Name: B.Madhuri

Email: madhuri.bairi55@Gmail.com

Mobile no: 7382001591
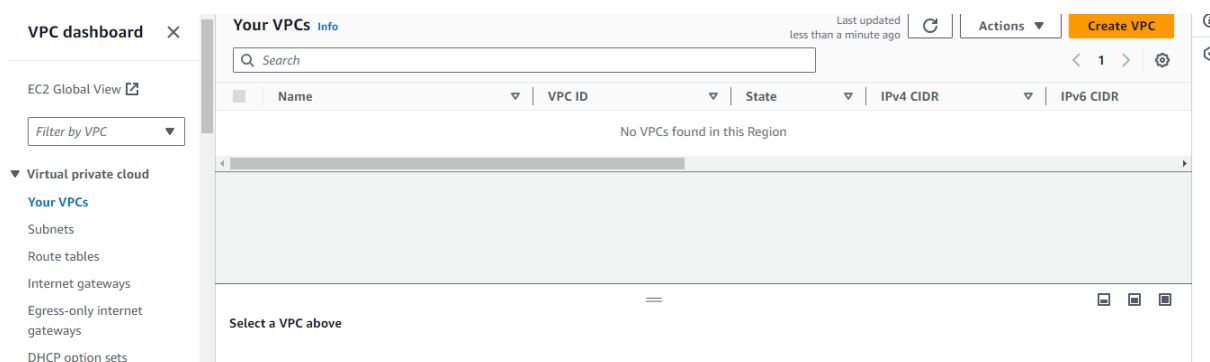
Traineer: Madhukar

VPC(Virtual Private Cloud)

Peering Connection

Create Virtual Private Network :

1.Login to your AWS Account & search for vpc in the search box.

2.Click on create vpc & select vpc more.

3. Create vpc in Mumbai region

4. Follow the steps mentioned in the below snapshots.

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 auto-generation Info
Enter a value for the Name tag. This value will be used to auto-generate Name tags for all resources in the VPC.

☑ Auto-generate

> my-test1

IPv4 CIDR block Info
Determine the starting IP and the size of your VPC using CIDR notation.

| 20.0.0.0/16 | 65,536 IPs |

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

IPv6 CIDR block Info
⦿ No IPv6 CIDR block
◯ Amazon-provided IPv6 CIDR block

Preview

VPC Show details
Your AWS virtual network

> my-test1-vpc

Subnets (4)
Subnets within this VPC

ap-south-1a

Ⓐ my-test1-subnet-public1-ap-south-

Ⓐ my-test1-subnet-private1-ap-south-

ap-south-1b

Ⓑ my-test1-subnet-public2-ap-south-

Ⓑ my-test1-subnet-private2-ap-south-

Tenancy Info

| Default   ▼ |

Number of Availability Zones (AZs) Info
Choose the number of AZs in which to provision subnets. We recommend at least two AZs for high availability.

| 1 | **2** | 3 |

▶ Customize AZs

Number of public subnets Info
The number of public subnets to add to your VPC. Use public subnets for web applications that need to be publicly accessible over the internet.

| 0 | **2** |

Number of private subnets Info
The number of private subnets to add to your VPC. Use private subnets to secure backend resources that don't need public access.

| 0 | **2** | 4 |

▶ Customize subnets CIDR blocks

▶ Customize subnets CIDR blocks

NAT gateways ($) Info
Choose the number of Availability Zones (AZs) in which to create NAT gateways. Note that there is a charge for each NAT gateway

| None | **In 1 AZ** | 1 per AZ |

VPC endpoints Info
Endpoints can help reduce NAT gateway charges and improve security by accessing S3 directly from the VPC. By default, full access policy is used. You can customize this policy at any time.

| **None** | S3 Gateway |

DNS options Info
☑ Enable DNS hostnames
☑ Enable DNS resolution

▶ Additional tags

Cancel   **Create VPC**

Create subnet: subnet-084955776ef3ff9e8
Create subnet: subnet-076bda96b9b7019a5
Create subnet: subnet-0249a4065ab2d473d
Create subnet: subnet-03523bef90829935e
Create internet gateway: igw-043faea8d7932c9f5
Attach internet gateway to the VPC
Create route table: rtb-0450a4f7711aacdd3
Create route
Associate route table
Associate route table
Allocate elastic IP: eipalloc-0ae7c8010beca8ebd
Create NAT gateway: nat-0832507da6b1c2f21
Wait for NAT Gateways to activate
Create route table: rtb-0eb2f8522de4eb6a4
Create route
Associate route table
Create route table: rtb-015b6d927d633c6e0
Create route
Associate route table
Verifying route table creation

