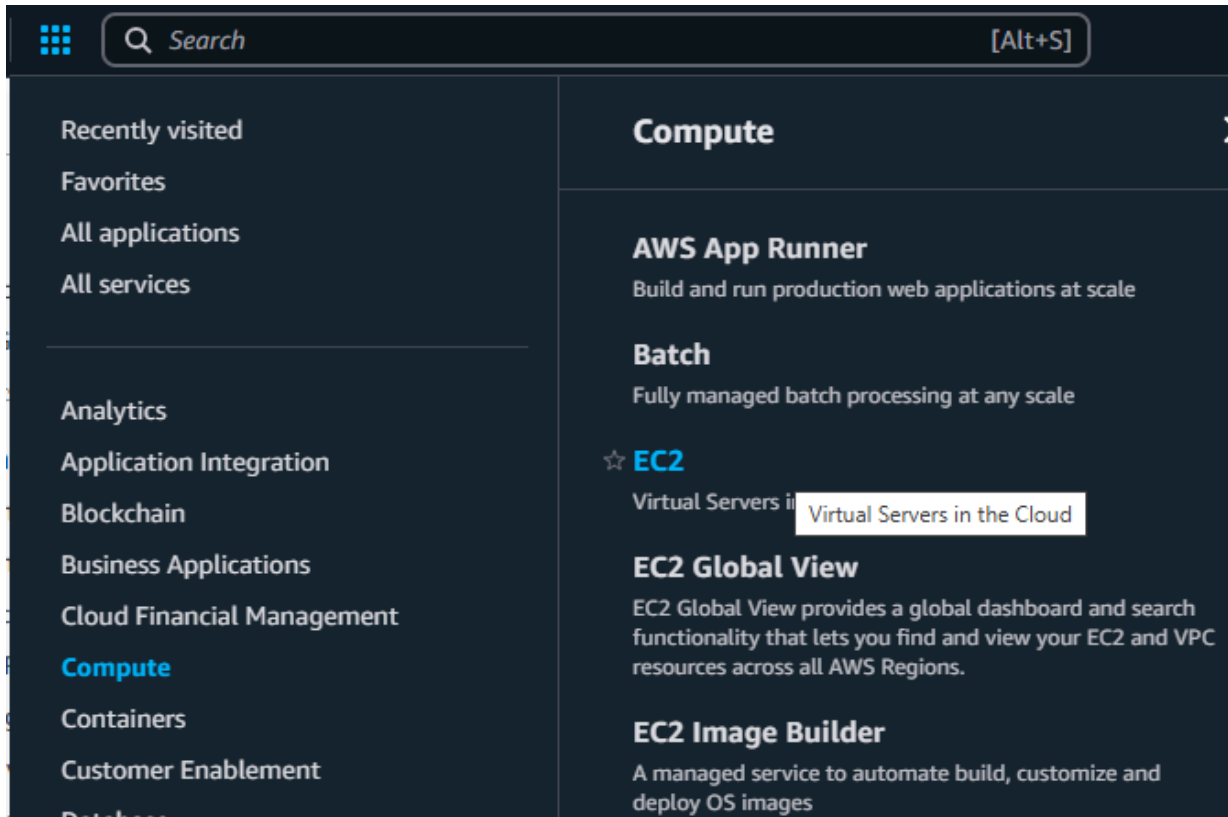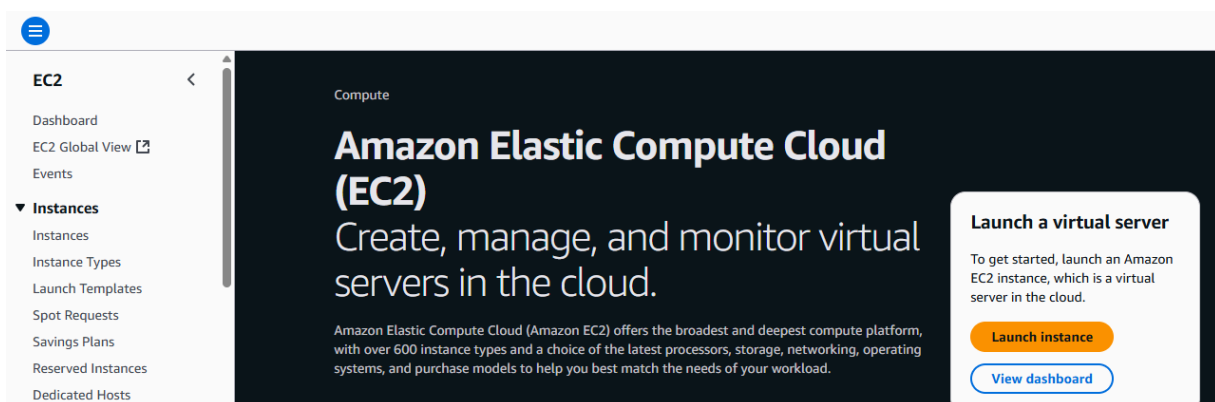# Create EC2 Instance

Login to your AWS Console account

Click on EC2

Click on Launch 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.

