

1)

Creating security group

Create security group [info](#)

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the fields below.

Basic details

Security group name [info](#)
Ec2_Wizard
Name cannot be edited after creation.

Description [info](#)
Allows SSH access to developers

VPC [info](#)
vpc-09f78dc6a5656bdf

Inbound rules [info](#)

Type	Protocol	Port range	Source	Description - optional	
SSH	TCP	22	Anywhere-IPv4	0.0.0.0/0	Delete
HTTP	TCP	80	Anywhere-IPv4	0.0.0.0/0	Delete
HTTPS	TCP	443	Anywhere-IPv4	0.0.0.0/0	Delete

[Add rule](#)

Outbound rules [info](#)

Type	Protocol	Port range	Destination	Description - optional	
All traffic	All	All	Anywhere-IPv4	0.0.0.0/0	Delete

[Add rule](#)

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 up to 50 more tags.

[Cancel](#) [Create security group](#)

Inbound rules

You can choose to add inbound and outbound rules at the time of creation, or you can add them at any time after you have created the security group. To add a security group rule, you must specify:

- The protocol to allow
- The range of ports to allow
- The traffic source to allow for inbound rules, or the traffic destination to allow for outbound rules
- An optional description

[Learn more](#)

[Create a security group](#)
[Security group rules](#)

Security group (sg-0124ab325ad779e94 | Ec2_Wizard) was created successfully

Details

EC2 > Security Groups > sg-0124ab325ad779e94 - Ec2_Wizard

sg-0124ab325ad779e94 - Ec2_Wizard

Actions

Details

Security group name Ec2_Wizard	Security group ID sg-0124ab325ad779e94	Description Allowing SSH, HTTP, HTTPS traffic to all	VPC ID vpc-0f978c8c6a4569c6f
Owner 462972487428	Inbound rules count 3 Permission entries	Outbound rules count 1 Permission entry	

Inbound rules Outbound rules Tags

Inbound rules (3/3)

Search

	Name	Security group rule...	IP version	Type	Protocol	Port range	Source	
<input checked="" type="checkbox"/>	-	sgr-0e1ef02e619987cb0	IPv4	HTTPS	TCP	443	0.0.0.0/0	-
<input checked="" type="checkbox"/>	-	sgr-0ced5e275a65a0483	IPv4	HTTP	TCP	80	0.0.0.0/0	-
<input checked="" type="checkbox"/>	-	sgr-05f6eaa694edb7b78	IPv4	SSH	TCP	22	0.0.0.0/0	-

Allocating elastic IP Address

Elastic IP address allocated successfully.
Elastic IP address 44.217.203.162

Associate this Elastic IP address

Elastic IP addresses (1/1)

Filter Elastic IP addresses

Public IPv4 address: 44.217.203.162 Clear filters

	Name	Allocated IPv4 add...	Type	Allocation ID	Reverse DNS record	Associated instance ID	Private IP add
<input checked="" type="checkbox"/>	-	44.217.203.162	Public IP	eipalloc-07bbe09a716241a8f	-	-	-

View IP address usage and recommendations to release unused IPs with Public IP insights

44.217.203.162

Summary Tags

Summary

Allocated IPv4 address	Type	Allocation ID	Reverse DNS record
------------------------	------	---------------	--------------------

Creating Instance

EC2 > Instances > Launch an instance

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

Ec2_basi

Add additional tags

Application and OS Images (Amazon Machine Image)

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

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE LI

Browse more AMIs

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

Cancel

Launch instance

Review commands

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE LI

Browse more AMIs

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-0e731c8a588258d0d (64-bit (x86), uefi-preferred) / ami-0bbec090a1264d9 (64-bit (Arm), uefi)

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Amazon Linux 2023 AMI 2023.3.20240205.2 x86_64 HVM kernel-6.1

Architecture

64-bit (x86)

Boot mode

uefi-preferred

AMI ID

ami-0e731c8a588258d0d

Verified provider

Instance type

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Windows base pricing: 0.0162 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour

On-Demand RHEL base pricing: 0.0716 USD per Hour

On-Demand Linux base pricing: 0.0116 USD per Hour

Free tier eligible

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

Virtual server type (instance type)

t2.micro

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Storage (volumes)

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Cancel

Launch instance

Review commands

Key pair (login)

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

Select

Network settings

Network

vpc-0978bdc6a456b0d

Subnet

No preference (Default subnet in any availability zone)

Auto-assign public IP

Enable

Firewall (security groups)

Create security group

Select existing security group

We'll create a new security group called 'launch-wizard-1' with the following rules:

