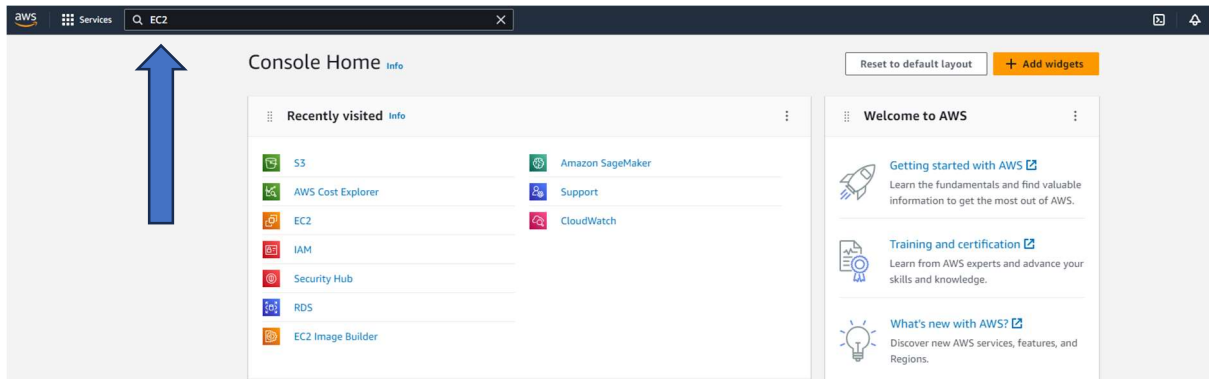
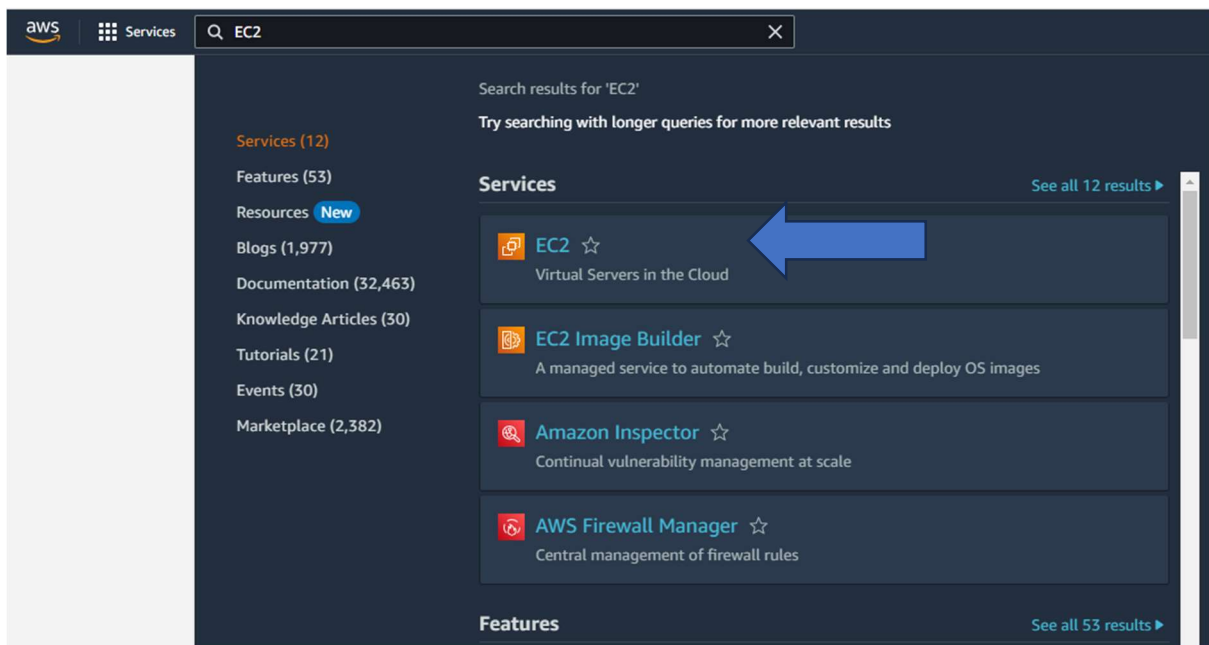


