

AWS TASK -2

1.Set up a VPC with an Internet gateway, create a public subnet with 256 IP addresses, a private subnet with 256 IP addresses, make a route table connecting the Internet gateway and the subnets, and launch a Linux EC2 instance by using the above VPC and public subnet.

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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-01

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

IPv4 CIDR
10.0.0.0/24
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

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

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	Q MyVPC	Remove tag

[Add tag](#)

You can add 49 more tags

[Cancel](#) [Preview code](#) [Create VPC](#)

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VPC

Your VPCs

vpc-0f6282cafa0ddc6e9

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

Route servers

You successfully created vpc-0f6282cafa0ddc6e9 / MyVPC

vpc-0f6282cafa0ddc6e9 / MyVPC

Actions

Details

Info

VPC ID

vpc-0f6282cafa0ddc6e9

DNS resolution

Enabled

Main network ACL

acl-022ea083bc8b01c34

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-09ad3197602c404f1

IPv4 CIDR

10.0.0.0/16

Route 53 Resolver DNS Firewall rule groups

-

DNS hostnames

Disabled

Main route table

rtb-0d9b814260d6504d5

IPv6 pool

-

Owner ID

175248682990

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource map

Info

VPC

Subnets (0)

Route tables (1)

Network

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VPC

Internet gateways

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

Route servers

Internet gateways (1)

Info

Actions

Create internet gateway

Find Internet gateways by attribute or tag

	Name	Internet gateway ID	State	VPC ID	Owner
<input type="checkbox"/>	-	igw-03691336c77e93dba	Attached	yqc-0da05abdf14a7e8	175248682990

Select an internet gateway above

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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.

No tags associated with the resource.

Add new tag

You can add 50 more tags.

Cancel

Create internet gateway

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VPC

Internet gateways

igw-07412da48088559a3

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

Route servers

The following internet gateway was created: igw-07412da48088559a3 - MyIGW. You can now attach to a VPC to enable the VPC to communicate with the internet.

Attach to a VPC

igw-07412da48088559a3 / MyIGW

Actions

Details

Internet gateway ID

igw-07412da48088559a3

State

Detached

VPC ID

-

Owner

175248682990

Tags

Search tags

Key

Value

Name

MyIGW

Manage tags

aws

Search

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VPC

Internet gateways

Attach to VPC (igw-07412da48088559a3)

The following internet gateway was created: igw-07412da48088559a3 - MyIGW. You can now attach to a VPC to enable the VPC to communicate with the internet.

Attach to a VPC

Attach to VPC (igw-07412da48088559a3)

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-0f6282cfa0ddc6e9

AWS Command Line Interface command

Cancel

Attach internet gateway

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VPC

Internet gateways

igw-07412da48088559a3

Internet gateway igw-07412da48088559a3 successfully attached to vpc-0f6282cfa0ddc6e9

Notifications

igw-07412da48088559a3 / MyIGW

Actions

Details

Internet gateway ID

igw-07412da48088559a3

State

Attached

VPC ID

vpc-0f6282cfa0ddc6e9 | MyVPC

Owner

175248682990

Tags

Search tags

Key

Value

Name

MyIGW

Manage tags

Subnet name

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

PublicSubnet

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.

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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

10.0.1.0/24

256 IPs

▼ Tags - optional

Key

Q Name

X

Value - optional

Q PublicSubnet

X

Remove

Add new tag

You can add 49 more tags.

Remove

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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

Route servers

New

▼ Security

You have successfully created 1 subnet: subnet-08316730f7d89a8a4

Subnets (1)

info

Q Find subnets by attribute or tag

Subnet ID : subnet-08316730f7d89a8a4

X

Clear filters

Last updated less than a minute ago

Actions

Create subnet

<input type="checkbox"/>	Name	Subnet ID	State	VPC	Block Public...	IPv4 CIDR
<input type="checkbox"/>	PublicSubnet	subnet-08316730f7d89a8a4	Available	vpc-0f6282cfa0ddc6e9 MyVPC	Off	10.0.1.0/24

Select a subnet

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Subnet 1 of 1

Subnet name

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

PrivateSubnet

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.

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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

▼ Tags - optional

Key

Q Name

X

Value - optional

Q PrivateSubnet

X

Remove

Add new tag

Search

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VPCSubnetssubnet-08316730f7d89a8a4Edit subnet settings

101010

Enable AWS to automatically assign a public IPv4 or IPv6 address to a new primary network interface for an instance in this subnet.

☒ Enable auto-assign public IPv4 address

☐ Enable auto-assign customer-owned IPv4 address

Option disabled because no customer owned pools found.

Resource-based name (RBN) settings

Specify the hostname type for EC2 instances in this subnet and optional RBN DNS query settings.

☐ Enable resource name DNS A record on launch

☐ Enable resource name DNS AAAA record on launch

Hostname type

☐ Resource name

☒ IP name

DNS64 settings

Enable DNS64 to allow IPv6-only services in Amazon VPC to communicate with IPv4-only services and networks.

☐ Enable DNS64

CancelSave

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VPCRoute tablesrtb-09033cfd1a2e25b78

101010

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

Route servers

Security

Route table rtb-09033cfd1a2e25b78 | PublicRouteTable was created successfully.

rtb-09033cfd1a2e25b78 / PublicRouteTable

Actions

Details

Route table ID

rtb-09033cfd1a2e25b78

VPC

vpc-0f6282cfa0ddc6e9 | MyVPC

Main

No

Owner ID

175248682990

Explicit subnet associations

Edge associations

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (1)

Filter routes

Both

Edit routes

1

Destination

Target

Status

Propagated

10.0.0/16

local

Active

No

Search

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VPCRoute tablesrtb-09033cfd1a2e25b78

101010

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

Route servers

Security

Updated routes for rtb-09033cfd1a2e25b78 / PublicRouteTable successfully

rtb-09033cfd1a2e25b78 / PublicRouteTable

Actions

Details

Route table ID

rtb-09033cfd1a2e25b78

VPC

vpc-0f6282cfa0ddc6e9 | MyVPC

Main

No

Owner ID

175248682990

Explicit subnet associations

Edge associations

Routes

Subnet associations

Edge associations

Route propagation

Tags

Routes (2)

Filter routes

Both

Edit routes

1

Destination

Target

Status

Propagated

0.0.0/0

igw-07412da48088559a3

Active

No

10.0.0/16

local

Active

No

VPC

Route tables

rtb-09033cfd1a2e25b78

Edit subnet associations

Edit subnet associations

Change which subnets are associated with this route table.

Available subnets (1/2)

Filter subnet associations

	Name	Subnet ID	IPv4 CIDR	IPv6 CIDR	Route table ID
<input checked="" type="checkbox"/>	PublicSubnet	subnet-08316730f7d89a8a4	10.0.1.0/24	-	Main (rtb-0d9b814260d6504d5)
<input type="checkbox"/>	PrivateSubnet	subnet-0884b9585a8ca5b55	10.0.2.0/24	-	Main (rtb-0d9b814260d6504d5)

Selected subnets

subnet-08316730f7d89a8a4 / PublicSubnet

Cancel

Save associations

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Search results

Launching Instance

Creating security group rules

33%

Details

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

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