

Aswin/task 4 Automate Copyin

VPC | us-east-1

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

aws

Search

[Alt+S]

United States (N. Virginia)

Aswin J

VPC dashboard

EC2 Global View

Filter by VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

Carrier gateways

DHCP option sets

Elastic IPs

Managed prefix lists

NAT gateways

Peering connections

Security

Network ACLs

Create VPC

Launch EC2 Instances

Note: Your instances will launch in the US East region.

Resources by Region

You are using the following Amazon VPC resources

VPCs

US East 3

See all regions

NAT Gateways

US East 0

See all regions

Subnets

US East 14

See all regions

VPC Peering Connections

US East 0

See all regions

Route Tables

US East 9

See all regions

Network ACLs

US East 3

See all regions

Internet Gateways

US East 3

See all regions

Security Groups

US East 10

See all regions

Egress-only Internet Gateways

US East 0

See all regions

Customer Gateways

US East 0

See all regions

Refresh Resources

Service Health

View complete service health details

Settings

Block Public Access

Zones

Console Experiments

Additional Information

VPC Documentation

All VPC Resources

Forums

Report an Issue

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06-02-2025

Aswin/task 4 Automate Copyin x>CreateVpc | VPC Console x+

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

aws Search [Alt+S] United States (N. Virginia) Aswin J

VPC > Your VPCs > Create VPC

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.

vpc1

IPv4 CIDR block [Info](#)
☒ IPv4 CIDR manual input☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR
10.0.0.0/16
CIDR block size must be between /16 and /28.

IPv6 CIDR block [Info](#)
☒ No IPv6 CIDR block☐ IPAM-allocated IPv6 CIDR block☐ Amazon-provided IPv6 CIDR block☐ IPv6 CIDR owned by me

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VPC | us-east-1

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#VpcDetails:VpcId=vpc-0659a10068f197521

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VPC > Your VPCs > vpc-0659a10068f197521

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Network ACLs

You successfully created vpc-0659a10068f197521 / vpc1

vpc-0659a10068f197521 / vpc1

Actions

Details

Info

VPC ID

vpc-0659a10068f197521

DNS resolution

Enabled

Main network ACL

acl-06b7a898736a0cff5

IPv6 CIDR (Network border group)

-

State

Available

Tenancy

Default

Default VPC

No

Network Address Usage metrics

Disabled

Block Public Access

Off

DHCP option set

dopt-092aaec01d645f40c

IPv4 CIDR

10.0.0.0/16

Route 53 Resolver DNS Firewall rule groups

-

DNS hostnames

Disabled

Main route table

rtb-0afb325bd9347b900

IPv6 pool

-

Owner ID

183631322302

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource map

Info

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

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VPC dashboard

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Filter by VPC

- Virtual private cloud
 - Your VPCs
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- Security
 - Network ACLs

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Subnets (14)

Last updated 4 minutes ago

Find resources by attribute or tag

<input type="checkbox"/>	Name	Subnet ID	State	VPC	Bl
<input type="checkbox"/>	project-subnet-private2-us-east-1b	subnet-0ab8783156a335aed	Available	vpc-02adbf33baf8e0a9 proje...	
<input type="checkbox"/>	-	subnet-0e4ad2878b777ec5e	Available	vpc-07111e26b0eb6b1db	
<input type="checkbox"/>	-	subnet-0fe2d6379dbffcd50	Available	vpc-07111e26b0eb6b1db	
<input type="checkbox"/>	project-subnet-public1-us-east-1a	subnet-0f3a1de2b76e81212	Available	vpc-02adbf33baf8e0a9 proje...	
<input type="checkbox"/>	-	subnet-03817e939303010e1	Available	vpc-07111e26b0eb6b1db	

Select a subnet

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Aswin/task 4 Automate CopyinVPC | us-east-1

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

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VPCSubnetsCreate subnet

Create subnet

VPC

VPC ID

Create subnets in this VPC.

Select a VPC

Q vpc1

vpc-0659a10068f197521 (vpc1)
10.0.0.0/16

vpc-0659a10068f197521 (vpc1)

Specify the CIDR blocks and Availability Zone for the subnet.

Select a VPC first to create new subnets.

Add new subnet

CancelCreate subnet

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Aswin/task 4 Automate Copyin x VPC | us-east-1 x

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

aws Search [Alt+S] United States (N. Virginia) Aswin J

VPC > Subnets > Create subnet

Subnet 2 of 2

Subnet name

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

sub2

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.

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

IPv4 VPC CIDR block [Info](#)

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.

