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.
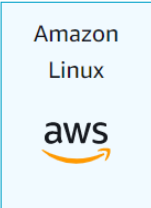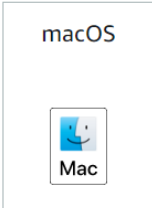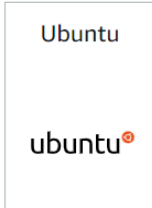
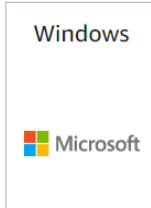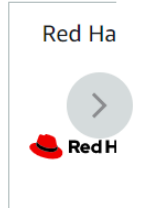## Name and tags Info

Name

| Harish | 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

| Amazon Linux | macOS | Ubuntu | Windows | Red Ha | 🔍 Browse more AMIs |
| aws | Mac | ubuntu | Microsoft | RedH | Including AMIs from AWS, Marketplace and the Community |

Amazon Machine Image (AMI)

Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type   Free tier eligible
ami-072bfb8ae2c884cc4 (64-bit (x86)) / ami-0089d4ff0b093a1b7 (64-bit (Arm)) ▼
Virtualization: hvm   ENA enabled: true   Root device type: ebs

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**
Helps you connect to your instance

Anywhere	▼
0.0.0.0/0	

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

In the summary section, click on Launch instances

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

These instances we created.

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   Value - *optional*

🔍 MySQLDB   ✕   🔍 HarishNinaru   ✕   Remove

Add tag

You can add 49 more tags.

Created the VPC

Created the snapshot

Snapshots (1/1)

Owned by me ▼   🔍 Search

	Name ▽	Snapshot ID ▲	Size ▽	Description ▽	Storage... ▽	Snapshot status
☑	Harish_Ninaru	snap-0fe7f97745e7878db	8 GiB	Harish_snapshot	Standard	⊘ Completed

Recycle Bin   Actions ▼   **Create snapshot**

< 1 > ⚙

Snapshot ID: snap-0fe7f97745e7878db (Harish_Ninaru)

Details | Permissions | Storage tier | Tags

Snapshot ID
📋 snap-0fe7f97745e7878db
(Harish_Ninaru)

Size
📋 8 GiB

Progress
⊘ Available (100%)

Snapshot status
⊘ Completed

Owner
📋 368377248375

Volume ID
📋 vol-01d219a8141fd4a2a

Started
📋 Thu Oct 27 2022 16:35:47
GMT+0530 (India Standard Time)

Product codes
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