View VPC

5. Some subnets& Route tables & Igw sanpshots are mentioned below.

Subnets (4) Info   Last updated less than a minute ago   Actions ▼   **Create subnet**

Q Find resources by attribute or tag

	Name	Subnet ID	State	VPC	IPv4 CIDR
☐	my-test1-subnet-private1-ap-south-1a	subnet-0249a4065ab2d473d	⊘ Available	vpc-0ee3cfef1969d9674 | my-t...	20.0.128.0
☐	my-test1-subnet-public2-ap-south-1b	subnet-076bda96b9b7019a5	⊘ Available	vpc-0ee3cfef1969d9674 | my-t...	20.0.16.0/
☐	my-test1-subnet-public1-ap-south-1a	subnet-084955776ef3ff9e8	⊘ Available	vpc-0ee3cfef1969d9674 | my-t...	20.0.0.0/2
☐	my-test1-subnet-private2-ap-south-1b	subnet-03523bef90829935e	⊘ Available	vpc-0ee3cfef1969d9674 | my-t...	20.0.144.0

Select a subnet

Route tables (4) Info   Last updated 1 minute ago   Actions ▼   **Create route table**

Q Find resources by attribute or tag

	Name	Route table ID	Explicit subnet associ...	Edge associations	Main	VP
☐	–	rtb-018ef4250527be15b	–	–	Yes	vp
☐	my-test1-rtb-private1-ap-south-1a	rtb-0eb2f8522de4eb6a4	subnet-0249a4065ab2d4...	–	No	vp
☐	my-test1-rtb-private2-ap-south-1b	rtb-015b6d927d633c6e0	subnet-03523bef908299...	–	No	vp
☐	my-test1-rtb-public	rtb-0450a4f7711aacdd3	2 subnets	–	No	vp

Select a route table

Internet gateways (1) Info   Actions ▼   **Create internet gateway**

Q Search

	Name	Internet gateway ID	State	VPC ID	
☐	my-test1-igw	igw-043faea8d7932c9f5	⊘ Attached	vpc-0ee3cfef1969d9674 | my-test1-vpc	

Create EC2 Instance :

1.Create EC2 instance for vpc.

2.Go to instance-Lanch instance-Name-create key pair-network-vpc & subnet-public ip-select security group- add inbound security rules-Lanch instance.

3.Some EC2 screenshoots are attached below.

Amazon Linux	macOS	Ubuntu	Windows	Red Hat	SUSE Li
aws	Mac	ubuntu®	Microsoft	RedHat	SUS

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI   Free tier eligible
ami-02b49a24cfb95941c (64-bit (x86), uefi-preferred) / ami-04ad8c7fcc828fad4 (64-bit (Arm), uefi)
Virtualization: hvm   ENA enabled: true   Root device type: ebs

Description

Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Architecture   **Boot mode**   **AMI ID**

64-bit (x86)   uefi-preferred   ami-02b49a24cfb95941c   Verified provider

---

▼ Summary

Number of instances   Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-02b49a24cfb95941c

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel   **Launch instance**

Review commands

▼ Instance type Info | Get advice

Instance type

t2.micro   Free tier eligible
Family: t2   1 vCPU   1 GiB Memory   Current generation: true
On-Demand Linux base pricing: 0.0124 USD per Hour
On-Demand Windows base pricing: 0.017 USD per Hour
On-Demand RHEL base pricing: 0.0268 USD per Hour
On-Demand SUSE base pricing: 0.0124 USD per Hour

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

my-key   Create new key pair

▼ Network settings

▼ Summary

Number of instances   Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-02b49a24cfb95941c

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel   **Launch instance**

Review commands

▼ Network settings Info

VPC - *required* Info

vpc-0ee3cfef1969d9674 (my-test1-vpc)
20.0.0.0/16

Subnet Info

subnet-084955776ef3ff9e8   my-test1-subnet-public1-ap-south-1a
VPC: vpc-0ee3cfef1969d9674   Owner: 024848453578
Availability Zone: ap-south-1a   Zone type: Availability Zone
IP addresses available: 4090   CIDR: 20.0.0.0/20

C Create new subnet ↗

Auto-assign public IP Info

Enable

Additional charges apply when outside of free tier allowance

Firewall (security groups) Info

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

Security group name - *required*

▼ Summary

Number of instances Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-02b49a24cfb95941c