AWS Step 5: How to create EC2 instance

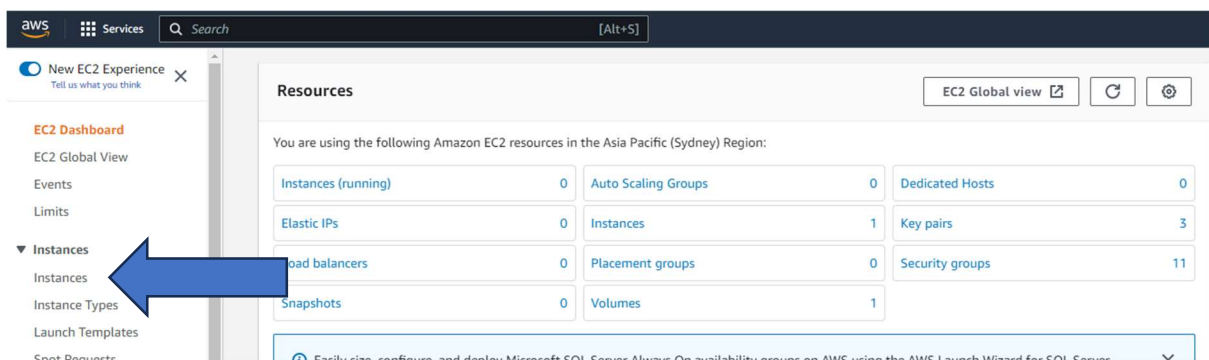
Type “EC2” on the AWS console home.



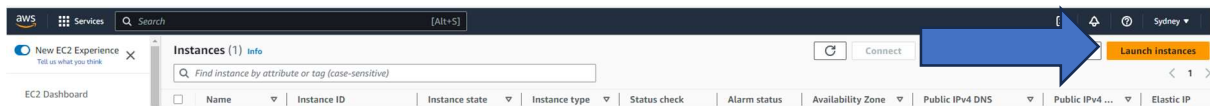
Select “EC2”



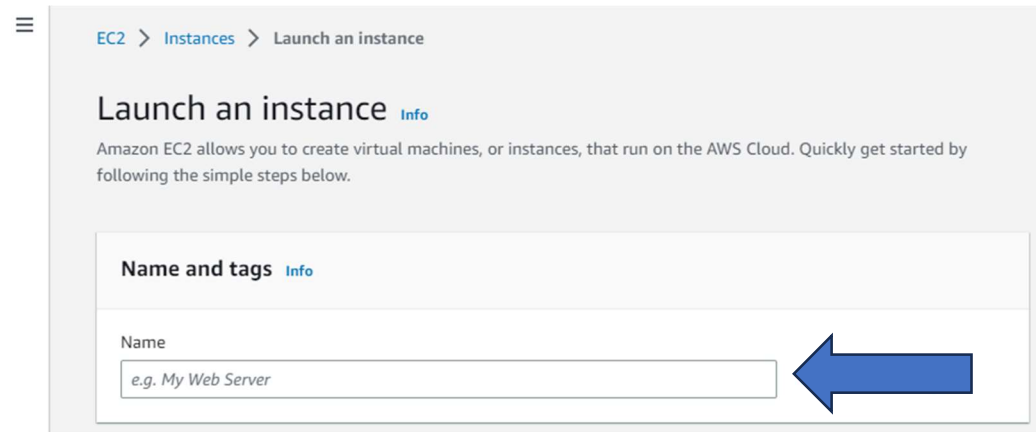
Click “Instances” under instances



Click “Launch instances”