Allow SSH traffic from

Anywhere on internet

Allow HTTPS traffic from the internet

No set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet

No set up an endpoint, for example when creating a web server

Create key pair

Key pair name

Newbi

Key pair type

RSA

RSA encrypted private and public key pair

ED25519

ED25519 encrypted private and public key pair

Private key file format

.pem

For use with OpenSSH

.ppk

For use with PuTTY

When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more

Cancel

Create key pair

Review commands

Services

Search

[Alt+S]

N. Virginia

voclabs/user3011557~amol.kanchar@dcctinc.com @ 4629-7248-7428

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

Newbie

Create new key pair

Network settings

info

Edit

Network

info

vpc-0f978c8c6a4569c6f

Subnet

info

No preference (Default subnet in any availability zone)

Auto-assign public IP

info

Enable

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

Common security groups

info

Select security groups

Ec2_Wizard sg-0124ab325ad779e94

VPC: vpc-0f978c8c6a4569c6f

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Summary

Number of instances

info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-0e731c8a588258d0d

Virtual server type (instance type)

t2.micro

Firewall (security group)

Ec2_Wizard

Storage (volumes)

1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel

Launch instance

Review commands

Services

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N. Virginia

voclabs/user3011557~amol.kanchar@dcctinc.com @ 4629-7248-7428

Enable

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

Common security groups

info

Select security groups

Ec2_Wizard sg-0124ab325ad779e94

VPC: vpc-0f978c8c6a4569c6f

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Configure storage

info

Advanced

1x 30 GiB gp3 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GiB 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 systems

Edit

Advanced details

info

Summary

Number of instances

info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-0e731c8a588258d0d

Virtual server type (instance type)

t2.micro

Firewall (security group)

Ec2_Wizard

Storage (volumes)

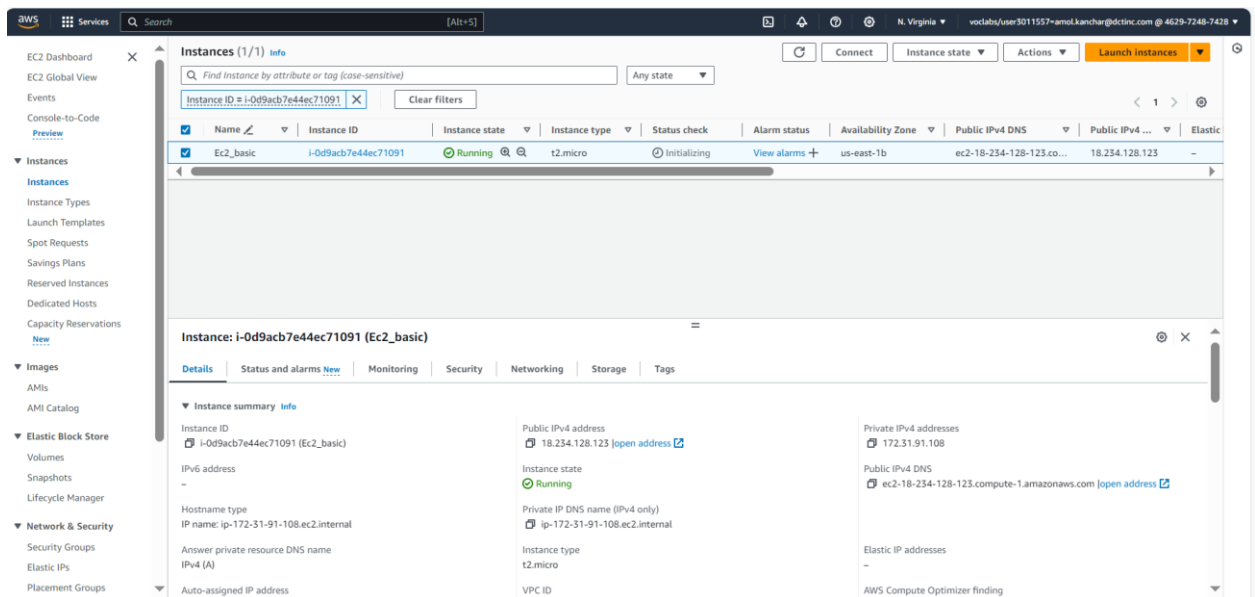
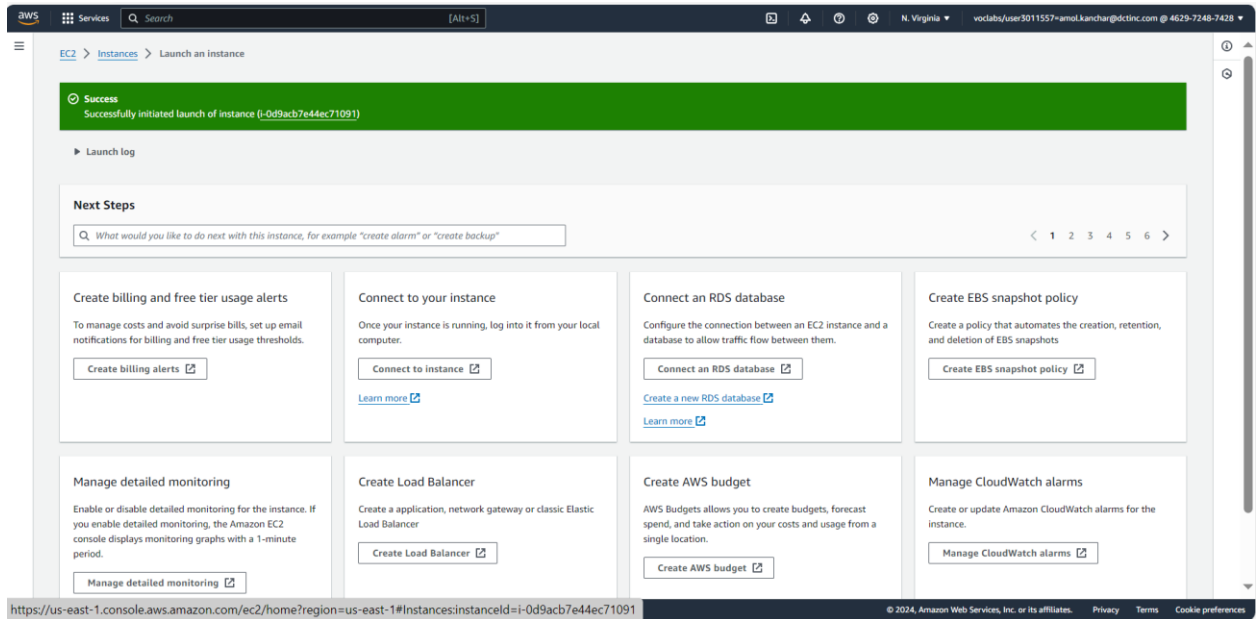
1 volume(s) - 30 GiB