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel   **Launch instance**

Review commands

Security group name - *required*

mywebsg

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*

Description - *required* Info

launch-wizard-1 created 2024-09-01T05:32:16.953Z

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)   Remove

Type Info   Protocol Info   Port range Info

ssh   TCP   22

Source type Info   Source Info   Description - *optional* Info

Anywhere   🔍 Add CIDR, prefix list or security   e.g. SSH for admin desktop

                         0.0.0.0/0 ✕

▼ Security group rule 2 (TCP, 80, 0.0.0.0/0)   Remove

Type Info   Protocol Info   Port range Info

▼ Summary

Number of instances Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-02b49a24cfb95941c

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel   **Launch instance**

Type Info   Protocol Info   Port range Info

Custom TCP   TCP   80

Source type Info   Source Info   Description - *optional* Info

Custom   🔍 Add CIDR, prefix list or security   e.g. SSH for admin desktop

                         0.0.0.0/0 ✕

⚠ 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.   ✕

Add security group rule

▶ Advanced network configuration

▼ Configure storage Info   Advanced

1x [8] GiB [gp3 ▼] Root volume (Not encrypted)

▼ Summary

Number of instances Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-02b49a24cfb95941c

Virtual server type (instance type)
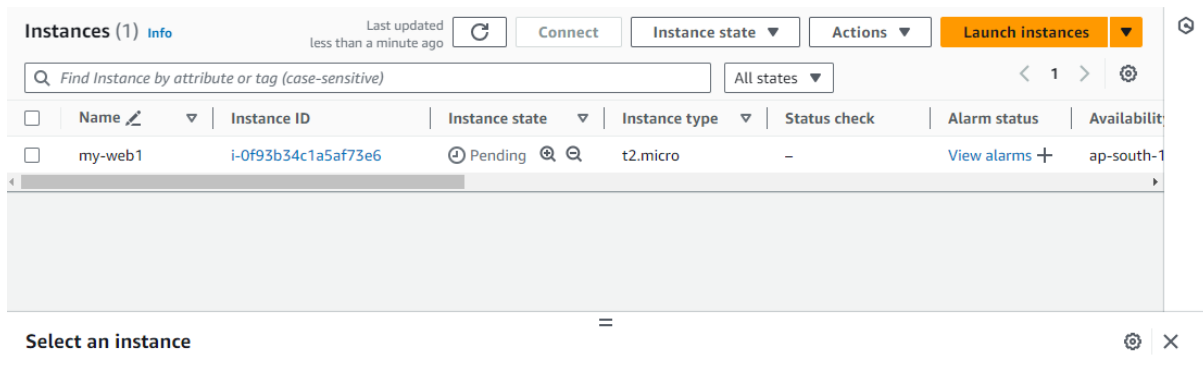t2.micro

