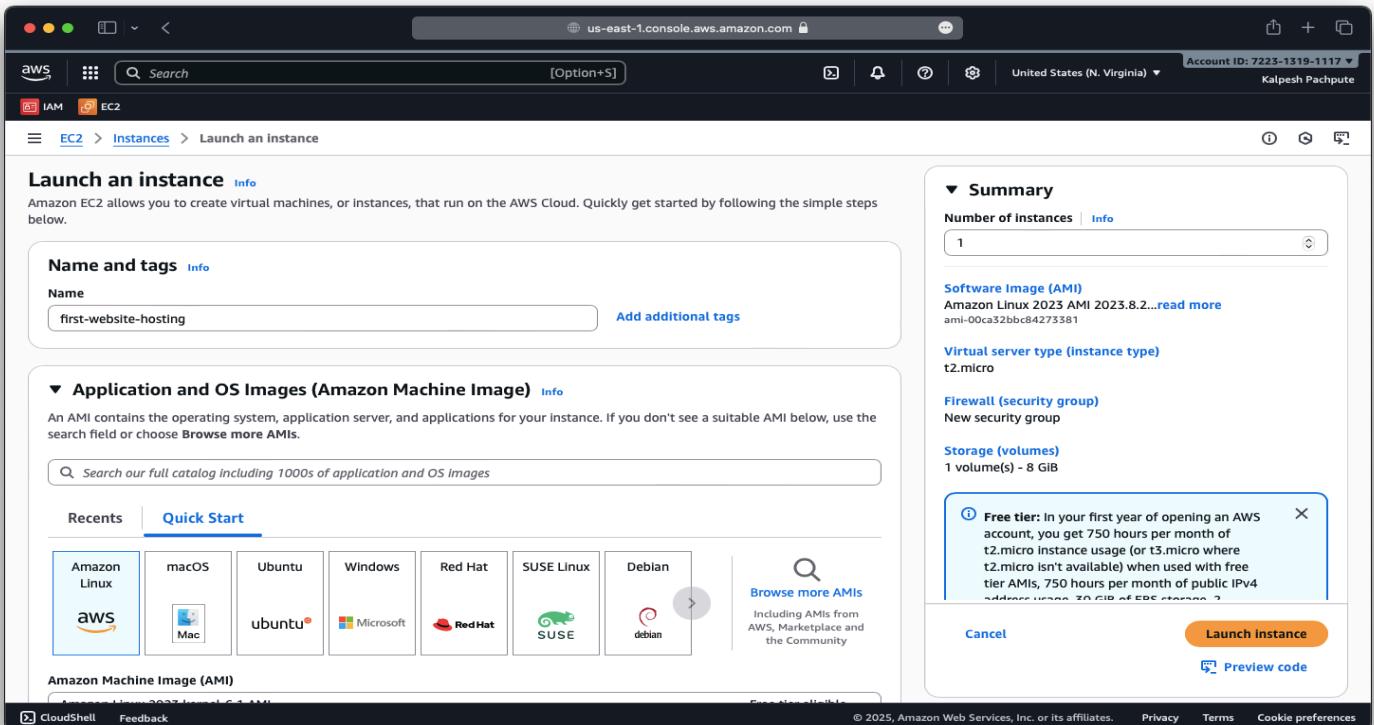


TASK 5 - Website hosting using EC2 instance.



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 Add additional tags

Application and OS Images (Amazon Machine Image) [Info](#)

An AMI contains the operating system, application server, and applications for your instance. If you don't see a suitable AMI below, use the search field or choose [Browse more AMIs](#).

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

Recents Quick Start

Amazon Linux macOS Ubuntu Windows Red Hat SUSE Linux Debian [Browse more AMIs](#) Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 kernel-6.1 AMI

Free tier eligible

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Summary

Number of Instances [Info](#)

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.8.2... [read more](#)

ami-00ca32bbc84273381

Virtual server type (instance type)

t2.micro

Firewall (security group)

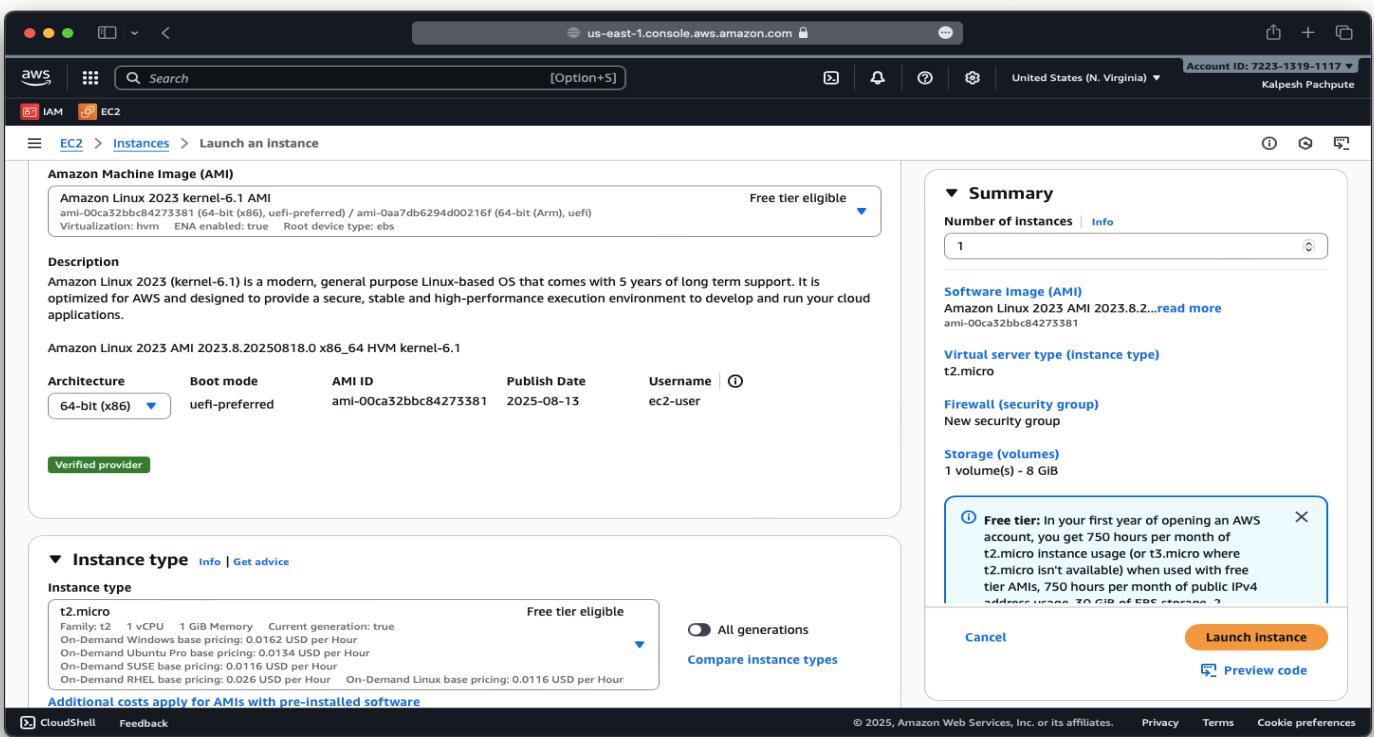
New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 20 GiB of EBS storage, 2

