

EC2 Instance creation:

Provide the name for the instance

EC2 > Instances > Launch 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

 [Add additional tags](#)

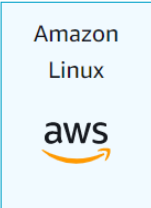
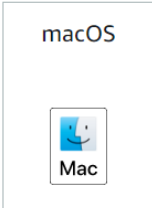
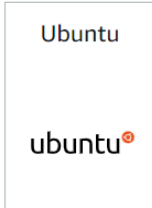
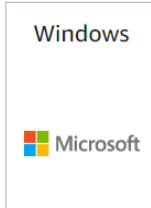
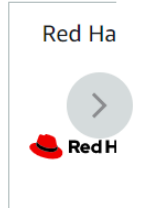

Select which type of machine we required

▼ **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

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

Quick Start

					 Browse more AMIs Including AMIs from AWS, Marketplace and the Community
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Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type ami-072bfb8ae2c884cc4 (64-bit (x86)) / ami-0089d4ff0b093a1b7 (64-bit (Arm)) Virtualization: hvm ENA enabled: true Root device type: ebs	Free tier eligible ▼
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Select the machine type like CPU and memory details and keypair group

Instance type

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory

On-Demand Linux pricing: 0.0152 USD per Hour

On-Demand Windows pricing: 0.0198 USD per Hour

[Compare instance types](#)

▼ **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*

Harish [Create new key pair](#)

Select the network, here I selected the default VPC and allow the SSH traffic

▼ **Network settings** [Info](#) [Edit](#)

Network [Info](#)

vpc-08aa2e905ad4dc791

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

We'll create a new security group called 'launch-wizard-3' with the following rules:

Allow SSH traffic from Anywhere

Helps you connect to your instance 0.0.0.0/0

Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

▼ Configure storage [Info](#) [Advanced](#)

1x GiB ▼ Root volume (Not encrypted)

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

0 x File systems [Edit](#)

In the summary section, click on Launch instances

▼ Summary

Number of instances [Info](#)

When launching more than 1 instance, [consider EC2 Auto Scaling](#).

Software Image (AMI)

Amazon Linux 2 Kernel 5.10 AMI...[read more](#)
ami-072bfb8ae2c884cc4

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

After created the instances successfully we will see the below message with success.

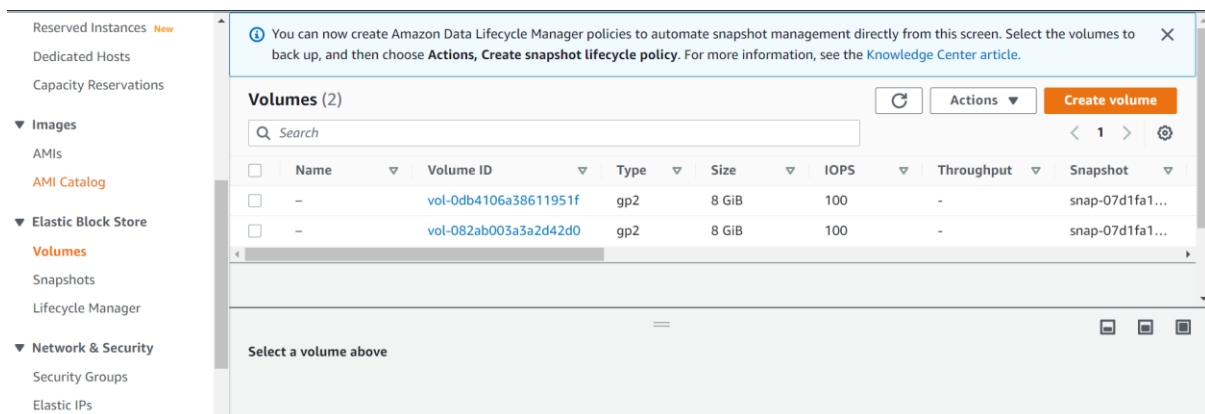


These instances we created.