Firewall (security group)
New security group

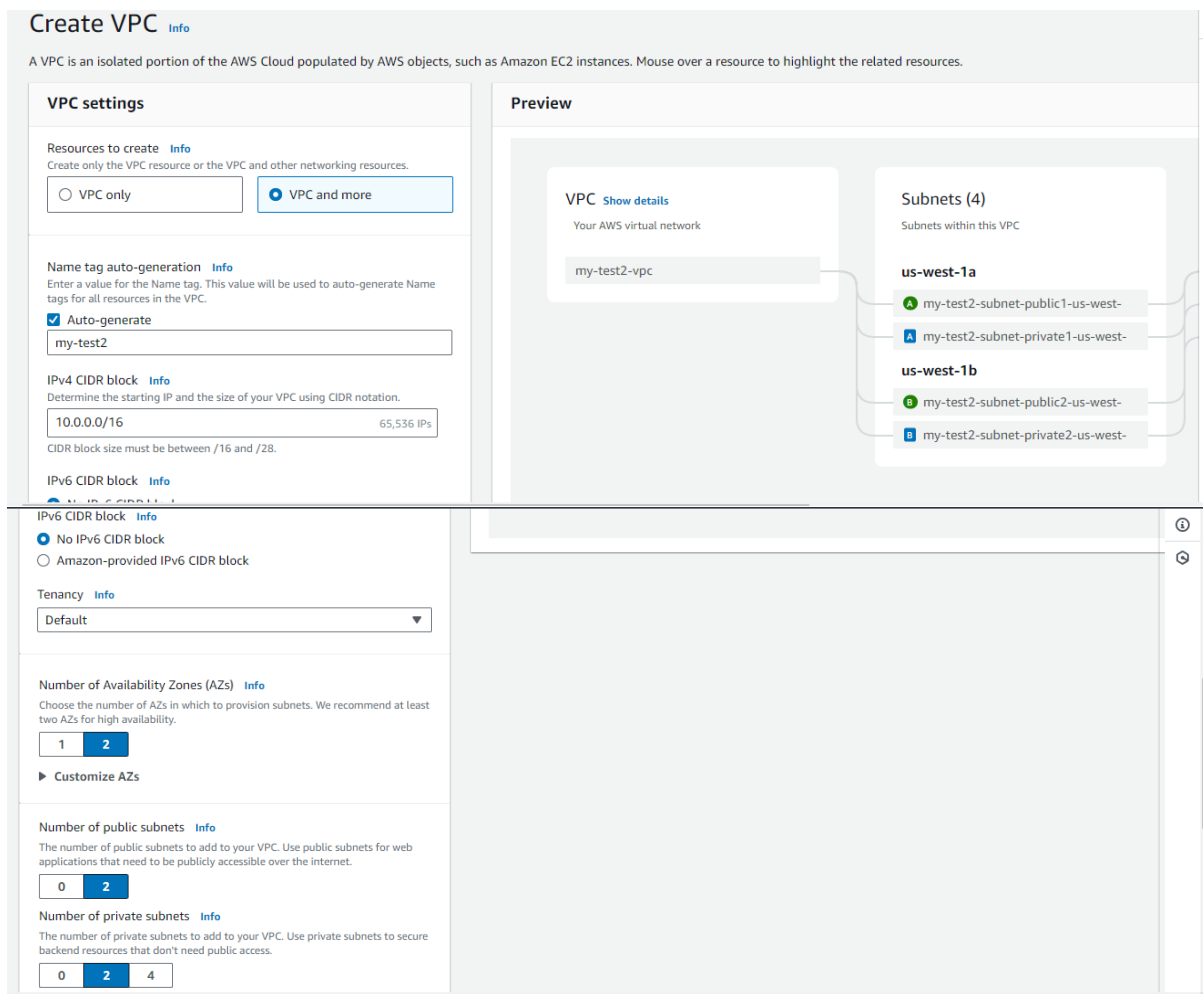Storage (volumes)
1 volume(s) - 8 GiB

Cancel   **Launch instance**

Review commands

Create Virtual Private Network :

1.Log in your Aws Account & search for VPC in the search box.

2.Click on Create VPC & select VPC more.

3.Create VPC in N.California region.

4.Follow the steps mentioned in the below snapshots.

⊘ Create subnet: subnet-04039079f25ffa2d5 ↗
⊘ Create subnet: subnet-00a2607e51abe9e74 ↗
⊘ Create subnet: subnet-02b1cedb29a6cf9a8 ↗
⊘ Create subnet: subnet-03d5d79077abad1b1 ↗
⊘ Create internet gateway: igw-0b259c8f8b2b5e304 ↗
⊘ Attach internet gateway to the VPC
⊘ Create route table: rtb-0246ec9a9ce4d7631 ↗
⊘ Create route
⊘ Associate route table
⊘ Associate route table
⊘ Allocate elastic IP: eipalloc-001556f8c9e3eef57 ↗
⊘ Create NAT gateway: nat-0de8132670ba61781 ↗
⊘ Wait for NAT Gateways to activate
⊘ Create route table: rtb-089c13ad19cd4b52b ↗
⊘ Create route
⊘ Associate route table
⊘ Create route table: rtb-0eec7cb98ef74d492 ↗
⊘ Create route
⊘ Associate route table
⊘ Verifying route table creation

View VPC

Your VPCs (1) Info			Last updated 1 minute ago ⟳	Actions ▼	**Create VPC**	ⓘ
Q Search					‹ 1 › ⚙	
☐	Name ▽	VPC ID ▽	State ▽	IPv4 CIDR ▽	IPv6 CIDR	
☐	my-test2-vpc	vpc-042f94e1e228be8bc	⊘ Available	10.0.0.0/16	–	

4. Some subnets& Route tables & Igw sanpshots are mentioned below.

Subnets (4) Info			Last updated less than a minute ago ⟳	Actions ▼	**Create subnet**	ⓘ
Q Find resources by attribute or tag					‹ 1 › ⚙	
☐	Name ▽	Subnet ID ▽	State ▽	VPC ▽	IPv4 CIDR	
☐	my-test2-subnet-public2-us-west-1b	subnet-00a2607e51abe9e74	⊘ Available	vpc-042f94e1e228be8bc	my-t...	10.0.16.0/	
☐	my-test2-subnet-private2-us-west-1b	subnet-03d5d79077abad1b1	⊘ Available	vpc-042f94e1e228be8bc	my-t...	10.0.144.0	
☐	my-test2-subnet-public1-us-west-1a	subnet-04039079f25ffa2d5	⊘ Available	vpc-042f94e1e228be8bc	my-t...	10.0.0.0/2	
☐	my-test2-subnet-private1-us-west-1a	subnet-02b1cedb29a6cf9a8	⊘ Available	vpc-042f94e1e228be8bc	my-t...	10.0.128.0	

