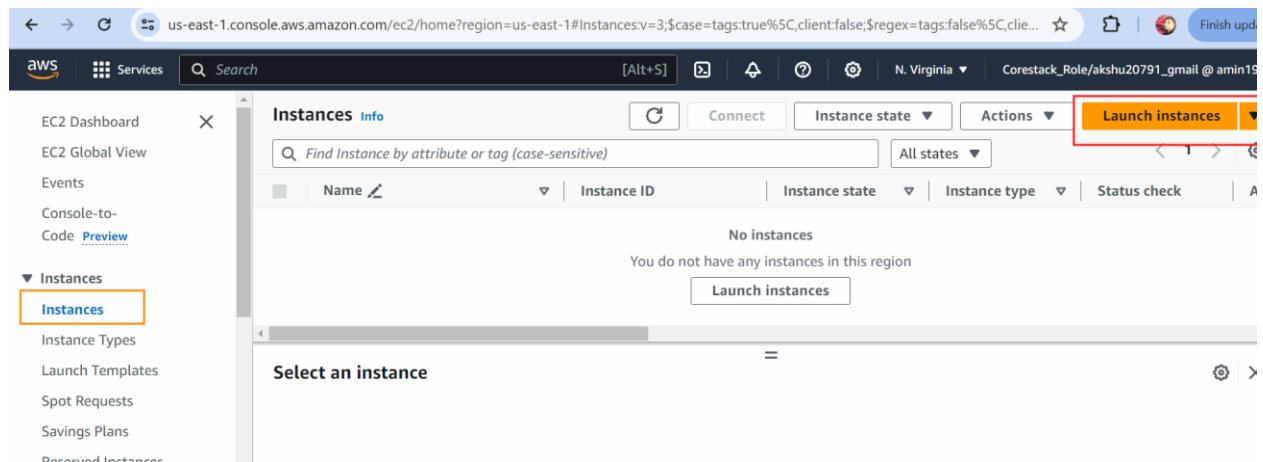
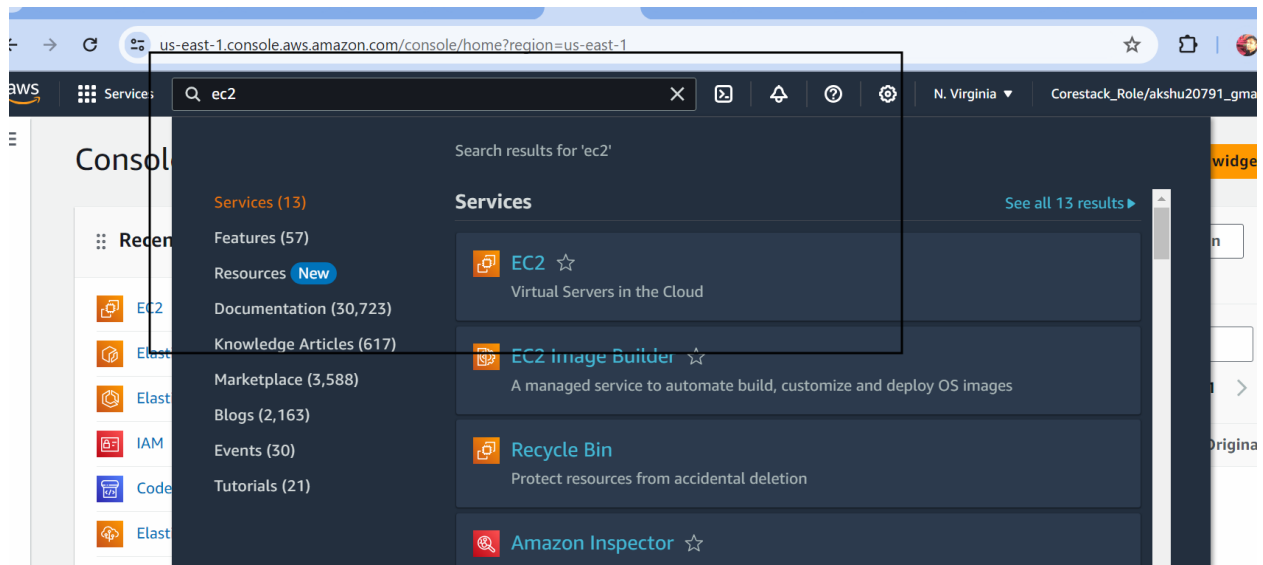


EC2 machine








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

Name and tags [Info](#)

Name

k8s

[Add additional tags](#)

 Services [Alt+S]    


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

Recents


My AMIs

Quick Start


Amazon Linux




macOS




Ubuntu





Windows



Red Hat






[Browse more AMIs](#)
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type

ami-04b70fa74e45c3917 (64-bit (x86)) / ami-0eac975a54dfee8cb (64-bit (Arm))

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

Free tier eligible ▼

aws

Services

Search

[Alt+S]

N. Virginia

Corestack_Role/akshu2079

64-bit (x86)

ami-04b70fa74e45c3917

verified provider

▼ Instance type

Info | Get advice

Instance type

t3.medium

Family: t3 | 2 vCPU | 4 GiB Memory | Current generation: true

On-Demand SUSE base pricing: 0.0979 USD per Hour

On-Demand Windows base pricing: 0.06 USD per Hour

On-Demand Linux base pricing: 0.0416 USD per Hour

On-Demand RHEL base pricing: 0.1016 USD per Hour

Additional costs apply for AMIs with pre-installed software

All generations

Compare instance types

▼ Key pair (login)

Info

▼ Summary

Number of instances | Info

1

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...read more

ami-04b70fa74e45c3917

Virtual server type (instance type)

t3.medium

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

use atleast t3.medium because k8s needs atleast 2 vncpus

▼ 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*

Select



Create new key pair

Launch the instance.

required

Settings Info

Info

8ac12736

Public IP Info

es apply when outside of

(groups) Info

a set of firewall rules that c

Create key pair

Key pair name

Key pairs allow you to connect to your instance securely.

akshat-key1

The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.