The screenshot shows the "Instances (1/2)" page in the AWS console. It includes a search bar with the placeholder "Find instance by attribute or tag (case-sensitive)", a "Launch instances" button, and a table of instances.

	Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Av-
<input type="checkbox"/>	Harish	i-05811a988c7f16096	Running	t2.micro	Initializing	No alarms	+
<input checked="" type="checkbox"/>	Ninaru	i-02814e7ecae9bd5fd	Running	t2.micro	Initializing	No alarms	+

EBS creation:



Create volume [Info](#)

Create an Amazon EBS volume to attach to any EC2 instance in the same Availability Zone.

Volume settings

Volume type [Info](#)

General Purpose SSD (gp2) ▼

Size (GiB) [Info](#)

100

Min: 1 GiB, Max: 16384 GiB. The value must be an integer.

IOPS [Info](#)

300 / 3000

Baseline of 3 IOPS per GiB with a minimum of 100 IOPS, burstable to 3000 IOPS.

Throughput (MiB/s) [Info](#)

Not applicable

Availability Zone [Info](#)

Snapshot ID - optional [Info](#)

Don't create volume from a snapshot ▼



Encryption [Info](#)

Use Amazon EBS encryption as an encryption solution for your EBS resources associated with your EC2 instances.

Encrypt this volume

Tags - optional [Info](#)

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

MySQLDB



Value - optional

HarishNinaru



Remove

Add tag

You can add 49 more tags.

Successfully created volume [vol-097f459c0f2d3ae58](#).

You can now create Amazon Data Lifecycle Manager policies to automate snapshot management directly from this screen. Select the volumes to back up, and then choose **Actions**, **Create snapshot lifecycle policy**. For more information, see the [Knowledge Center article](#).

Volumes (1/3) Actions Create volume

Search

Name	Volume ID	Type	Size	IOPS	Throughput	Snapshot
<input checked="" type="checkbox"/> HarishNinaru	vol-097f459c0f2d3ae58	gp2	100 GiB	300	-	-
<input type="checkbox"/> -	vol-0db4106a38611951f	gp2	8 GiB	100	-	snap-07d1fa1...
<input type="checkbox"/> -	vol-082ab003a3a2d42d0	gp2	8 GiB	100	-	snap-07d1fa1...

Created the VPC

Your VPCs (1/2) Info Actions Create VPC

Filter VPCs

Name	VPC ID	State	IPv4 CIDR	IPv6 CIDR
<input type="checkbox"/> -	vpc-08aa2e905ad4dc791	Available	172.31.0.0/16	-
<input checked="" type="checkbox"/> Harish_Ninaru	vpc-02838b40800d7947d	Available	10.0.1.0/24	-

vpc-02838b40800d7947d / Harish_Ninaru

Details | **CIDRs** | Flow logs | Tags

CIDRs Info

Address type	CIDR	Network Border Group	Pool	Status
IPv4	10.0.1.0/24			Associated

Created the snapshot

Snapshots (1/1)



Recycle Bin

Actions

Create snapshot

Owned by me

Search

< 1 > ⚙

<input checked="" type="checkbox"/>	Name	Snapshot ID	Size	Description	Storage...	Snapshot status
<input checked="" type="checkbox"/>	Harish_Ninaru	snap-0fe7f97745e7878db	8 GiB	Harish_snapshot	Standard	Completed

Snapshot ID: [snap-0fe7f97745e7878db](#) (Harish_Ninaru)

Details

Permissions

Storage tier

Tags

Snapshot ID

[snap-0fe7f97745e7878db](#)
(Harish_Ninaru)

Owner

[368377248375](#)

Size

[8 GiB](#)

Volume ID

[vol-01d219a8141fd4a2a](#)

Progress

Available (100%)

Started

[Thu Oct 27 2022 16:35:47 GMT+0530 \(India Standard Time\)](#)

Snapshot status

Completed

Product codes

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