Route tables (4) Info

Last updated 2 minutes ago

Actions ▼   **Create route table**

	Name	Route table ID	Explicit subnet associ... ▽	Edge associations ▽	Main ▽	VP
☐	my-test2-rtb-private2-us-west-1b	rtb-0eec7cb98ef74d492	subnet-03d5d79077abad...	–	No	vp
☐	my-test2-rtb-public	rtb-0246ec9a9ce4d7631	2 subnets	–	No	vp
☐	–	rtb-06d874249954e47f6	–	–	Yes	vp
☐	my-test2-rtb-private1-us-west-1a	rtb-089c13ad19cd4b52b	subnet-02b1cedb29a6cf9...	–	No	vp

Internet gateways (1) Info

Actions ▼   **Create internet gateway**

	Name	Internet gateway ID	State ▽	VPC ID
☐	my-test2-igw	igw-0b259c8f8b2b5e304	⊘ Attached	vpc-042f94e1e228be8bc | my-test2-vpc

NAT gateways (1) Info

Actions ▼   **Create NAT gateway**

	Name	NAT gateway ID	Connectivity... ▽	State ▽	State message ▽	Primary public I...
○	my-test2-nat-public...	nat-0de8132670ba61781	Public	⊘ Available	–	54.219.6.70

Create EC2 Instance :

1.Create EC2 instance for vpc.

2.Go to instance-Lanch instance-Name-create key pair-network-vpc & subnet-public ip-select security group- add inbound security rules-Lanch instance.

3.Some EC2 screenshoots are attached bel

Instances Info

Last updated
less than a minute ago

Connect | Instance state ▼ | Actions ▼ | **Launch instances** | ▼

Q Find Instance by attribute or tag (case-sensitive)

All states ▼

Instance state = running ✕ | Clear filters

< 1 >

	Name ✎	▽	Instance ID	Instance state	▽	Instance type	▽	Status check	Alarm status	Availabilit

No matching instances found

═══

Select an instance ⚙ ✕

Launch an instance Info

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 Info

Name

my-web2 | Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

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

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

Quick Start

▼ Summary

Number of instances | Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-04fdea8e25817cd69

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel | **Launch instance**

Review commands

Amazon Linux	Ubuntu	Windows	Red Hat	SUSE Linux	Debia
aws	ubuntu	Microsoft	Red Hat	SUSE	debia

Browse more AMIs
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI   Free tier eligible
ami-04fdea8e25817cd69 (64-bit (x86), uefi-preferred) / ami-0ca3c47f559a03429 (64-bit (Arm), uefi)
Virtualization: hvm   ENA enabled: true   Root device type: ebs

Description
Amazon Linux 2023 is a modern, general purpose Linux-based OS that comes with 5 years of long term support. It is optimized for AWS and designed to provide a secure, stable and high-performance execution environment to develop and run your cloud applications.

Architecture   Boot mode   AMI ID
64-bit (x86) ▼   uefi-preferred   ami-04fdea8e25817cd69   Verified provider

▼ Summary

Number of instances | Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-04fdea8e25817cd69

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel | **Launch instance**

Review commands

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - *required*

my-key1	▼

🔄 Create new key pair

▼ Network settings Info

VPC - *required* Info

vpc-042f94e1e228be8bc (my-test2-vpc) 10.0.0.0/16	▼

🔄

Subnet Info

subnet-00a2607e51abe9e74 my-test2-subnet-public2-us-west-1b VPC: vpc-042f94e1e228be8bc Owner: 024848453578 Availability Zone: us-west-1b Zone type: Availability Zone IP addresses available: 4091 CIDR: 10.0.16.0/20	▼

🔄 Create new subnet ↗

Auto-assign public IP Info

CIDR block

▼ Summary

Number of instances   Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-04fdea8e25817cd69

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel	**Launch instance**

Enable	▼

Additional charges apply when outside of free tier allowance

Firewall (security groups) Info
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

Security group name - *required*

mywebsg1

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and .-:/()#,@[]+=&;{}!$*

Description - *required* Info

launch-wizard-1 created 2024-09-01T06:01:03.406Z

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)   [Remove]

Type Info	Protocol Info	Port range Info
ssh ▼	TCP	22

Source type Info   Source Info   Description - *optional* Info

▼ Summary

Number of instances   Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-04fdea8e25817cd69

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel	**Launch instance**

0.0.0.0/0 ✕

▼ Security group rule 2 (TCP, 80, 0.0.0.0/0)   [Remove]

Type Info	Protocol Info	Port range Info
Custom TCP ▼	TCP	80

Source type Info	Source Info	Description - *optional* Info
Custom ▼	🔍 Add CIDR, prefix list or security	e.g. SSH for admin desktop

0.0.0.0/0 ✕

⚠ 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.   ✕

[Add security group rule]

▶ Advanced network configuration

▼ Configure storage Info   Advanced

▼ Summary

Number of instances   Info

1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.5.2...read more
ami-04fdea8e25817cd69

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

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

Cancel	**Launch instance**

Review commands

Peering Connection :

1.Go to peering Connection and select "Create peering connection".

