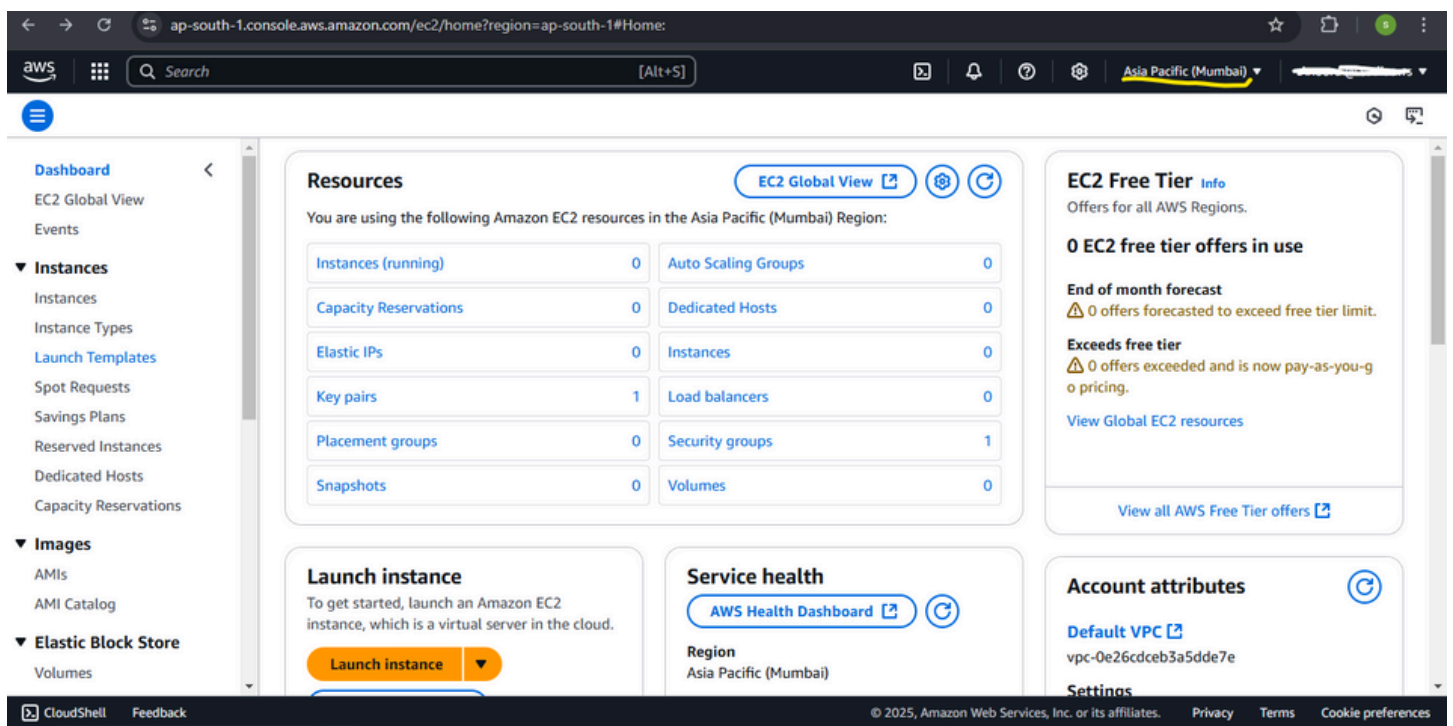# Steps to launch an EC2 instance in AWS:

1. Log in to AWS Management Console

- Go to [AWS Console](#).
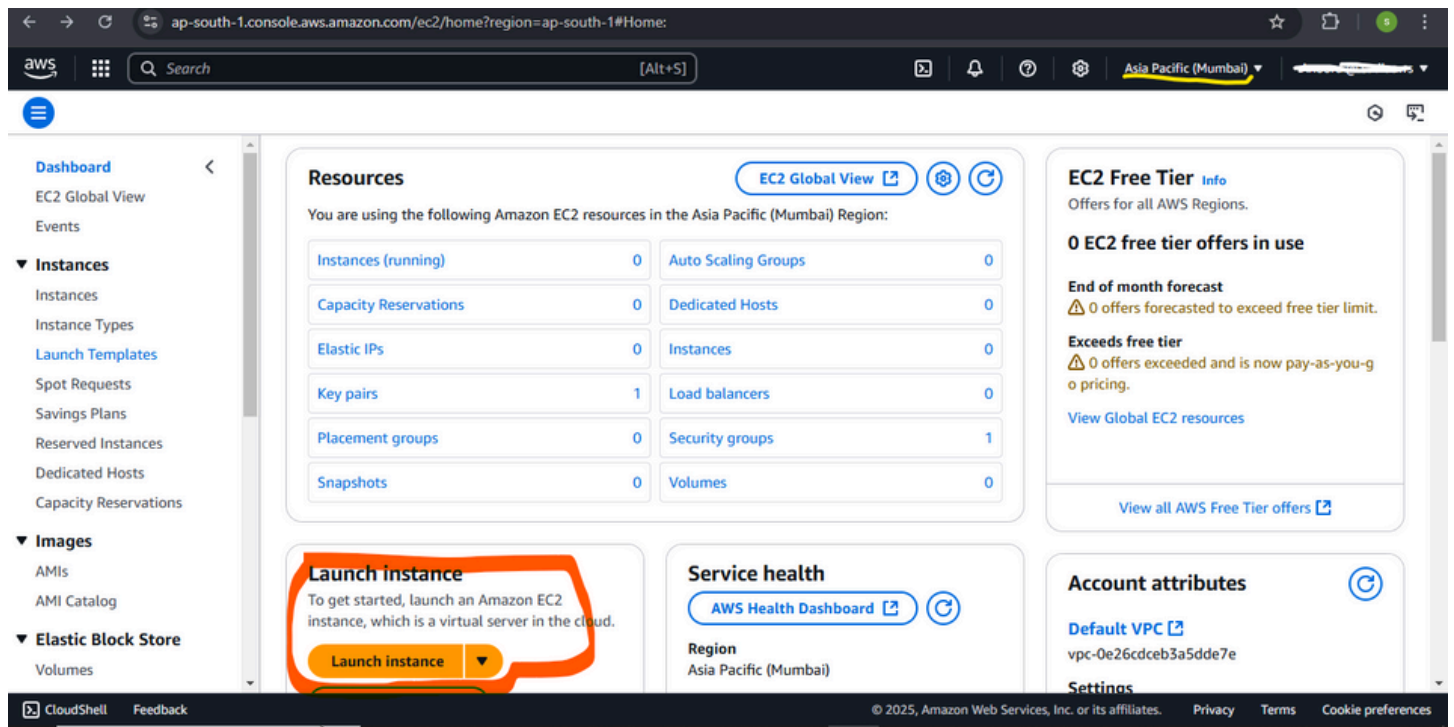- Sign in with your credentials.

2. Navigate to EC2 Service

- In the AWS Console, search for **EC2** in the search bar.
- Click on **EC2** to open the EC2 Dashboard.

Click "Launch Instance"

- In the EC2 Dashboard, click **Launch Instance** to start the instance creation process.

4. Configure Instance Details

- **Name**: Provide a meaningful name for your instance. (for example I am giving Name as ==mydemoserver)==
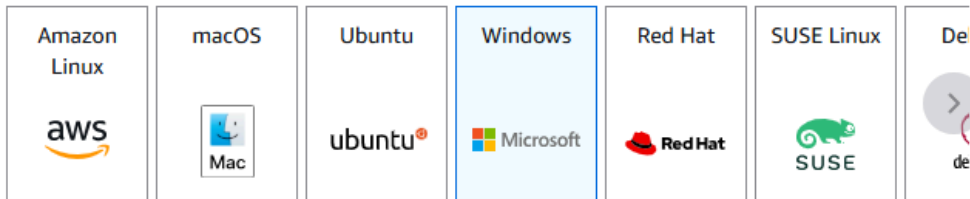

-
- **Amazon Machine Image (AMI)**: Choose an OS (e.g., Amazon Linux, Ubuntu, Windows).

For example I am selecting

==Microsoft Windows Server 2022 Full Locale English AMI provided by Amazon (Use only free -tier eligible)==

Recents | **Quick Start**

Amazon Linux	macOS	Ubuntu	Windows	Red Hat	SUSE Linux	De
aws	Mac	ubuntu®	Microsoft	Red Hat	SUSE	de

🔍 **Browse more AMIs**
Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Microsoft Windows Server 2022 Base   Free tier eligible
ami-02676461ac0a6ae2e (64-bit (x86))
Virtualization: hvm   ENA enabled: true   Root device type: ebs   ▼

Description

Microsoft Windows 2022 Datacenter edition. [English]

Microsoft Windows Server 2022 Full Locale English AMI provided by Amazon

Architecture	**AMI ID**	**Username**	
64-bit (x86)	ami-02676461ac0a6ae2e	root	Verified provider

-
- **Instance Type**: Select the required vCPU & RAM (e.g., t2.micro for free tier).