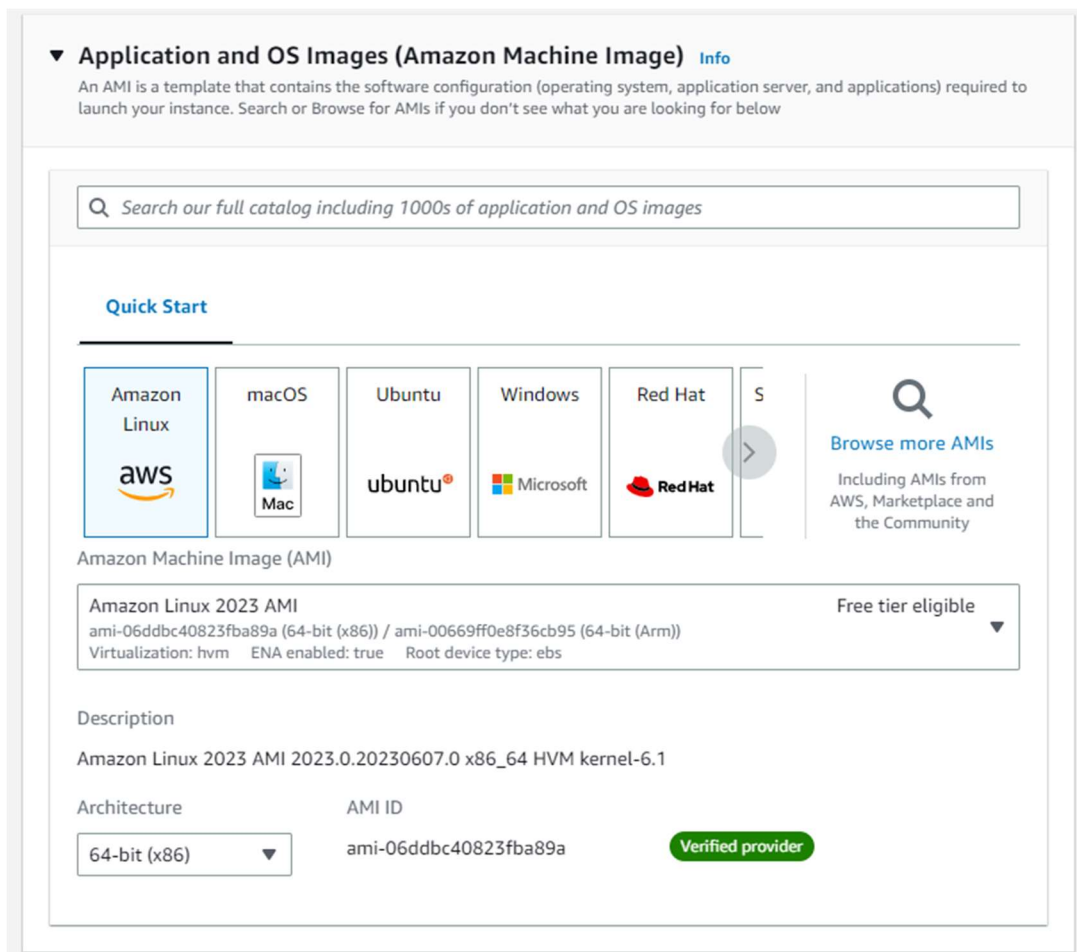
Type EC2 server name (any name is fine)



Select OS for the server:

*The cmd will be different for each OS. For example, windows do not have “sudo”.

In this guide, select Amazon Linux.



Select instance type (t2.micro is free for free tier)

▼ Instance type [Info](#)

Instance type

t2.micro Free tier eligible

Family: t2 1 vCPU 1 GiB Memory Current generation: true

On-Demand Linux pricing: 0.0146 USD per Hour

On-Demand Windows pricing: 0.0192 USD per Hour

On-Demand SUSE pricing: 0.0146 USD per Hour

On-Demand RHEL pricing: 0.0746 USD per Hour

☐ All generations


[Compare instance types](#)

Click **"Generate new key pair"** (This step is important)

▼ 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](#)


Fill out the key pair name (any name is fine), and select RSA and ".pem"
pem files are for Linux and Mac, but it works on Windows.