2.create name-local vpc to peer with-select another vpc peering with-create peering connection.

3.Some screenshots are attached below.

Select another VPC to peer with

Account

◉ My account
○ Another account

Region

○ This Region (us-west-1)
◉ Another Region

Asia Pacific (Mumbai) (ap-south-1) ▼

VPC ID (Accepter)

vpc-0ee3cfef1969d9674

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 ✕	🔍 my-california-mumbai-peering ✕	Remove

Add new tag

ⓧ **A VPC peering connection pcx-0e69a9a95b7f18b13 / my-california-mumbai-peering has been requested.** ✕ ⓘ
Remember to change your region to **ap-south-1** to accept the peering connection. ⊗

VPC > Peering connections > pcx-0e69a9a95b7f18b13

pcx-0e69a9a95b7f18b13 / my-california-mumbai-peering

Actions ▼

Details Info

Requester owner ID	Accepter owner ID	VPC Peering connection ARN
📋 024848453578	📋 024848453578	📋 arn:aws:ec2:us-west-1:024848453578:vpc-peering-connection/pcx-0e69a9a95b7f18b13
Peering connection ID	Requester VPC	Accepter VPC
📋 pcx-0e69a9a95b7f18b13	vpc-042f94e1e228be8bc / my-test2-vpc	📋 vpc-0ee3cfef1969d9674
Status	Requester CIDRs	Accepter CIDRs
☺ Initiating Request to 024848453578	📋 10.0.0.0/16	–
Expiration time	Requester Region	Accepter Region
Sunday, September 8, 2024 at 11:56:07 GMT+5:30	N. California (us-west-1)	Mumbai (ap-south-1)

DNS | Route tables | Tags

pcx-0e69a9a95b7f18b13

Actions ▲

Accept request

Reject request

Edit DNS settings

Manage tags

Delete peering connection

Pending acceptance
You can accept or reject this peering connection request using the 'Actions' menu. You have until Sunday, September
GMT+5:30 to accept or reject the request, otherwise it expires.

Details Info

Requester owner ID
024848453578

Peering connection ID
pcx-0e69a9a95b7f18b13

Status
⏱ Pending Acceptance by 024848453578

Expiration time
Sunday, September 8, 2024 at 11:56:07
GMT+5:30

Accepter owner ID
024848453578

Requester VPC
vpc-042f94e1e228be8bc

Requester CIDRs
10.0.0.0/16

Requester Region
N. California (us-west-1)

VPC Peering connection ARN
arn:aws:ec2:ap-south-
1:024848453578:vpc-peering-connection/pcx-
0e69a9a95b7f18b13

Accepter VPC
vpc-0ee3cfef1969d9674 / my-test1-vpc

Accepter CIDRs
–

Accepter Region
Mumbai (ap-south-1)

Accept VPC peering connection request Info   ✕

Are you sure you want to accept this VPC peering connection request? (pcx-0e69a9a95b7f18b13)

Requester VPC
vpc-042f94e1e228be8bc

Accepter CIDRs
–

Requester owner ID
024848453578
(This account)

Accepter VPC
vpc-0ee3cfef1969d9674 / my-test1-
vpc

Requester Region
N. California (us-west-1)

Accepter owner ID
024848453578
(This account)

Requester CIDRs
10.0.0.0/16

Accepter Region
Mumbai (ap-south-1)

Cancel   Accept request

VPC > Peering connections > pcx-0e69a9a95b7f18b13

pcx-0e69a9a95b7f18b13

Actions ▼

Details Info

Requester owner ID	**Accepter owner ID**	**VPC Peering connection ARN**
⎘ 024848453578	⎘ 024848453578	⎘ arn:aws:ec2:ap-south-1:024848453578:vpc-peering-connection/pcx-0e69a9a95b7f18b13
Peering connection ID	**Requester VPC**	
⎘ pcx-0e69a9a95b7f18b13	⎘ vpc-042f94e1e228be8bc	**Accepter VPC**
Status	**Requester CIDRs**	vpc-0ee3cfef1969d9674 / my-test1-vpc
⊙ Provisioning	⎘ 10.0.0.0/16	**Accepter CIDRs**
Expiration time	**Requester Region**	⎘ 20.0.0.0/16
–	N. California (us-west-1)	**Accepter Region**
		Mumbai (ap-south-1)

4.After accept the Peering Connection To modify the route tables.