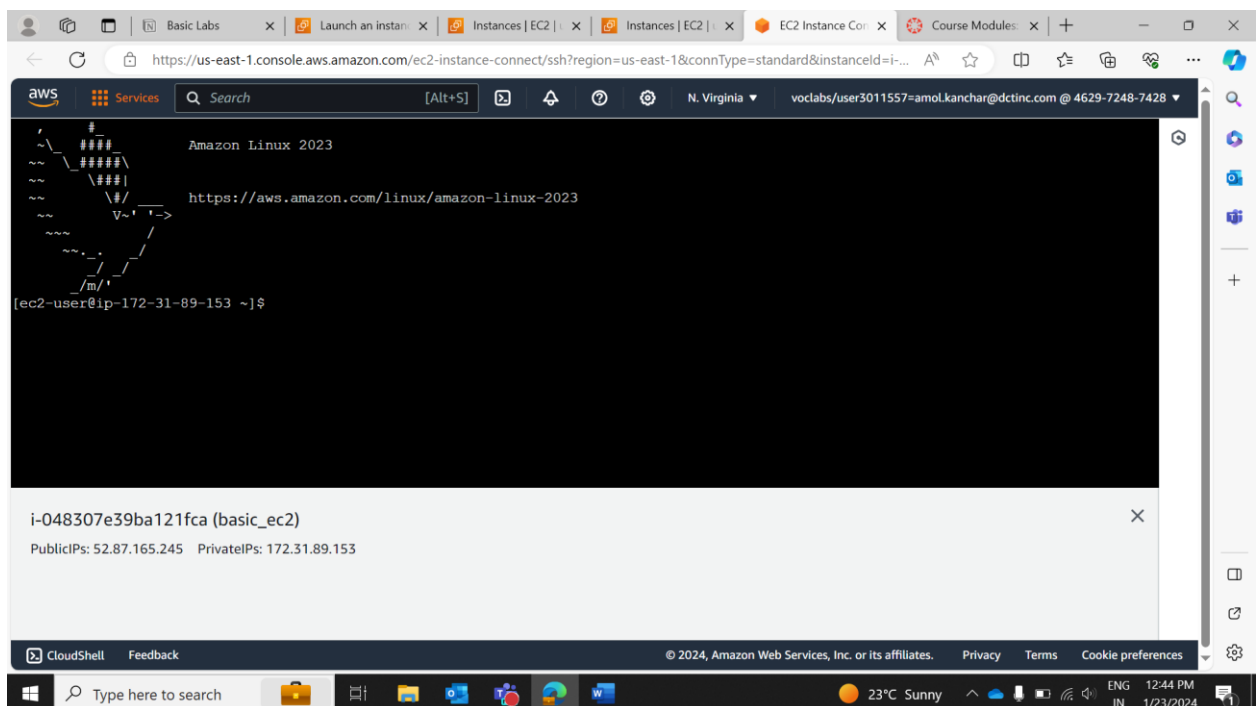
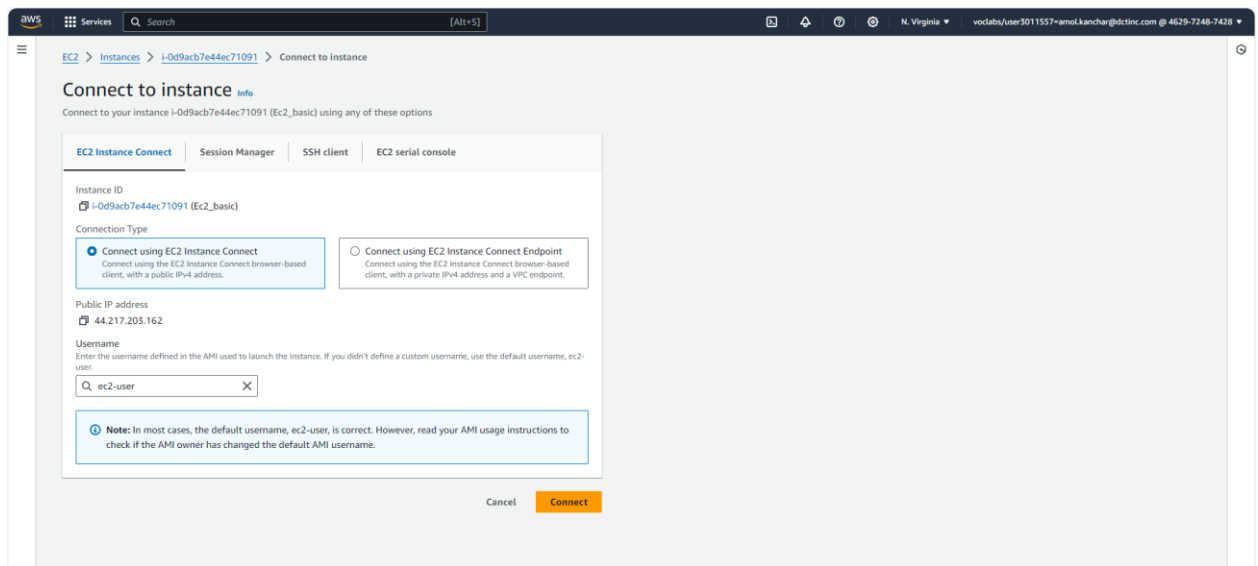
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel

Launch instance

Review commands





2) Creating S3 bucket

The screenshot shows the AWS Management Console interface for creating a new S3 bucket. The top navigation bar includes the AWS logo, a 'Services' menu, a search bar, and user account information. The breadcrumb trail indicates the path: Amazon S3 > Buckets > Create bucket. The main heading is 'Create bucket' with an 'Info' link. Below this, a sub-header 'General configuration' is displayed. The 'AWS Region' is set to 'US East (N. Virginia) us-east-1'. Under 'Bucket type', the 'General purpose' option is selected, while 'Directory - New' is unselected. The 'Bucket name' field contains 'myhelpful_buck'. A note at the bottom states that the bucket name must be unique within the global namespace and follow specific naming rules, with a link to 'See rules for bucket naming'.

aws Services Search [Alt+S] Global voclabs/user3011557=amol.kanchar@dctinc.com @ 4629-7248-7428

Amazon S3 > Buckets > Create bucket

Create bucket [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

General configuration

AWS Region

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

Bucket type [Info](#)

☒ **General purpose**

Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

☐ **Directory - New**

Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name [Info](#)

myhelpful_buck

Bucket name must be unique within the global namespace and follow the bucket naming rules. [See rules for bucket naming](#)

Services

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No tags associated with this bucket.

Add tag

Default encryption

Info

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type

Info

☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)

☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)

☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing](#) on the Storage tab of the [Amazon S3 pricing page](#).