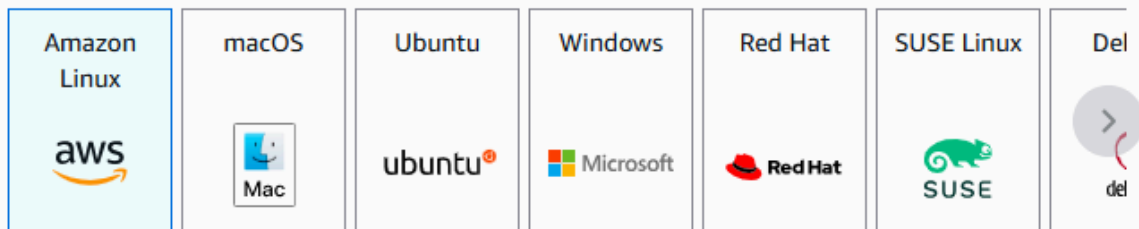### Name and tags Info

Name

sonamvm

Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

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

Recents   **Quick Start**

Amazon Linux	macOS	Ubuntu	Windows	Red Hat	SUSE Linux	Del
aws	Mac	ubuntu	Microsoft	Red Hat	SUSE	del

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI
ami-0e449927258d45bc4 (64-bit (x86), uefi-preferred) / ami-086a54924e40cab98 (64-bit (Arm), uefi)

Amazon Linux is selected By Default, let's go with that.

Go with Instance Type which is Configuration of your Machine

▼ Instance type Info | Get advice

Instance type

t2.micro   Free tier eligible
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

⚪ All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

Key Pair its combination or private and public key. When you create it will provide you private key using that you can
communicate with your instance using Local Machine.

If no key pair then create new key pair.

click on create key pair, and choose that pair for your instance.
when you create it will download key (.pem file) in your system. you can keep it secretly.

▼ Key pair (login) Info

You can use a key pair to securely connect to your instance. Ensure that you have access
launch the instance.

Key pair name - *required*

| sonamvmkey | ▼ |

Network Settings (setting up a firewall)
you can manage incoming and outgoing traffic.

▼ Network settings Info   Edit

Network | Info
vpc-00cac9736fe83a9ff

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

click on edit

▼ Network settings Info

VPC - *required* | Info

```
vpc-00cac9736fe83a9ff                          (default)  ▼     ↻
172.31.0.0/16
```

Subnet | Info

```
No preference                                          ▼     ↻   Create new subnet ⤢
```

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 |

Security group name - *required*

```
sonamvm-sg
```

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

```
sonamvm-sg created 2025-04-19T06:05:24.307Z
```

Inbound Security Group Rules

▼ Security group rule 1 (TCP, 22, 0.0.0.0/0)   [Remove]

Type | Info

```
ssh                           ▼
```

Protocol | Info

```
TCP
```

Port range | Info

```
22
```

Source type | Info

```
Anywhere                      ▼
```

Source | Info

```
🔍 Add CIDR, prefix list or security gr
```

Description - *optional* | Info

```
e.g. SSH for admin desktop
```

0.0.0.0/0 ✕

click on add another rule

▼ Security group rule 2 (TCP, 80, 0.0.0.0/0)   [Remove]

Type | Info

```
HTTP                          ▼
```

Protocol | Info

```
TCP
```

Port range | Info

```
80
```

Source type | Info

```
Anywhere                      ▼
```

Source | Info

```
🔍 Add CIDR, prefix list or security gr
```

Description - *optional* | Info

```
e.g. SSH for admin desktop
```

0.0.0.0/0 ✕

We can configure this later also so don't worry.

▼ 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.

Once all configuration done check the summary available in right side.

▼ Summary

Number of instances | Info

[1]

Software Image (AMI)
Amazon Linux 2023 AMI 2023.7.2…**read more**
ami-0e449927258d45bc4

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 GiB

If all ok then launch instance.

⌖ Launching instance
Creating security groups

27%

▶ **Details**

Please wait while we launch your instance.
Do not close your browser while this is loading.

⊘ Success
Successfully initiated launch of instance (i-0c5674f34ce6d879f)

click on instance ID and check instance status.

	Instance ID = i-0c5674f34ce6d879f ✕	Clear filters					‹ 1 ›
☐	**Name** ✎ ▽	**Instance ID**	**Instance state** ▽	**Instance type** ▽	**Status check**	**Alarm status**	
☐	sonamvm	i-0c5674f34ce6d879f	⊘ Running ⊕ ⊖	t2.micro	⊘ Initializing	View alarms +	

Using this instance you can make .your webpages live.
You need to pay as per the usage.

Once the instance use is complete terminate it (delete)

Instances (1/1) Info		Last updated less than a minute ago	⟳	Connect	Instance state ▲	Actions ▼

🔍 Find Instance by attribute or tag (case-sensitive)

Instance state = running ✕	Clear filters

Stop instance
Start instance
Reboot instance
Hibernate instance
Terminate (delete) instance

☑	**Name** ✎ ▽	**Instance ID**	**Instance state** ▽		ck
☑	sonamvm	i-0c5674f34ce6d879f	⊘ Running ⊕ ⊖		cks pa

terminate instance.
It will shut down and then later removed from your EC2 Dashboard.
Only instance is terminated so second time if you want to create
instance use same security group and same key value pair and create it.