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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateVpc:createMode=vpcOnly

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N. Virginia

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S3 IAM

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

Resources to create [Info](#)

Create only the VPC resource or the VPC and other networking resources.

☒ VPC only

☐ VPC and more

Name tag - *optional*

Creates a tag with a key of 'Name' and a value that you specify.

my-vpc

IPv4 CIDR block [Info](#)

☒ IPv4 CIDR manual input

☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

Feedback

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NO IPv6 CIDR BLOCK

☐ IPAM-allocated 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*

Q Name

X

Q my-vpc

X

Remove

Add new tag

You can add 49 more tags.

Cancel

Create VPC

Feedback

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#VpcDetails:VpcId=vpc-03190990d9c79f616

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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
Internet gateways
Egress-only internet gateways
Carrier gateways
DHCP Option Sets
Elastic IPs

You successfully created vpc-03190990d9c79f616 / my-vpc

VPC > Your VPCs > vpc-03190990d9c79f616

vpc-03190990d9c79f616 / my-vpc Actions

Details Info

VPC ID vpc-03190990d9c79f616	State Available DHCP options set dopt-04f8d6c0a200e41f9 IPv4 CIDR 10.0.0.0/16 Owner ID 420319468440	DNS hostnames Disabled Main route table rtb-065585211247727d3 IPv6 pool -	DNS resolution Enabled Main network ACL acl-06fbff201269293b9 IPv6 CIDR (Network border group) -
Tenancy Default	Route 53 Resolver DNS Firewall rule groups		

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Create Subnet:

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:

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VPC > Subnets > Create subnet

Create subnet Info

VPC

VPC ID
Create subnets in this VPC.
vpc-03190990d9c79f616 (my-vpc)

Associated VPC CIDRs

IPv4 CIDRs
10.0.0.0/16

Subnet settings
Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateSubnet:

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US East (N. Virginia) / us-east-1a

IPv4 CIDR block [Info](#)

10.0.0.0/24

Tags - optional

Key Value - optional

Name my-public-subnet Remove

Add new tag

You can add 49 more tags.

Remove

Add new subnet

Cancel Create subnet

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#subnets:SubnetId=subnet-044e412d4abb48ce8

You have successfully created 1 subnet: subnet-044e412d4abb48ce8

Subnets (1) [Info](#)