VPC > Route tables > rtb-0450a4f7711aacdd3 > Edit routes

Edit routes

Destination	Target	Status	Propagated	
20.0.0.0/16	local ▼	⊘ Active	No	
	🔍 local ✕			
🔍 0.0.0.0/0 ✕	Internet Gateway ▼	⊘ Active	No	Remove
	🔍 igw-043faea8d7932c9f5 ✕			
🔍 10.0.0.0/16 ✕	Peering Connection ▼	–	No	Remove
	🔍 pcx-0e69a9a95b7f18b13 ✕			

Add route

Cancel   Preview   **Save changes**

VPC > Route tables > rtb-0450a4f7711aacdd3

rtb-0450a4f7711aacdd3 / my-test1-rtb-public

Actions ▼

Details Info

Route table ID	**Main**	**Explicit subnet associations**	**Edge associations**
⎘ rtb-0450a4f7711aacdd3	⎘ No	2 subnets	–
VPC	**Owner ID**		
vpc-0ee3cfef1969d9674 | my-test1-vpc	⎘ 024848453578		

Routes | Subnet associations | Edge associations | Route propagation | Tags

Edit routes

Destination	Target	Status	Propagated	
10.0.0.0/16	local ▼	⊘ Active	No	
	🔍 local ✕			
🔍 0.0.0.0/0 ✕	Internet Gateway ▼	⊘ Active	No	Remove
	🔍 igw-0b259c8f8b2b5e304 ✕			
🔍 20.0.0.0/16 ✕	Peering Connection ▼	–	No	Remove
	🔍 pcx-0e69a9a95b7f18b13 ✕			

Use: "pcx-0e69a9a95b7f18b13"

pcx-0e69a9a95b7f18b13 (my-california-mumbai-peering)

Add route

Cancel | Preview | Save changes

⊘ **Updated routes for rtb-0246ec9a9ce4d7631 / my-test2-rtb-public successfully** ✕
▶ Details

VPC > Route tables > rtb-0246ec9a9ce4d7631

rtb-0246ec9a9ce4d7631 / my-test2-rtb-public

Actions ▼

Details Info

Route table ID	Main	Explicit subnet associations	Edge associations
🗐 rtb-0246ec9a9ce4d7631	🗐 No	2 subnets	–
VPC	**Owner ID**		
vpc-042f94e1e228be8bc | my-test2-vpc	🗐 024848453578		

Routes | Subnet associations | Edge associations | Route propagation | Tags

---

5.After creating 2 EC2 instances & copy the SSH.

6.Past it in the Git bash and connect.

EC2 > Instances > i-001a6e99cf761fce9 > Connect to instance

Connect to instance Info

Connect to your instance i-001a6e99cf761fce9 (my-web2) using any of these options

EC2 Instance Connect | Session Manager | **SSH client** | EC2 serial console

Instance ID
🗐 i-001a6e99cf761fce9 (my-web2)

1. Open an SSH client.

2. Locate your private key file. The key used to launch this instance is my-key1.pem

3. Run this command, if necessary, to ensure your key is not publicly viewable.
🗐 chmod 400 "my-key1.pem"

4. Connect to your instance using its Public DNS:
🗐 ec2-13-56-78-82.us-west-1.compute.amazonaws.com

⊘ Command copied

🗐 ssh -i "my-key1.pem" ec2-user@ec2-13-56-78-82.us-west-1.compute.amazonaws.com

ⓘ **Note:** In most cases, the guessed username is correct. However, read your AMI usage instructions to check if

OUTPUT :


```
anish@aviani MINGW64 ~/Desktop
$ ssh -i "my-key1.pem" ec2-user@ec2-13-56-78-82.us-west-1.compute.amazonaws.com
        #_
   ~\_  ####_           Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___      https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~        /
     ~~._.   _/
        _/ _/
       _/m/'
Last login: Sun Sep  1 07:30:42 2024 from 152.58.197.157
[ec2-user@ip-10-0-28-157 ~]$ sudo -i
[root@ip-10-0-28-157 ~]# yum update -y
Last metadata expiration check: 1:25:11 ago on Sun Sep  1 06:06:48 2024.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-10-0-28-157 ~]# yum install nginx -y
Last metadata expiration check: 1:25:33 ago on Sun Sep  1 06:06:48 2024.
Package nginx-1:1.24.0-1.amzn2023.0.2.x86_64 is already installed.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-10-0-28-157 ~]# systemctl start nginx
[root@ip-10-0-28-157 ~]# cd /usr/share/nginx/html
[root@ip-10-0-28-157 html]# ls
404.html  50x.html  icons  index.html  nginx-logo.png  poweredby.png
[root@ip-10-0-28-157 html]# rm index.html
```


