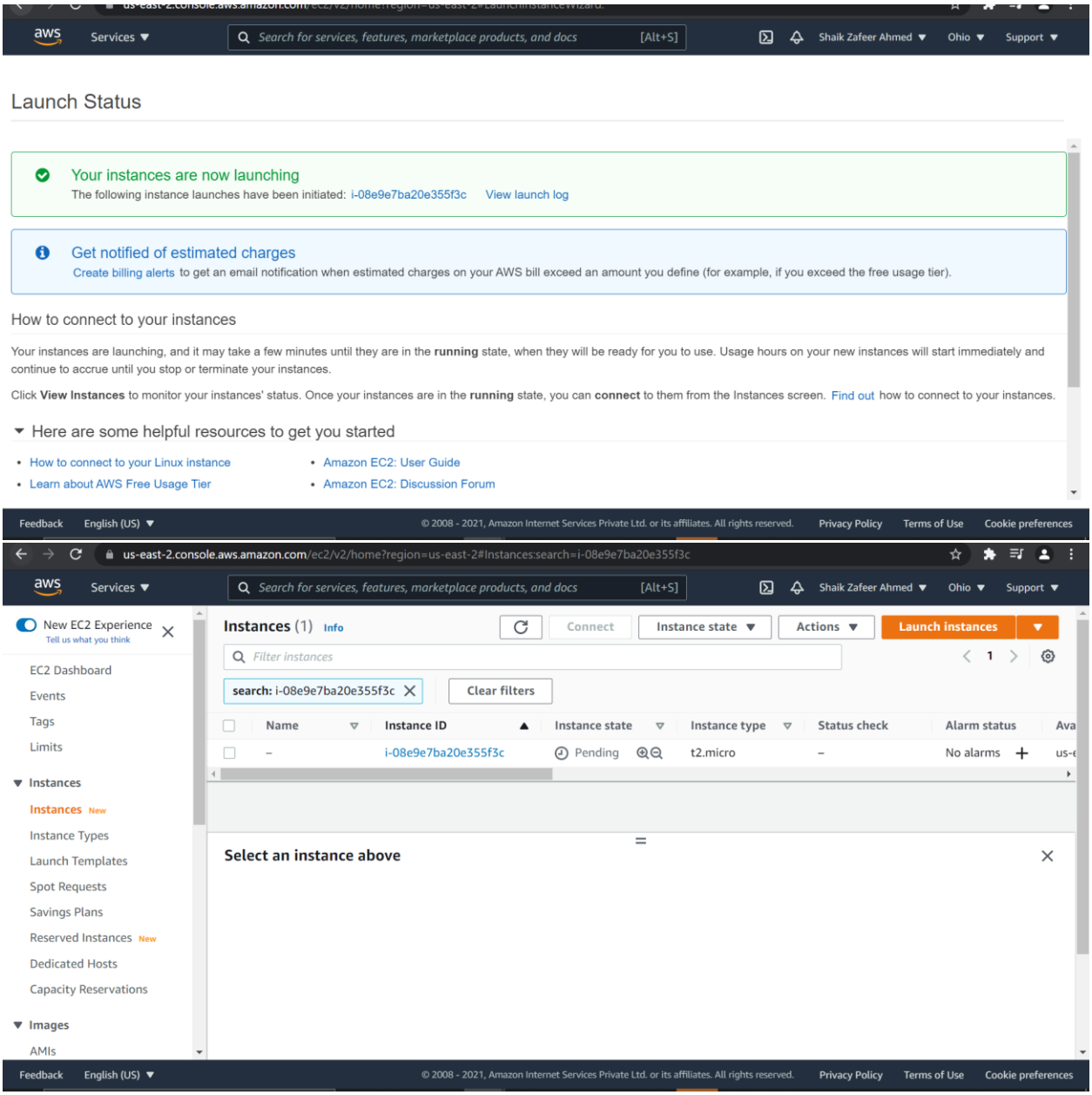
newkeypair.pem
Show all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Launch Status
Your instances are now launching
The following instance launches have been initiated: i-08e9e7ba20e355f3c View launch log
Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).
How to connect to your instances
Your instances are launching, and it may take a few minutes until they are in the running state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.
Click View Instances to monitor your instances' status. Once your instances are in the running state, you can connect to them from the Instances screen. Find out how to connect to your instances.
Here are some helpful resources to get you started
How to connect to your Linux instance
Learn about AWS Free Usage Tier
Amazon EC2: User Guide
Amazon EC2: Discussion Forum
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us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#Instances:search=i-08e9e7ba20e355f3c
New EC2 Experience
Tell us what you think
EC2 Dashboard
Events
Tags
Limits
Instances
Instances New
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances New
Dedicated Hosts
Capacity Reservations
Images
AMIs
Instances (1) Info
Connect
Instance state
Actions
Launch instances
Filter instances
search: i-08e9e7ba20e355f3c
Clear filters
Name
Instance ID
Instance state
Instance type
Status check
Alarm status
i-08e9e7ba20e355f3c
Pending
t2.micro
No alarms
Select an instance above