Bucket Key

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☐ Disable

☒ Enable

Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

Cancel>Create bucket

CloudShell

Feedback

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Services

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Successfully created bucket "myhelpful-buck"

View details

To upload files and folders, or to configure additional bucket settings, choose [View details](#).

[Amazon S3](#) > Buckets

Account snapshot

View Storage Lens dashboard

Last updated: Feb 14, 2024 by Storage Lens. Metrics are generated every 24 hours. Metrics don't include directory buckets. [Learn more](#)

Total storage

1.1 MB

Object count

1

Average object size

1.1 MB

You can enable advanced metrics in the "default-account-dashboar" configuration.

General purpose buckets

Directory buckets

General purpose buckets (1)

Info

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

< 1 >

Name	AWS Region	Access	Creation date
myhelpful-buck	US East (N. Virginia) us-east-1	Objects can be public	February 16, 2024, 16:09:05 (UTC+05:30)

CloudShell

Feedback

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Services[Alt+S]

Globalvocalabs/user3011557-amol.kanchar@dtcinc.com @ 4629-7248-7428

Amazon S3> Buckets> myhelpful-buck> Upload

Upload

Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (14 Total, 31.9 MB)

All files and folders in this table will be uploaded.

Find by name

< 1 2 >

<input type="checkbox"/>	Name	Folder	Type
<input type="checkbox"/>	Aws_task.docx	AWS/	app
<input type="checkbox"/>	Basic labs.docx	AWS/	app
<input type="checkbox"/>	Address.ipynb	Sql/	-
<input type="checkbox"/>	contactinfo.ipynb	Sql/	-
<input type="checkbox"/>	Details.ipynb	Sql/	-
<input type="checkbox"/>	header.ipynb.sql	Sql/	-
<input type="checkbox"/>	Project_Nova_Healthcare.sql	Sql/	-
<input type="checkbox"/>	Pyspark_Task1.ipynb	Pyspark/	-
<input type="checkbox"/>	Pyspark_Task2.ipynb	Pyspark/	-
<input type="checkbox"/>	Python_Task1.ipynb	python/	-

Destination

Info

aws Services Search [Alt+S]

Global
voclabs/user3011557@noc.kansharj@dc.tinc.com @ 4629-7249-7428

Upload succeeded
View details below.

Summary

Destination <code>s3://myhelpful-buck</code>	Succeeded ✔ 14 files, 31.9 MB (100.00%)	Failed ⊖ 0 files, 0 B (0%)
---	---	---

Files and folders |
 Configuration

Files and folders (14 Total, 31.9 MB)

Find by name

Name	Folder	Type	Size	Status	Error
Aws_task.docx	AWS/	application/...	2.9 MB	✔ Succeeded	-
Basic labs.d...	AWS/	application/...	1.1 MB	✔ Succeeded	-
Address.ipyn...	Sq/	-	1.5 MB	✔ Succeeded	-
contactinfo....	Sq/	-	300.2 KB	✔ Succeeded	-
Details.ipynb	Sq/	-	1.8 MB	✔ Succeeded	-
header.ipyn...	Sq/	-	368.5 KB	✔ Succeeded	-
Project_Nov...	Sq/	-	3.8 KB	✔ Succeeded	-
Pyspark_Tas...	Pyspark/	-	22.4 KB	✔ Succeeded	-
Pyspark_Tas...	Pyspark/	-	23.8 MB	✔ Succeeded	-
Python_Tas...	python/	-	2.6 KB	✔ Succeeded	-

3) Creating VPC

Create VPC

A VPC is an isolated portion of the AWS Cloud populated by AWS objects, such as Amazon EC2 instances. Mouse over a resource to highlight the related resources.

VPC settings

Resources to create

☐ VPC only ☒ VPC and more

Name tag auto-generation

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

Task3_vpc

IPv4 CIDR block

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

10.0.0.0/16 65,536 IPs

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

IPv6 CIDR block

☐ No IPv6 CIDR block ☒ Amazon-provided IPv6 CIDR block

Tenancy

Default

Number of Availability Zones (AZs)

Choose the number of AZs in which to provision subnets. We recommend at least two AZs for high availability.