← → C ⚠ Not secure 13.56.78.82
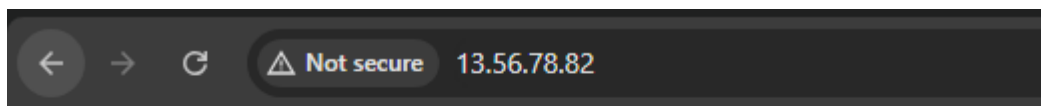
this nginx webserver from my-test1 vpc
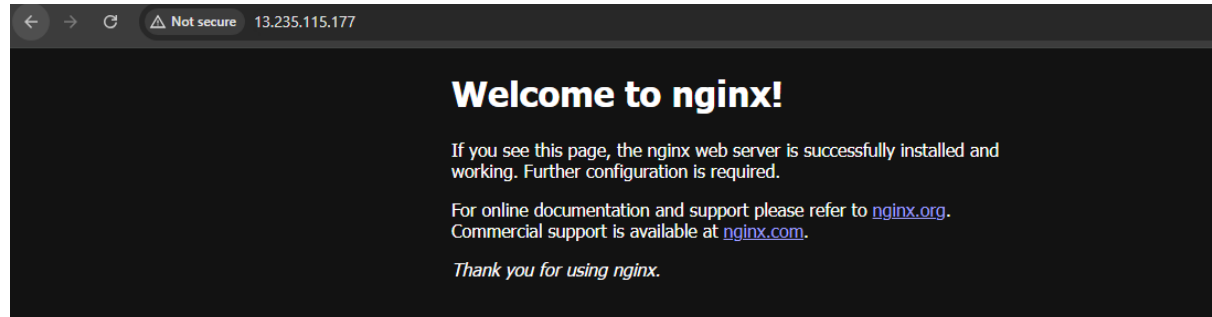


```
anish@aviani MINGW64 ~/Desktop
$ ssh -i "my-key.pem" ec2-user@ec2-13-235-115-177.ap-south-1.compute.amazonaws.com
       #_
   ~\_  ####_           Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___      https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~        /
     ~~._.   _/
        _/ _/
       _/m/'
Last login: Sun Sep  1 07:39:48 2024 from 152.58.197.157
[ec2-user@ip-20-0-6-238 ~]$ sudo -i
[root@ip-20-0-6-238 ~]# yum update -y
Last metadata expiration check: 2:00:13 ago on Sun Sep  1 05:40:50 2024.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-20-0-6-238 ~]# yum install nginx -y
Last metadata expiration check: 2:00:28 ago on Sun Sep  1 05:40:50 2024.
Dependencies resolved.
================================================================================
 Package                      Architecture        Version
================================================================================
Installing:
```

```
Complete!
[root@ip-20-0-6-238 ~]# systemctl start nginx
[root@ip-20-0-6-238 ~]#
```

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.

```
[root@ip-20-0-6-238 ~]# cd /usr/share/nginx/html
[root@ip-20-0-6-238 html]# ls
404.html  50x.html  icons  index.html  nginx-logo.png  poweredby.png
[root@ip-20-0-6-238 html]# rm index.html
rm: remove regular file 'index.html'? yes
[root@ip-20-0-6-238 html]# vi index.html
[root@ip-20-0-6-238 html]# systemctl start nginx
[root@ip-20-0-6-238 html]#
```

this apache2 webserver from my-tes2 vpc

```
[root@ip-10-0-28-157 html]# curl 20.0.6.238:80
this apache2 webserver from my-tes2 vpc
[root@ip-10-0-28-157 html]#
```

```
[root@ip-20-0-6-238 ~]# cd /usr/share/nginx/html
[root@ip-20-0-6-238 html]# ls
404.html  50x.html  icons  index.html  nginx-logo.png  poweredby.png
[root@ip-20-0-6-238 html]# rm index.html
rm: remove regular file 'index.html'? yes
[root@ip-20-0-6-238 html]# vi index.html
[root@ip-20-0-6-238 html]# systemctl start nginx
[root@ip-20-0-6-238 html]# curl 20.0.6.238:80
this apache2 webserver from my-tes2 vpc
[root@ip-20-0-6-238 html]#
```

```
[root@ip-20-0-6-238 html]# curl 10.0.28.157:80
this nginx webserver from my-test1 vpc
[root@ip-20-0-6-238 html]# 
```