Cancel [Launch instance](#) [Preview code](#)



Amazon Machine Image (AMI)

Amazon Linux 2023 kernel-6.1 AMI

Free tier eligible

ami-00ca32bbc84273381 (64-bit (x86), uefi-preferred) / ami-0aa7db6294d00216f (64-bit (Arm), uefi)

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

Description

Amazon Linux 2023 (kernel-6.1) 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.

Amazon Linux 2023 AMI 2023.8.20250818.0 x86_64 HVM kernel-6.1

Architecture Boot mode AMI ID Publish Date Username [\(i\)](#)

64-bit (x86) uefi-preferred ami-00ca32bbc84273381 2025-08-13 ec2-user

Verified provider

Instance type [Info](#) | [Get advice](#)

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 Ubuntu Pro base pricing: 0.0134 USD per Hour

On-Demand SUSE base pricing: 0.0116 USD per Hour

On-Demand RHEL base pricing: 0.026 USD per Hour On-Demand Linux base pricing: 0.0116 USD per Hour

Free tier eligible

All generations [Compare instance types](#)

Summary

Number of instances [Info](#)

1

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Amazon Linux 2023 AMI 2023.8.2... [read more](#)

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New security group

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Cancel [Launch instance](#) [Preview code](#)

us-east-1.console.aws.amazon.com

Account ID: 7223-1319-1117

United States (N. Virginia)

Kalpesh Pachpute

aws IAM EC2

EC2 Instances Launch an instance

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**

Key1 Create new key pair

Network settings Info

Network Info

vpc-0006d7623deb7cd23

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-4' with the following rules:

Allow SSH traffic from Anywhere 0.0.0.0/0

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.8.2... [read more](#)

ami-00ca32bbc84273381

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 of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2

Cancel Launch instance Preview code

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us-east-1.console.aws.amazon.com

Account ID: 7223-1319-1117

United States (N. Virginia)

Kalpesh Pachpute

aws IAM EC2

EC2 Instances Launch an instance

Allow SSH traffic from Anywhere 0.0.0.0/0

Allow HTTPS traffic from the internet To set up an endpoint, for example when creating a web server

Allow HTTP traffic from the internet To set up an endpoint, for example when creating a web server

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.

Configure storage Info

Advanced

1x 8 GiB gp3 Root 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 systems

Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.8.2... [read more](#)

ami-00ca32bbc84273381

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 of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier AMIs, 750 hours per month of public IPv4 address usage, 30 GiB of EBS storage, 2

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AWS IAM EC2 United States (N. Virginia) ▾ Kalpesh Pachpute

EC2 Instances Launch an Instance

Metadata response hop limit | Info 2

Allow tags in metadata | Info Select

User data - optional | Info
Upload a file with your user data or enter it in the field.
Choose file

```
#!/bin/bash
yum install -y httpd
systemctl start httpd
systemctl enable httpd

echo "<h1>Hello from EC2 </h1>" > /var/www/html/index.html
```

User data has already been base64 encoded

▼ Summary

Number of instances | Info 1

Software Image (AMI)
Amazon Linux 2023 AMI 2023.8.2...read more
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Cancel Launch instance Preview code

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AWS IAM EC2 United States (N. Virginia) ▾ Kalpesh Pachpute

EC2 Instances

EC2 Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
<input checked="" type="checkbox"/> first-website-h...	i-0165bc72e7380d363	Running	t2.micro	Initializing	View alarms +	us-east-1c
<input type="checkbox"/> Linux	i-011f7b20cd69f53e6	Stopped	t2.micro	-	View alarms +	us-east-1b

i-0165bc72e7380d363 (first-website-hosting)

Instance summary | Info

Instance ID: i-0165bc72e7380d363

IPv6 address: -

Hostname type: IP name: ip-172-31-19-116.ec2.internal

Public IPv4 address: 3.88.227.57 | [open address](#)

Instance state: Running

Private IP DNS name (IPv4 only): ip-172-31-19-116.ec2.internal

Private IPv4 addresses: 172.31.19.116

Public DNS: ec2-3-88-227-57.compute-1.amazonaws.com | [open address](#)