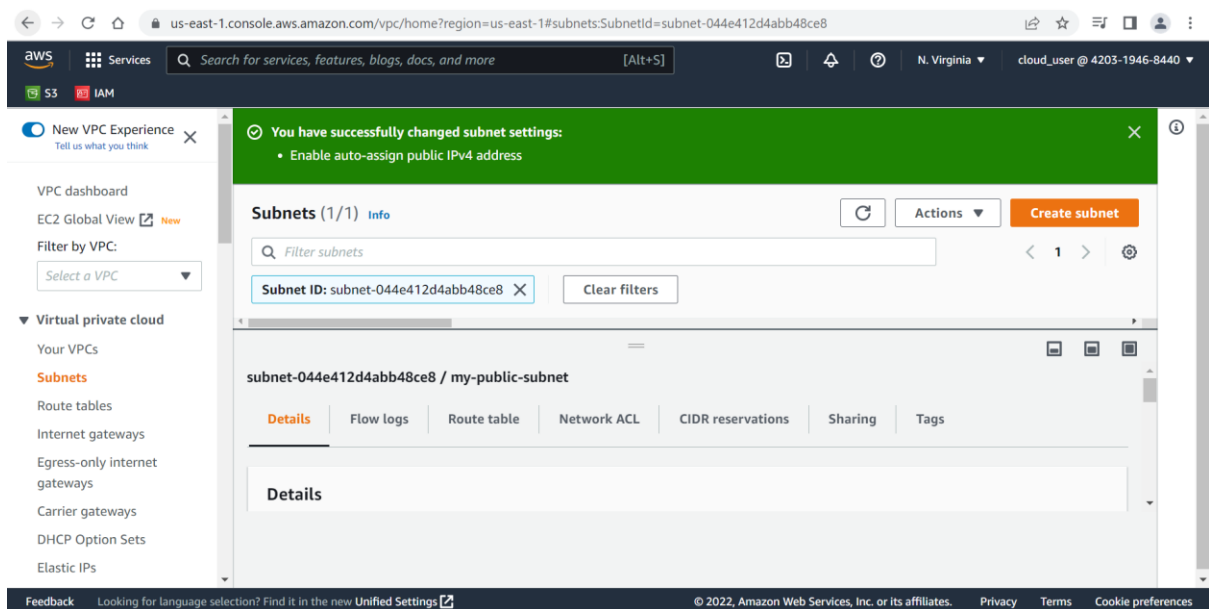
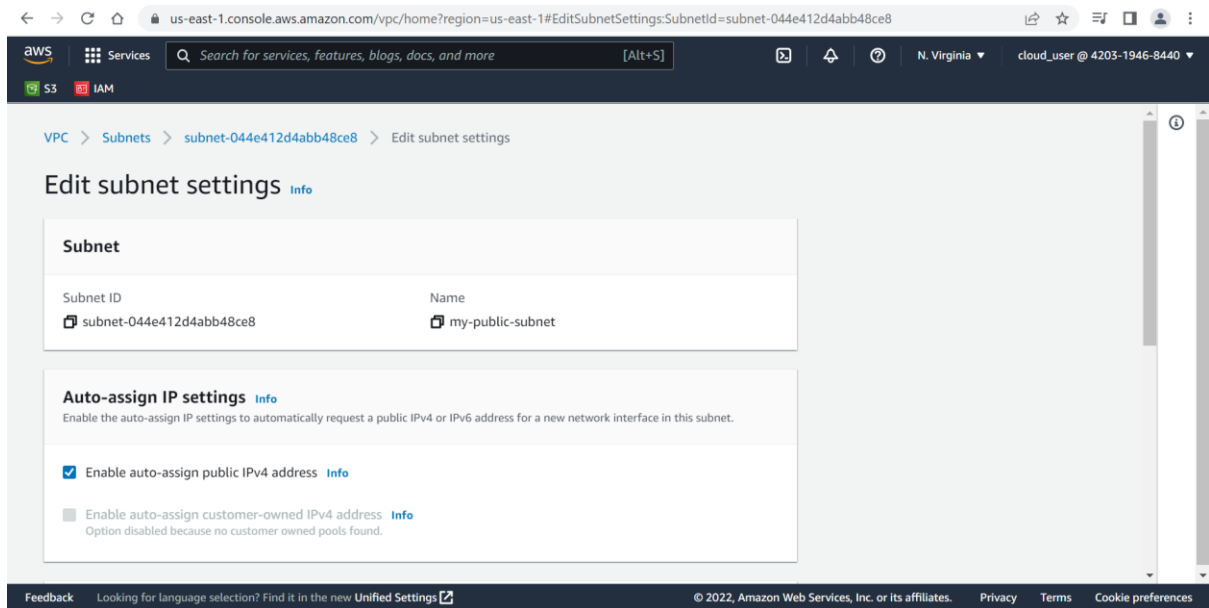
Filter subnets

Subnet ID: subnet-044e412d4abb48ce8 Clear filters

	Name	Subnet ID	State	VPC	IPv4 CIDR
<input type="checkbox"/>	my-public-subnet	subnet-044e412d4abb48ce8	Available	vpc-03190990d9c79f616 my...	10.0.0.0/24

Select a subnet

Create Route traffic:



Internet Gateway:

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateInternetGateway:

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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.

Key	Value - optional	
Name	my-internet-gateway	Remove

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#InternetGateway:internetGatewayId=igw-0b79b6d2c7d938a9f

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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
- Internet gateways
- Egress-only internet gateways
- Carrier gateways
- DHCP Option Sets
- Elastic IPs

The following internet gateway was created: igw-0b79b6d2c7d938a9f - my-internet-gateway. You can now attach to a VPC to enable the VPC to communicate with the internet. [Attach to a VPC](#)

VPC > Internet gateways > igw-0b79b6d2c7d938a9f

igw-0b79b6d2c7d938a9f / my-internet-gateway [Actions](#)

Details [Info](#)

Internet gateway ID	State	VPC ID	Owner
igw-0b79b6d2c7d938a9f	Detached	-	420319468440

Tags

Search tags

Manage tags

Key	Value
-----	-------

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#AttachInternetGateway:internetGatewayId=igw-0b79b6d2c7d938a9f

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VPC > Internet gateways > Attach to VPC (igw-0b79b6d2c7d938a9f)

Attach to VPC (igw-0b79b6d2c7d938a9f) 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.

▶ AWS Command Line Interface command

Cancel **Attach internet gateway**

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Create Route Tables:

us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#CreateRouteTable:

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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.

VPC
The VPC to use for this route table.

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
-----	------------------

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-034fbac53ad95140e

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Route table rtb-034fbac53ad95140e | public-route-table was created successfully.