1 2 3

Preview

VPC Show details

Your AWS virtual network

Task3_vpc-vpc

Subnets (4)

Subnets within this VPC

ap-south-1a

Task3_vpc-subnet-public1-ap-south-1a

Task3_vpc-subnet-private1-ap-south-1a

ap-south-1b

Task3_vpc-subnet-public2-ap-south-1b

Task3_vpc-subnet-private2-ap-south-1b

Route tables (3)

Route network traffic to resources

Task3_vpc-rtb-public

Task3_vpc-rtb-private1-ap-south-1a

Task3_vpc-rtb-private2-ap-south-1b

Network connections

Connections to other networks

Task3_vpc-igw

Task3_vpc-vpce-s3

Number of Availability Zones (AZs)

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

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

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

NAT gateways (\$)

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

Egress only internet gateway

IPv6 only. Allows outbound communication over IPv6 in your private subnets.

No Yes

VPC endpoints

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

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

NAT gateways (5)

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

Egress only internet gateway

Info

IPv6 only. Allows outbound communication over IPv6 in your private subnets.

No

Yes

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

VPC

Your VPCs

Create VPC

Create VPC resources

Create VPC workflow

Success

Details

Create VPC: vpc-0080553c6eb8db89c

Wait VPC IPv6 CIDR block to be associated

Enable DNS hostnames

Enable DNS resolution

Verifying VPC creation: vpc-0080553c6eb8db89c

Create S3 endpoint: vpce-0d062a7e83e1b3682

Create subnet: subnet-0e19f3b37b9363e4

Create subnet: subnet-0d494fb29f89989a7

Create subnet: subnet-07e10cf8893ed8c32

Create subnet: subnet-0f6eccc7ef2b791e5

Create subnet: subnet-0c5bd9bb5ceab60f9

Attach internet gateway to the VPC

Create route table: rtb-059f4f486e14ef35e

Create route

Create route

Associate route table

Associate route table

Create route table: rtb-03f9695a62550c02f

Associate route table

Create route table: rtb-08becf18426c8eece

Associate route table

Verifying route table creation

Associate S3 endpoint with private subnet route tables: vpce-0d062a7e83e1b3682

VPC dashboard

EC2 Global View

Filter by VPC

Select a VPC

Virtual private cloud

Your VPCs

Subnets

Route tables

Internet gateways

Egress-only internet gateways

DHCP option sets

Elastic IPs

Managed prefix lists

Endpoints

Endpoint services

NAT gateways

Peering connections

Security

Network ACLs

Security groups

DNS firewall

Rule groups

Domain lists

Network Firewall

Firewalls

vpc-0080553c6eb8db89c

Task3_vpc-vpc

Details

Info

VPC ID

vpc-0080553c6eb8db89c

Tenancy

Default

Default VPC

No

Network Address Usage metrics

Disabled

State

Available

DHCP option set

dopt-0e222b3379611fb7f

IPv4 CIDR

10.0.0.0/16

Route 53 Resolver DNS Firewall rule groups

-

DNS hostnames

Enabled

Main route table

rtb-0cc75b10c2fde6628

IPv6 pool

Amazon Associated

Owner ID

311049031593

DNS resolution

Enabled

Main network ACL

acl-058ac2ad7f810d9fc

IPv6 CIDR (Network border group)

2406:da1a:709:8900::/56 (ap-south-1) Associated

Resource map

CIDRs

Flow logs

Tags

Integrations

Resource map

Info

VPC

Show details

Your AWS virtual network

Task3_vpc-vpc

Subnets (4)

Subnets within this VPC

ap-south-1a

Task3_vpc-subnet-public-1-ap-south-1a

Task3_vpc-subnet-private-1-ap-south-1a

ap-south-1b

Task3_vpc-subnet-public-2-ap-south-1b

Task3_vpc-subnet-private-2-ap-south-1b

Route tables (4)

Route network traffic to resources

rtb-0cc75b10c2fde6628

Task3_vpc-rtb-private2-ap-south-1b

Task3_vpc-rtb-private1-ap-south-1a

Task3_vpc-rtb-public

Network connections (2)

Connections to other networks

Task3_vpc-igw

Task3_vpc-vpc-s3

Assigning VPC to ec2

EC2 > Instances > Launch an instance

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

EC2_connect_vpc

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

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE Linux

Browse more AMIs

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-0449c34f967dbf18a (64-bit (x86), uefi-preferred) / ami-0796d11bd30229ab5 (64-bit (ARM), uefi)

Virtualization: hvm ENA enabled: true Root device type: ebs

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-0449c34f967dbf18a

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel

Launch instance

Review commands

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-0449c34f967dbf18a (64-bit (x86), uefi-preferred) / ami-0796d11bd30229ab5 (64-bit (ARM), uefi)

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

Description

Amazon Linux 2023 AMI 2023.3.20240205.2 x86_64 HVM kernel-6.1

Architecture

64-bit (x86)