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

Cancel Create key pair

Network settings Info

Edit

Network Info

vpc-0f03132de8ac12736

Subnet Info

No preference (Default subnet in any availability zone)

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

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

Scroll down and in place of ssh select all traffic from drop down

launch-wizard-1

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 2024-05-19T15:10:38.063Z

Inbound Security Group Rules

▼ Security group rule 1 (All, All, 0.0.0.0/0)

Remove

Type [Info](#)

All traffic

Protocol [Info](#)

All

Port range [Info](#)

All

Source type [Info](#)

Anywhere

Source [Info](#)

🔍 Add CIDR, prefix list or secur

0.0.0.0/0 ✕

Description - *optional* [Info](#)

e.g. SSH for admin desktop

aws

Services

Search

[Alt+S]

N. Virginia

Corestack_Role/akshu20791_gmail @ amin

▼ Security group rule 1 (All, All, 0.0.0.0/0)

Remove

Type [Info](#)

All traffic

Protocol [Info](#)

All

Port range [Info](#)

All

Source type [Info](#)

Anywhere

Source [Info](#)

🔍 Add CIDR, prefix list or secur

0.0.0.0/0 ✕

Description - *optional* [Info](#)

e.g. SSH for admin desktop

⚠️ 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

▼ Configure storage [Info](#)

Advanced

▼ Summary

Number of instances [Info](#)

2

When launching more than 1 instance, consider EC2 Auto Scaling

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...read more

ami-04b70fa74e45c3917

Virtual server type (instance type)

t3.medium

Firewall (security group)

New security group

You are screen sharing

Stop share

Cancel

Launch instance

[EC2](#) > [Instances](#) > Launch an instance

✔ **Success**

Successfully initiated launch of instances ([i-03f4194531a89858a](#), [i-00addb592b6e18cd6](#), [i-0e3624aec6c95c146](#))

▶ Launch log

Next Steps

Q What would you like to do next with these instances, for example "create alarm" or "create backup"

< 1 2 3 4 5 6 >

Create billing and free tier usage alerts

To manage costs and avoid

Connect to your instance

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

Connect an RDS database

Configure the connection between an EC2 instance and a database to

Create EBS snapshot policy

Create a policy that automates the



Services

Search

[Alt+S]



N. Virginia



[EC2](#) > [Instances](#) > Launch an instance

✔ **Success**

Successfully initiated launch of instances ([i-03f4194531a89858a](#), [i-00addb592b6e18cd6](#), [i-0e3624aec6c95c146](#))

▶ Launch log

Next Steps

Q What would you like to do next with these instances, for example "create alarm" or "create backup"

< 1

services [Alt+S]

Instances (3) [Info](#) Instance state

| <input type="checkbox"/> | Name | Instance ID | Instance state |
|--------------------------|------|---------------------|----------------|
| <input type="checkbox"/> | k8s | i-00addb592b6e18cd6 | Running |
| <input type="checkbox"/> | k8s | i-0e3624aec6c95c146 | Running |
| <input type="checkbox"/> | k8s | i-03f4194531a89858a | Running |

Select an instance

Now we need to rename the machines

As master , node1 and node2

Take your mouse to one of the names

Instances (3) [Info](#) Instance state

All states

| <input type="checkbox"/> | Name | Instance ID | Instance state | Instance |
|--------------------------|------|---------------------|----------------|----------|
| <input type="checkbox"/> | k8s | i-00addb592b6e18cd6 | Running | t3.medi |
| <input type="checkbox"/> | k8s | i-0e3624aec6c95c146 | Running | t3.medi |
| <input type="checkbox"/> | k8s | i-03f4194531a89858a | Running | t3.medi |

Select an instance

You will see pencil

Click on pencil

Find instance by attribute or tag (case-sensitive)

| | Name | Instance ID | Instance state |
|-------------------------------------|------|---------------------|----------------|
| <input type="checkbox"/> | k8s | i-00addb592b6e18cd6 | Running |
| <input checked="" type="checkbox"/> | k8s | i-0e3624aec6c95c146 | Running |
| <input type="checkbox"/> | k8s | i-03f4194531a89858a | Running |

i-0e3624aec6c95c146 (k8s)

Details | Status and alarms [New](#) | Monitoring | Security | Networking | Storage

Rename

And click on tick

Instances (1/3) [Info](#) [Refresh](#) [Connect](#) [Instance state](#) [Actions](#) [Launch](#)

Find Instance by attribute or tag (case-sensitive) [All states](#)

| | Name | Instance ID | Instance state | Instance type | Status |
|-------------------------------------|--------|---------------------|----------------|---------------|--------|
| <input checked="" type="checkbox"/> | master | i-00addb592b6e18cd6 | Running | t3.medium | In |
| <input type="checkbox"/> | node1 | i-0e3624aec6c95c146 | Running | t3.medium | In |
| <input type="checkbox"/> | node2 | i-03f4194531a89858a | Running | t3.medium | In |

i-00addb592b6e18cd6 (master)

Similarly we can rename all the machine like above screenshot