VPC > Route tables > rtb-034fbac53ad95140e

rtb-034fbac53ad95140e / public-route-table Actions

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

Details info

Route table ID rtb-034fbac53ad95140e	Main No	Explicit subnet associations -	Edge associations -
VPC vpc-03190990d9c79f616 my-vpc	Owner ID 420319468440		

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRoutes:RouteTableId=rtb-034fbac53ad95140e

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VPC > Route tables > rtb-034fbac53ad95140e > Edit routes

Edit routes

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No
0.0.0.0/0	igw-0b79b6d2c7d938a9f	-	No

Add route

Remove

Cancel Preview **Save changes**

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us-east-1.console.aws.amazon.com/vpc/home?region=us-east-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-034fbac53ad95140e

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Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (1/1)

Filter subnet associations

<input checked="" type="checkbox"/>	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/>	my-public-subnet	subnet-044e412d4abb48ce8	10.0.0.0/24	-	Main (rtb-065585211247727d3)

Selected subnets

subnet-044e412d4abb48ce8 / my-public-subnet X

Cancel Save associations

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Create EC2 instance:

us-east-1.console.aws.amazon.com/ec2/v2/home?region=us-east-1#LaunchInstances:

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Launch an instance

Amazon EC2 allows you to create virtual machines, or instances, that run on the AWS Cloud. Quickly get started by following the simple steps below.

Name and tags

Name

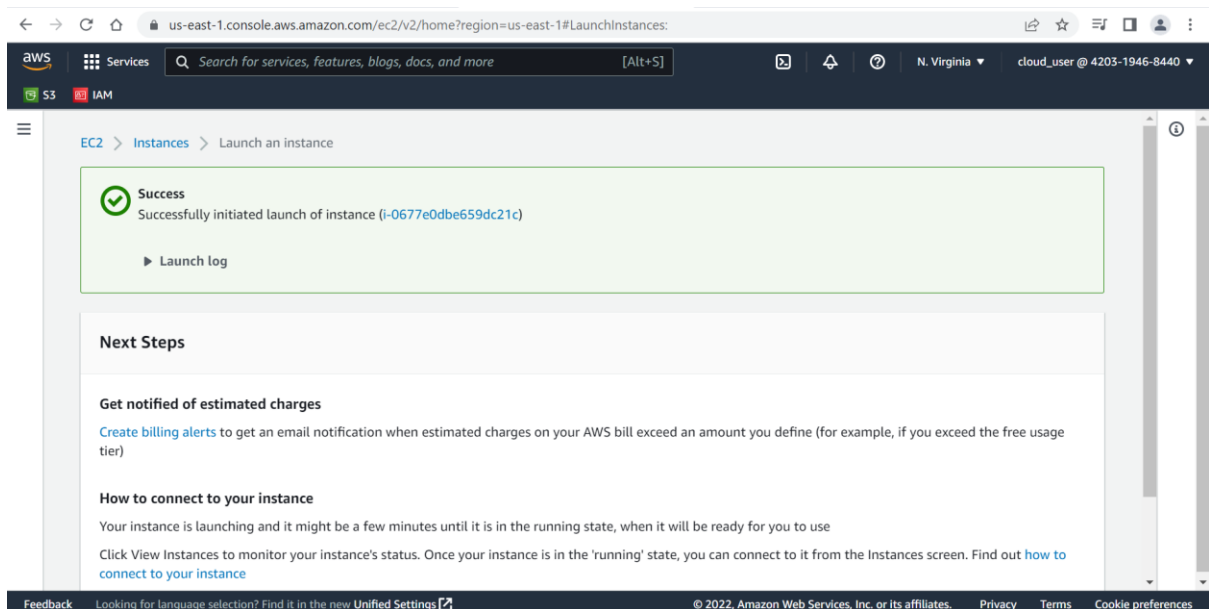
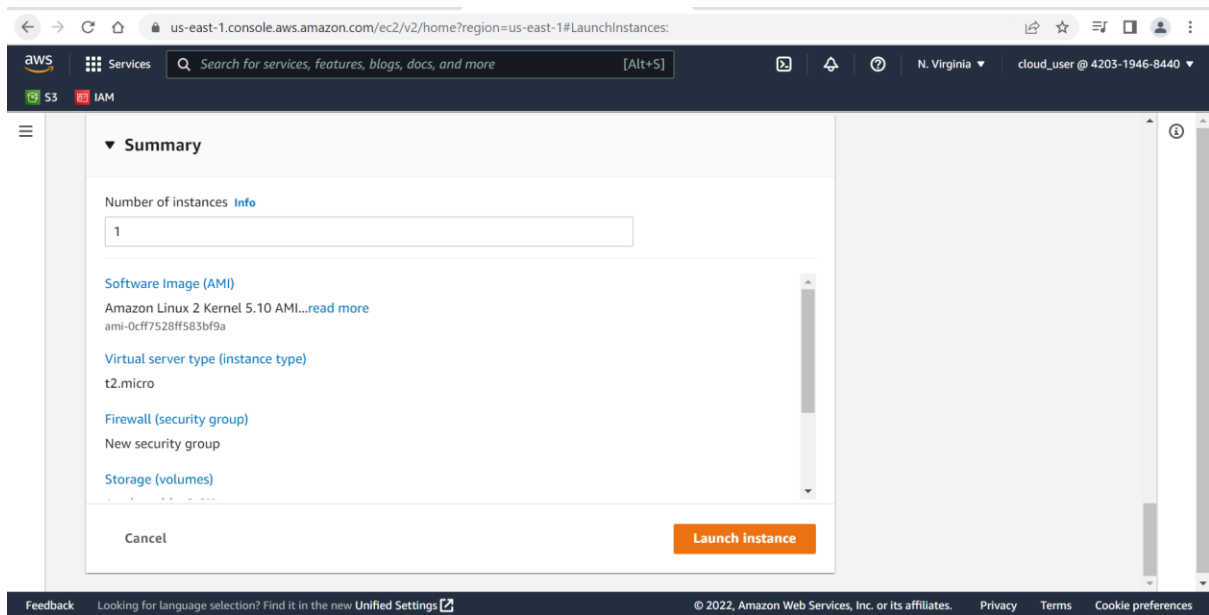
web server Add additional tags