Boot mode

uefi-preferred

AMI ID

ami-0449c34f967dbf18a

Verified provider

Instance type

t2.micro

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: 0.0724 USD per Hour

On-Demand SUSE base pricing: 0.0124 USD per Hour

Free tier eligible

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login)

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

VPC_ec

Create new key pair

Summary

Number of instances

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-0449c34f967dbf18a

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

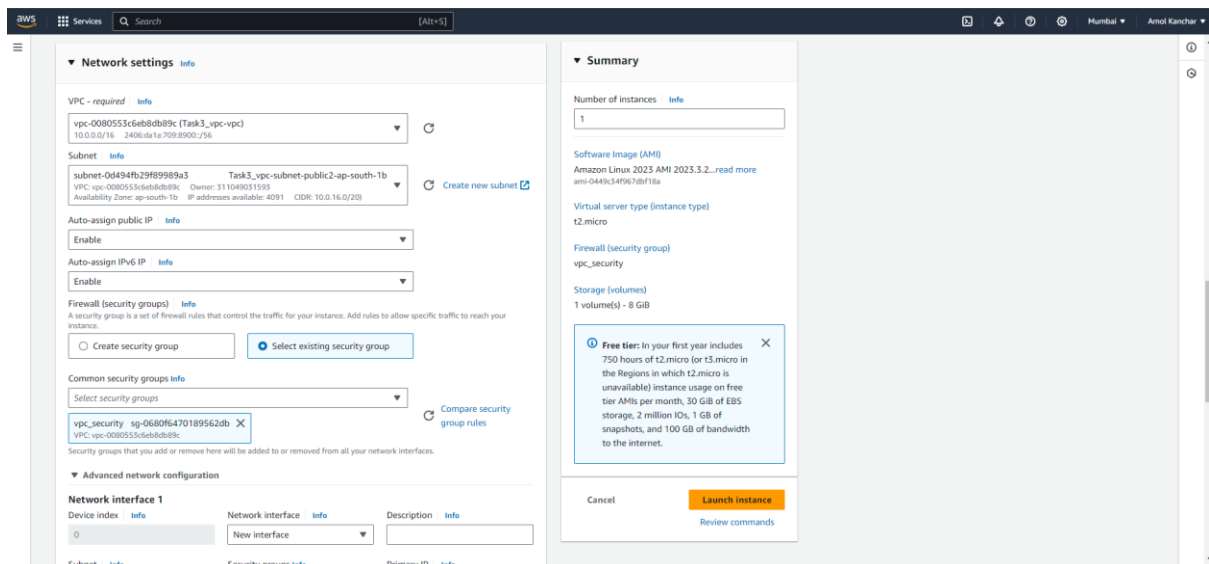
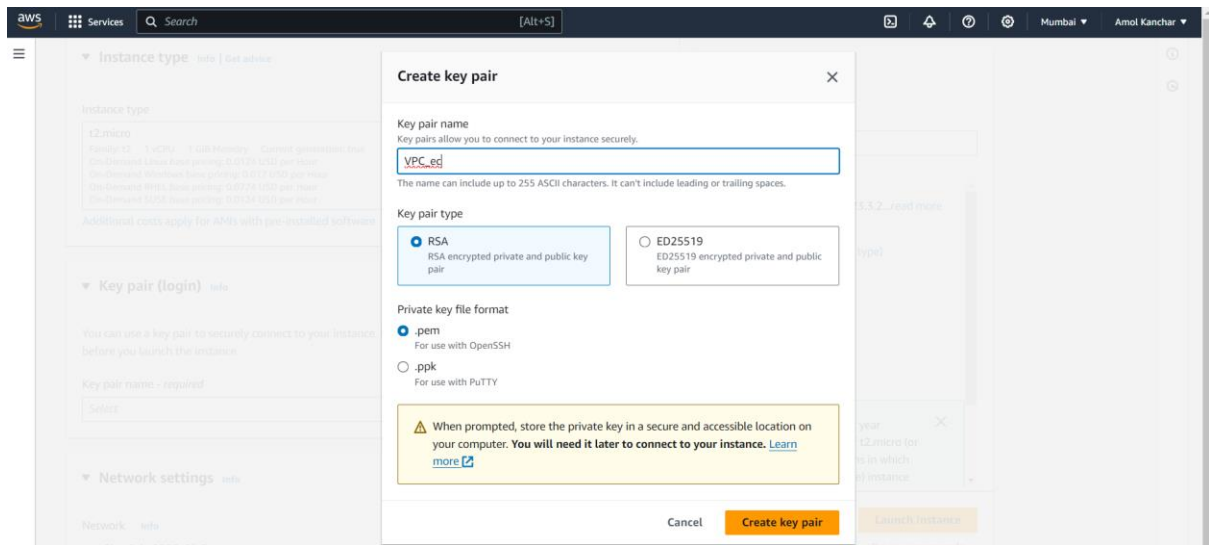
1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel

