

Step 1: Launch an EC2 Instance

1. Log in to AWS Management Console:

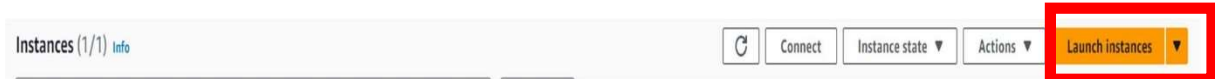
- Go to the AWS Management Console at <https://aws.amazon.com/console/>
- Sign in with your AWS credentials.

2. Navigate to EC2 Dashboard:

- In the AWS Management Console, type "EC2" in the search bar and select EC2 to navigate to the EC2 Dashboard.

3. Launch an Instance:

- Click on the "Launch Instance" button.



- Choose an Amazon Machine Image (AMI): Select "Ubuntu Server 20.04 LTS (HVM), SSD Volume Type".

▼ 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

Recents | My AMIs | Quick Start



Amazon Machine Image (AMI)

Ubuntu Server 24.04 LTS (HVM), SSD Volume Type Free tier eligible ▼
ami-04a81a99f5ec58529 (64-bit (x86)) / ami-0c14ff330901e49ff (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs

- Choose an Instance Type: Select t2.micro (eligible for the free tier).

▼ **Instance type** [Info](#) | [Get advice](#)

Instance type

t2.micro

Family: t2 1 vCPU 1 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.0162 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

Free tier eligible

☐ All generations
[Compare instance types](#)

Additional costs apply for AMIs with pre-installed software

- Configure Instance:
 - Select an existing key pair or create a new one.
 - Network: Choose the default VPC.
 - Subnet: Choose a subnet in the US-East-1 (N. Virginia) region.
 - Enable Auto-assign Public IP.

▼ **Network settings** [Info](#)

Edit

Network [Info](#)

vpc-01f4dd0a574fc4267

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

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-2' 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

☒ Allow HTTP traffic from the internet

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

- Add Storage: Keep the default settings.
- Add Tags: Add a tag to identify your instance (e.g., Key: Name, Value: Nginx).

4. **Review and Launch:**
- Review your instance settings and click "Launch".

▼ Summary

Number of instances

Info

1

Software Image (AMI)

Canonical, Ubuntu, 24.04 LTS, ...[read more](#)

ami-04a81a99f5ec58529

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

❗ Free tier: In your first year includes

750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 750 hours of public IPv4 address usage per month, 30 GiB of EBS storage, 2 million IOs, 1 GB of snapshots, and 100 GB of bandwidth to the internet.

✕

Cancel

Launch instance

<input checked="" type="checkbox"/>	Name ↗	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS	Public IPv4 ...	Elastic IP
<input checked="" type="checkbox"/>	Ngix	i-0c00a91976ab448ec	Running 🔍	t2.micro	2/2 checks passed	View alarms	us-east-1b	ec2-3-87-207-51.comp...	3.87.207.51	-

Step 2: Create an EFS File System

1. **Open the EFS Console:**
 - Navigate to the [EFS Console](#).
2. **Create a New File System:**
 - Click "Create file system."

Create file system

Create an EFS file system with recommended settings. [Learn more](#)

Name - optional
Name your file system.

EFS

Name can include letters, numbers, and +-=,./ symbols, up to 256 characters.

Virtual Private Cloud (VPC)
Choose the VPC where you want EC2 instances to connect to your file system.

vpc-08353169c00d0d030
default

Cancel Customize Create

- Select the VPC and subnets where your EC2 instances are located.
 - Click "Create."
3. **Create Security Group:**
 - Choose the security groups that allow NFS traffic (port 2049).

Inbound rules (2)

Manage tags

Edit inbound rules

Search

<

1

>

<input type="checkbox"/>	Name	Security group rule...	IP version	Type	Protocol	Port range
<input type="checkbox"/>	-	sgr-09b7462a776526...	IPv4	SSH	TCP	22
<input type="checkbox"/>	-	sgr-0abd3943a57432...	IPv4	NFS	TCP	2049

Step 3: Connect to Your Instance

1. **Connect to the EC2 Instance:**

- In the EC2 Dashboard, select your instance.
- Click on "Connect" and follow the instructions to connect to your instance using SSH.

Step 4: Install EFS Utilities

1. Update the Package List:

```
sudo apt-get update
```

2. Install the EFS Mount Helper:

- First, install the necessary dependencies:

```
sudo apt-get install -y nfs-common
```

- Then, install the EFS mount helper:

```
sudo apt-get install -y amazon-efs-utils
```

Step 5: Mount the EFS File System

1. Create Mount Point:

```
sudo mkdir /mnt/efs
```

2. mount using the file system DNS name::

```
sudo mount -t efs -o tls file-system-dns-name efs-mount-point/
```

```
sudo mount -t efs -o tls fs-0a137bc31c19bad5b.efs.us-east-1.amazonaws.com /mnt/efs/
```

3. Verify the Mount

```
df -h
```