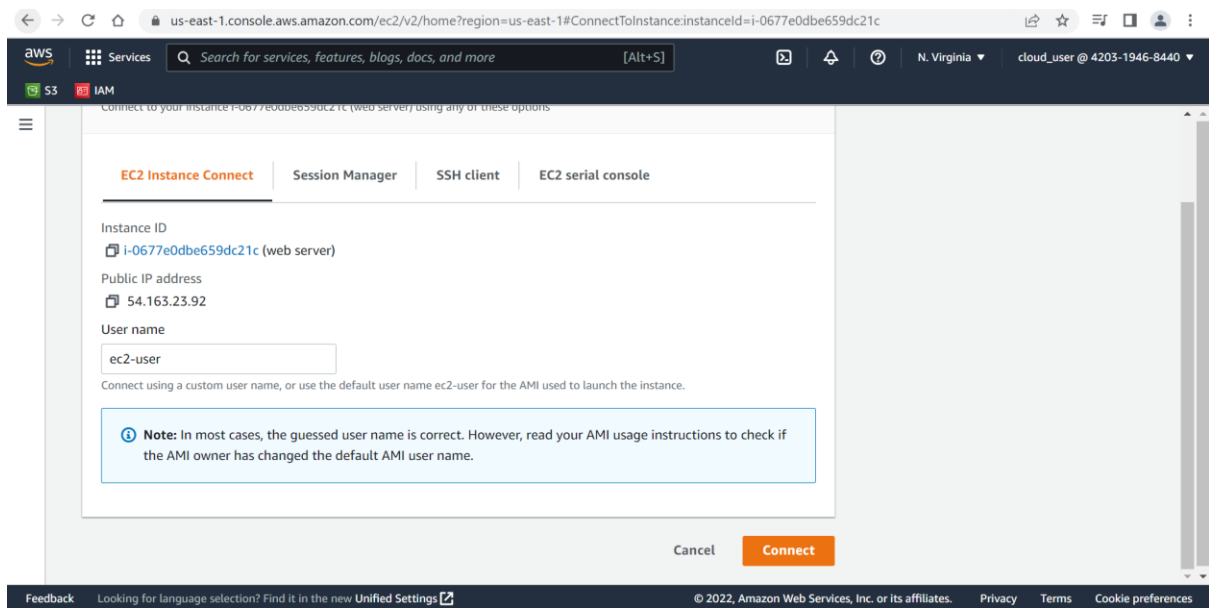
Application and OS Images (Amazon Machine Image)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Search our full catalog including 1000s of application and OS images

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us-east-1.console.aws.amazon.com/ec2/v2/connect/ec2-user/i-0677e0dbe659dc21c



There was a problem connecting to your instance

[Retry](#)

i-0677e0dbe659dc21c (web server)

Public IPs: 54.163.23.92 Private IPs: 10.0.0.99