Launch instance

Review commands



Services

Search

[Alt+S]

CloudShell

Feedback

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Create security group

Select existing security group

Common security groups info

Select security groups

vpc_security sg-0680f6470189562db X

VPC vpc-0080553c5e8b8b8c

Compare security group rules

Security groups that you add or remove here will be added to or removed from all your network interfaces.

Advanced network configuration

Configure storage info

Advanced

1x 8 GiB gp3 Root volume (Not encrypted)

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

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 systems Edit

Advanced details info

Summary

Number of instances info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-0449c34f967dbf18a

Virtual server type (instance type)

t2.micro

Firewall (security group)

vpc_security

Storage (volumes)

1 volume(s) - 8 GiB

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Cancel

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EC2

Instances

Launch an instance

Success

Successfully initiated launch of instance i-097d797f67098ef06

Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Create billing alerts

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance

Learn more

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

Create a new RDS database

Learn more

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy

Manage detailed monitoring

Enable or disable detailed monitoring for the instance. If you enable detailed monitoring, the Amazon EC2 console displays monitoring graphs with a 1-minute period.

Manage detailed monitoring

Create Load Balancer

Create a application, network gateway or classic Elastic Load Balancer

Create Load Balancer

Create AWS budget

AWS Budgets allows you to create budgets, forecast spend, and take action on your costs and usage from a single location.

Create AWS budget

Manage CloudWatch alarms

Create or update Amazon CloudWatch alarms for the instance.

Manage CloudWatch alarms

EC2 Dashboard

Instances (1/1) info

Find Instance by attribute or tag (case-sensitive)

Any state

Connect

Instance state

Actions

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
Ec2_connect_v...	i-097d797fe7098ef06	Running	t2.micro	Initializing	View alarms	ap-south-1b	ec2-13-200-30-173.ap-...	13.200.30.173	13.200.30.173

Instance: i-097d797fe7098ef06 (Ec2_connect_vpc)

Details | Status and alarms | Monitoring | Security | Networking | Storage | Tags

Instance summary

Instance ID: i-097d797fe7098ef06 (Ec2_connect_vpc)

Public IPv4 address: 13.200.30.173

Private IPv4 addresses: 10.0.28.216

Public IPv4 DNS: ec2-13-200-30-173.ap-south-1.compute.amazonaws.com

Private resource DNS name: -

Elastic IP addresses: 13.200.30.173 [Public IP]

AWS Compute Optimizer finding

Instance state: Running

Private IP DNS name (IPv4 only): ip-10-0-28-216.ap-south-1.compute.internal

Instance type: t2.micro

VPC ID

IPV6 address: 2406:da1a:709:8901:80e0:8722:e38f:f57b

Hostname type: ip-10-0-28-216.ap-south-1.compute.internal

IP name: ip-10-0-28-216.ap-south-1.compute.internal

Answer private resource DNS name: -

Auto-assigned IP address

Amazon Linux 2023

https://aws.amazon.com/linux/amazon-linux-2023

```
(ec2-user@ip-10-0-28-216 ~)$ www.google.com
-bash: www.google.com: command not found
(ec2-user@ip-10-0-28-216 ~)$ ping www.google.com
PING www.google.com (bom07s26-in-x04.1e100.net (2404:6800:4009:81c::2004)) 56 data bytes
^C
--- www.google.com ping statistics ---
52 packets transmitted, 0 received, 100% packet loss, time 53007ms

(ec2-user@ip-10-0-28-216 ~)$ www.yahoo.com
-bash: www.yahoo.com: command not found
(ec2-user@ip-10-0-28-216 ~)$ ping yahoo.com
PING yahoo.com (media-router-fp74.prod.media.vip.net.yahoo.com (2001:4998:44:3507::8001)) 56 data bytes
^C
--- yahoo.com ping statistics ---
98 packets transmitted, 0 received, 100% packet loss, time 100877ms

(ec2-user@ip-10-0-28-216 ~)$
```

i-097d797fe7098ef06 (Ec2_connect_vpc)

PublicIPs: 13.200.30.173 PrivateIPs: 10.0.28.216