10.0.0.0/16

IPv4 subnet CIDR block

10.0.2.0/24 256 IPs

< > ^ v

Tags - optional

Key

Value - optional

Q Name X Q sub2 X Remove

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subnets | VPC Console

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#subnets:subnetId=subnet-04cdc86b411fb500a,subnet-00968bd41fa99a196

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Network ACLs

You have successfully created 2 subnets: subnet-04cdc86b411fb500a, subnet-00968bd41fa99a196

Subnets (2)

Info

Last updated less than a minute ago

Actions

Create subnet

Find resources by attribute or tag

Subnet ID : subnet-04cdc86b411fb500a

Subnet ID : subnet-00968bd41fa99a196

Clear filters

<input type="checkbox"/>	Name	Subnet ID	State	VPC	Block
<input type="checkbox"/>	sub2	subnet-00968bd41fa99a196	Available	vpc-0659a10068f197521 vpc1	
<input type="checkbox"/>	sub1	subnet-04cdc86b411fb500a	Available	vpc-0659a10068f197521 vpc1	

Select a subnet

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Aswin/task 4 Automate Copyin x VPC | us-east-1 x

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

aws Search [Alt+S] United States (N. Virginia) Aswin J

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.

VPC
The VPC to use for this route table.

vpc-0659a10068f197521 (vpc1)

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
 [Remove](#)

[Add new tag](#)

You can add 49 more tags.

[Cancel](#) [Create route table](#)

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VPC | us-east-1

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-0685aeb38b9be6fb3

aws

Search

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United States (N. Virginia)

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VPC > Route tables > rtb-0685aeb38b9be6fb3

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Network ACLs

Route table rtb-0685aeb38b9be6fb3 | r1 was created successfully.

rtb-0685aeb38b9be6fb3 / r1

Actions

Details

Route table ID

rtb-0685aeb38b9be6fb3

VPC

vpc-0659a10068f197521 | vpc1

Main

No

Owner ID

183631322302

Explicit subnet associations

-

Edge associations

-

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (1)

Both

Edit routes

Filter routes

1

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

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VPC | us-east-1

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-0685aeb38b9be6fb3

aws

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United States (N. Virginia)

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VPC > Route tables > rtb-0685aeb38b9be6fb3

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Route table rtb-0685aeb38b9be6fb3 | r1 was created successfully.

rtb-0685aeb38b9be6fb3 / r1

Actions

Details

Route table ID

rtb-0685aeb38b9be6fb3

VPC

vpc-0659a10068f197521 | vpc1

Main

No

Owner ID

183631322302

Explicit subnet associations

-

Edge associations

-

Routes

Subnet associations

Edge associations

Route propagation

Tags

Explicit subnet associations (0)

Edit subnet associations

Find subnet association

Name	Subnet ID	IPv4 CIDR	IPv6 CIDR
No subnet associations			
You do not have any subnet associations.			

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Aswin/task 4 Automate CopyinVPC | us-east-1

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#EditRouteTableSubnetAssociations:RouteTableId=rtb-0685aeb38b9be6fb3

aws

Search [Alt+S]

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VPCRoute tablesrtb-0685aeb38b9be6fb3Edit subnet associations

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (2/2)

Filter subnet associations

<1>

<input checked="" type="checkbox"/>	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/>	sub2	subnet-00968bd41fa99a196	10.0.2.0/24	–	Main (rtb-0afb325bd9347b900)
<input checked="" type="checkbox"/>	sub1	subnet-04cdc86b411fb500a	10.0.0.0/24	–	Main (rtb-0afb325bd9347b900)

Selected subnets

subnet-00968bd41fa99a196 / sub2

subnet-04cdc86b411fb500a / sub1

Cancel

Save associations

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Aswin/task 4 Automate CopyinVPC | us-east-1

us-east-1.console.aws.amazon.com/vpcconsole/home?region=us-east-1#RouteTableDetails:RouteTableId=rtb-0685aeb38b9be6fb3

aws

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VPCRoute tablesrtb-0685aeb38b9be6fb3

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Network ACLs

You have successfully updated subnet associations for rtb-0685aeb38b9be6fb3 / r1.

rtb-0685aeb38b9be6fb3 / r1

Actions

Details

Route table ID

rtb-0685aeb38b9be6fb3

VPC

vpc-0659a10068f197521 | vpc1

Main

No

Owner ID

183631322302

Explicit subnet associations

2 subnets

Edge associations

-

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (1)