▼ **Instance type** Info | Get advice

Instance type

t2.micro   Free tier eligible
Family: t2   1 vCPU   1 GiB Memory   Current generation: true
On-Demand Linux base pricing: 0.0124 USD per Hour
On-Demand Windows base pricing: 0.017 USD per Hour
On-Demand RHEL base pricing: 0.0268 USD per Hour
On-Demand Ubuntu Pro base pricing: 0.0142 USD per Hour
On-Demand SUSE base pricing: 0.0124 USD per Hour   ▼

⚪ All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

-
- **Key Pair**: Create or select an existing key pair for SSH access.
- Click on Create new Key pair

▼ **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**

For Windows instances, you use a key pair to decrypt the administrator password. You then use the decrypted password to connect to your instance.
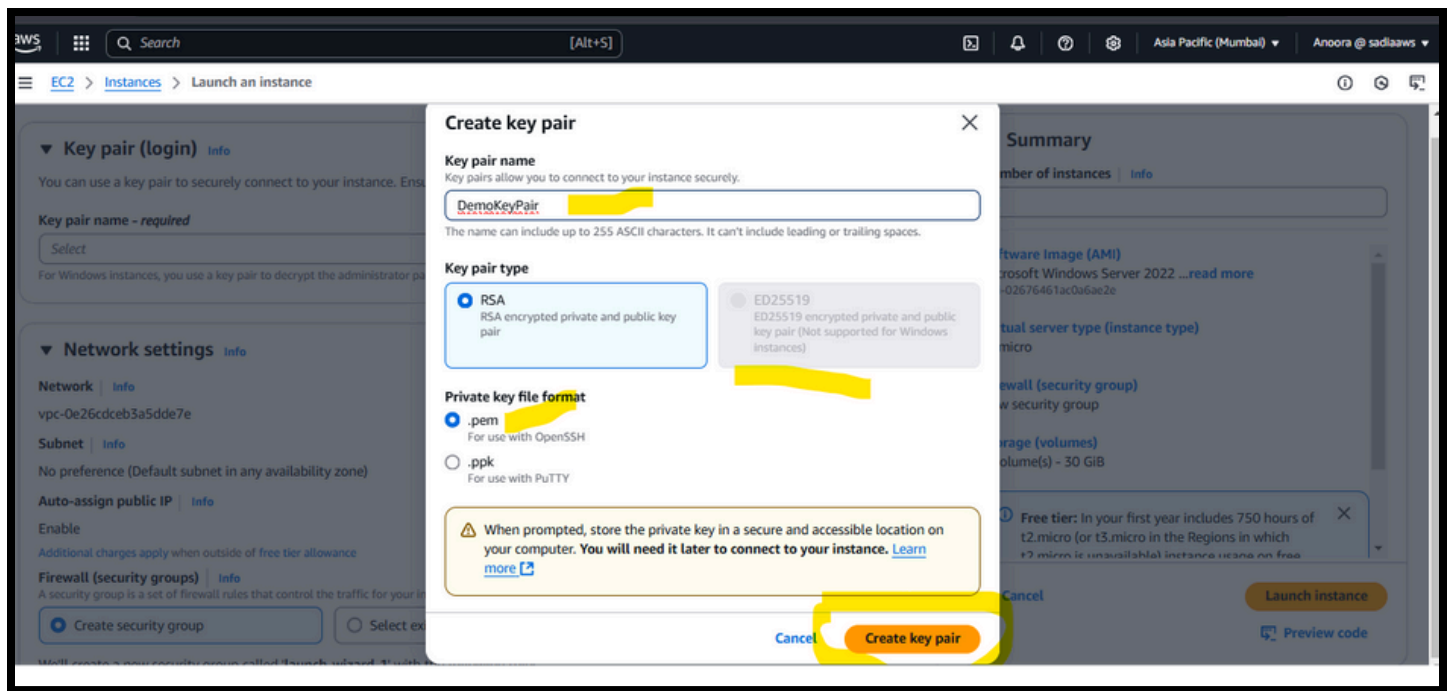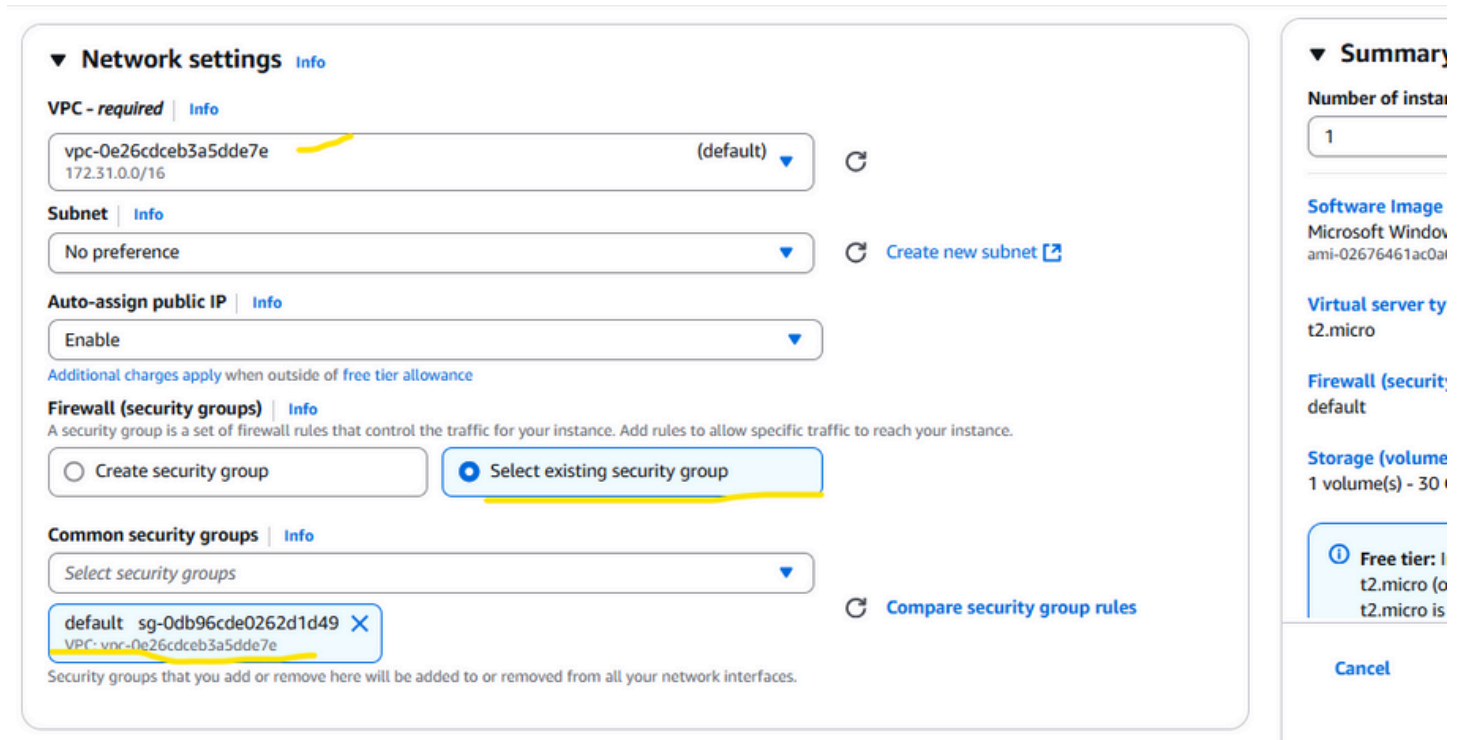
Note : for Windows Machine ED25519ED25519 encrypted private and public key pair (Not supported for Windows instances)

.Pem file will be download automatically keep it save (This file is access Key for ur login)

- **Network Settings**: Configure security groups and assign public IP if needed.

As of now select all default as of now

-
- **Storage**: Choose EBS volume size and type.

Configure storage Info

Advanced

1x [30] GiB [gp2 ▼] Root volume (Not encrypted)

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

[Add new volume]

The selected AMI contains more instance store volumes than the instance allows. Only the first 0 instance store volumes from the AMI will be accessible from the instance

🕐 **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

Edit

●

Click on launch Instance

✅ **Success**
   Successfully initiated launch of instance (i-0a4b52719fecb946b)

▶ **Launch log**

Instances (1) Info

Last updated
less than a minute ago

Connect | Instance state ▼ | Actions ▼ | **Launch instances** ▼

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

All states ▼

‹ **1** › ⚙

	Name ✏	▽	Instance ID		Instance state	▽	Instance type	▽	Status check	Alarm status	Availability Zone	▽	Public IP
☐	mydemoserver		i-0a4b52719fecb946b		⊘ Running 🔍 🔍		t2.micro		⊘ 2/2 checks passed	View alarms ✛	ap-south-1b		ec2-43-2