Click **"Create key pair"** and save the .pem file on LOCAL PC. (DO NOT SHARE as it is a secret key)

Create key pair ×

Key pair name

Key pairs allow you to connect to your instance securely.


Enter key pair name 

The name can include upto 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

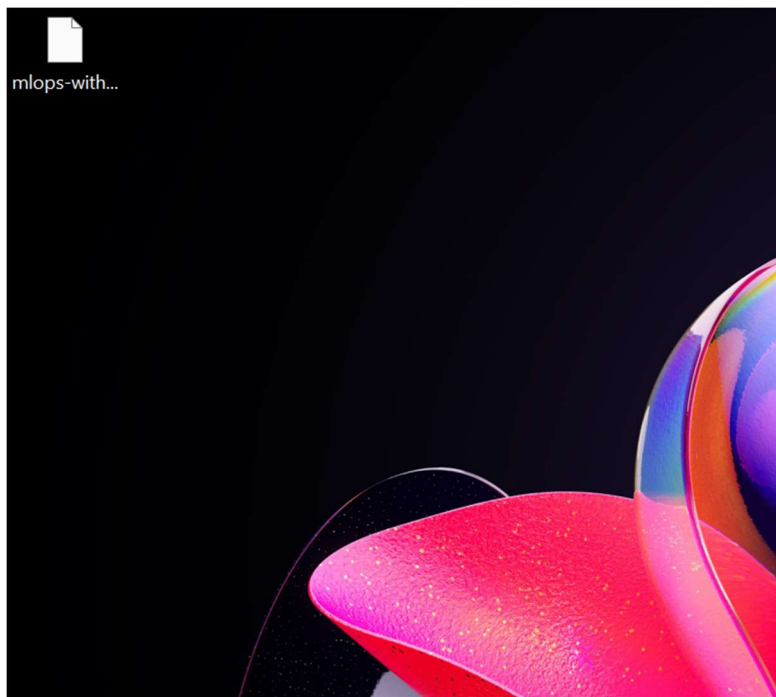


 When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. [more](#)



Cancel [Create key pair](#)

Saved pem file on Desktop (later showing how to run)



Click “Edit” in the Network settings

A screenshot of the AWS Management Console's 'Network settings' page. At the top, there is a header bar with a dropdown arrow, the text 'Network settings', and an 'Info' link. To the right of this header is a blue arrow pointing to an 'Edit' button. The main content area shows the following settings: 'Network' (vpc-0efa53cb64e3806e4), 'Subnet' (No preference), and 'Auto-assign public IP' (Enable). Under the 'Firewall (security groups)' section, the 'Create security group' option is selected. Below this, it states that a new security group named 'launch-wizard-5' will be created with the following rules: 'Allow SSH traffic from Anywhere (0.0.0.0/0)', 'Allow HTTPS traffic from the internet', and 'Allow HTTP traffic from the internet'. A warning box at the bottom states: '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.' with a close button (X).

Click “Add security group rule”

Description - *required* [Info](#)


launch-wizard-5 created 2023-06-09T05:28:20.078Z

Inbound security groups rules

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

Type Info	Protocol Info	Port range Info
ssh ▼	TCP	22
Source type Info	Source Info	Description - <i>optional</i> Info
Anywhere ▼	<input type="text" value="Add CIDR, prefix list or security"/> 0.0.0.0/0 ✕	<input type="text" value="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 

Create a new security group

Type: Custom TCP

Port: 5000 (for MLFlow)

Source Type: Anywhere (0.0.0.0)

▼ Security group rule 2 (TCP, 5000, 0.0.0.0/0) Remove

Type Info	Protocol Info	Port range Info
Custom TCP ▼	TCP	5000
Source type Info	Source Info	Description - <i>optional</i> Info
Anywhere ▼	<input type="text" value="Add CIDR, prefix list or security"/> 0.0.0.0/0 ✕	<input type="text" value="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. ✕

Click “Launch instance”


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

1x GiB Root volume (Not encrypted)

Add new volume

0 x File systems Edit

► **Advanced details** [Info](#)

 Launch instance Review commands

instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.