Both

Edit routes

Filter routes

1

Destination	Target	Status	Propagated
10.0.0.0/16	local	Active	No

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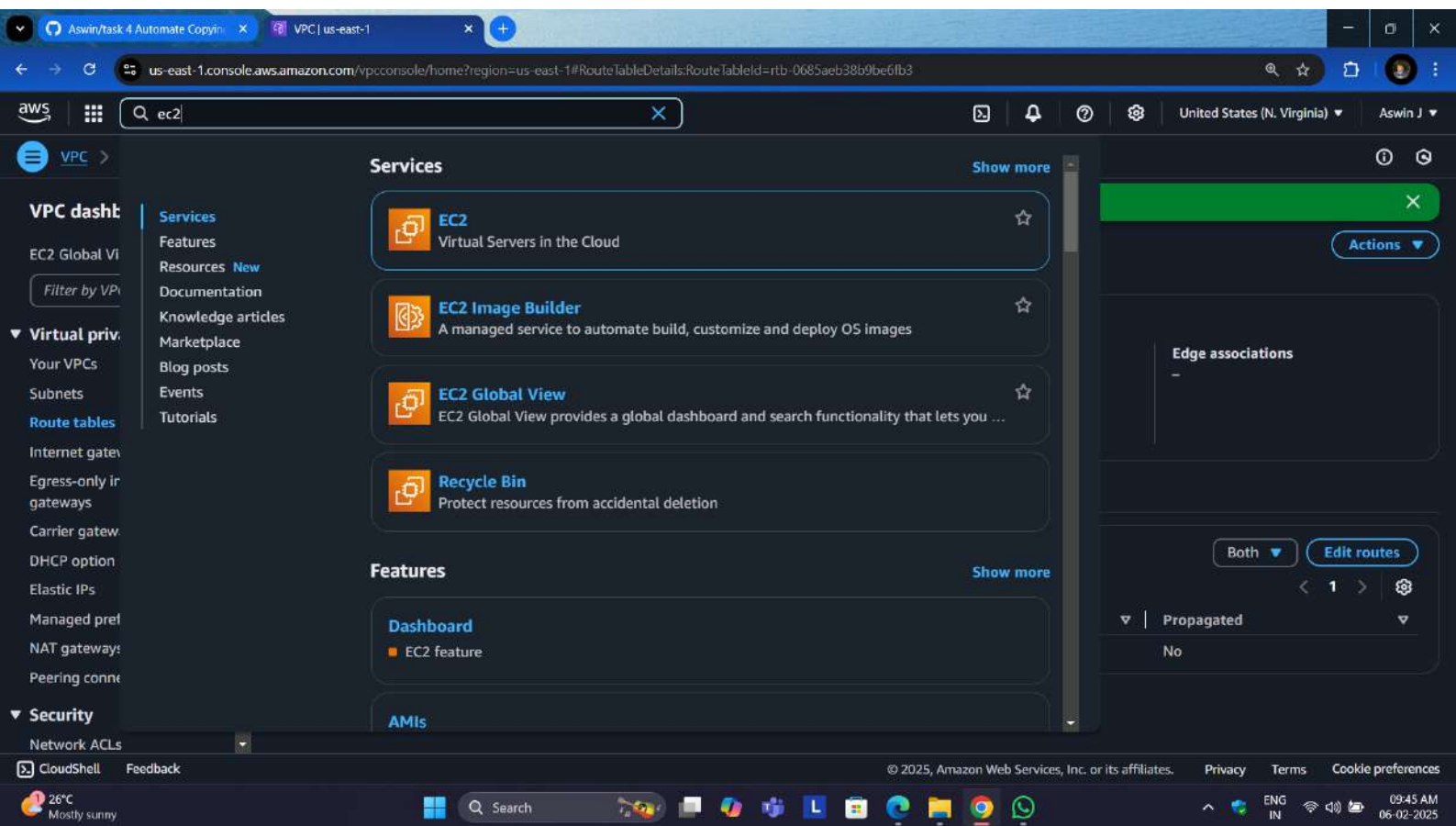
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Aswin/task 4 Automate CopyinLaunch an instance | EC2 | us-e

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

awsSearch[Alt+S]

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EC2 > Instances > Launch an instance

▼ Configure storageInfoAdvanced

1x8GiBgp3Root volume 3000 IOPS (Not encrypted)

Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

Click refresh to view backup information
The tags that you assign determine whether the instance will be backed up by any Data Lifecycle Manager policies.

0 x File systemsEdit

► Advanced detailsInfo

▼ Summary

Number of instancesInfo1

Software image (AMI)
Amazon Linux 2023 AMI 2023.6.2...read more
ami-085ad6ae776d8f09c

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

CancelLaunch instancePreview code

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Aswin/task 4 Automate CopyinLaunch an instance | EC2 | us-e

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

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United States (N. Virginia)Aswin J

EC2 > Instances > Launch an instance

the instance.

Key pair name - required

vpc1

Create new key pair

Network settings

VPC - required

vpc-07111e26b0eb6b1db172.31.0.0/16

(default)

Subnet

subnet-0e4ad2878b777ec5e

VPC: vpc-07111e26b0eb6b1db Owner: 183631322302

Availability Zone: us-east-1a Zone type: Availability Zone

IP addresses available: 4090 CIDR: 172.31.80.0/20

Create new subnet

Auto-assign public IP

Disable

Firewall (security groups)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.6.2...read more

ami-085ad6ae776d8f09c

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Cancel

Launch instance

Preview code

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

awsSearch [Alt+S]United States (N. Virginia)Aswin J

EC2 > Instances > Launch an instance

Launching instance
Creating security group rules33%

Details

Please wait while we launch your instance.
Do not close your browser while this is loading.

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Instances (3) [Info](#) Last updated less than a minute ago [Connect](#) [Instance state](#) [Actions](#) [Launch instances](#)

[All states](#)

<input type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input type="checkbox"/>	vpc&sub	i-0359c1aafe8a35087	Running	t2.micro	2/2 checks passed	View alarms	us-east-1a
<input type="checkbox"/>	vm	i-0d13111f9efa62d36	Terminated	t2.micro	–	View alarms	us-east-1a
<input type="checkbox"/>	vpc1	i-02d465c3ec16ea3da	Running	t2.micro	Initializing	View alarms	us-east-1a

Select instance: vpc1

Select an instance