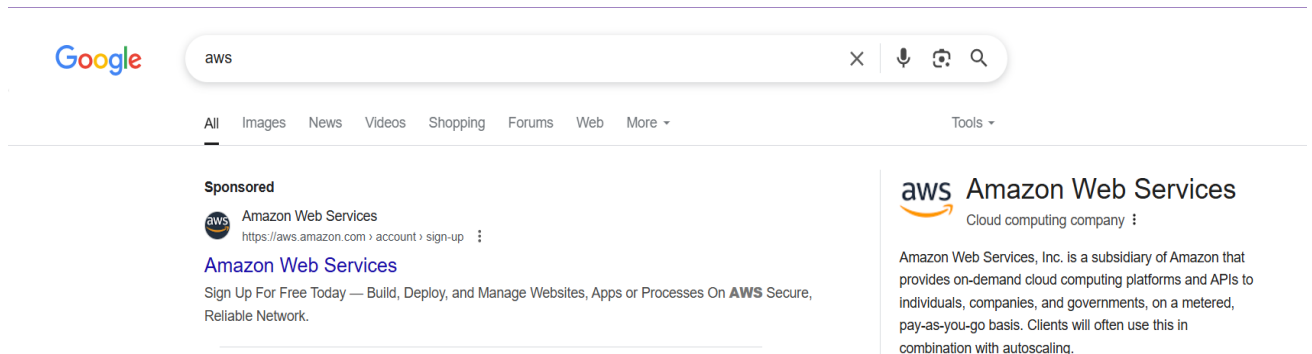


Amazon Web Services (AWS) Account Creation

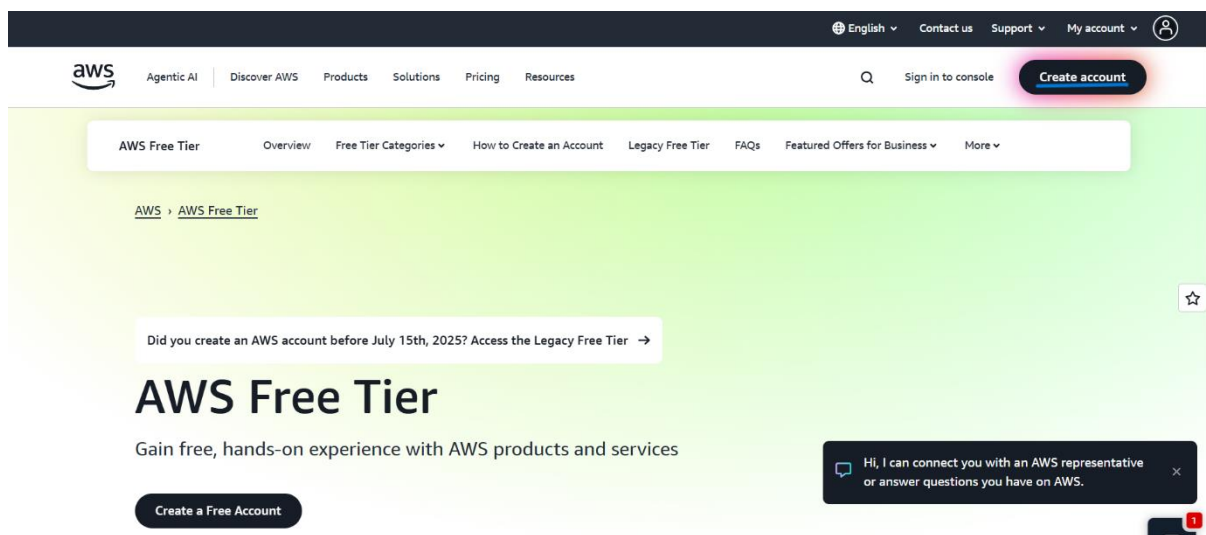
1. Open Google Chrome (or any browser).



- Visit the AWS official website: <https://aws.amazon.com/> or search for AWS.
- You will reach the **AWS homepage**.

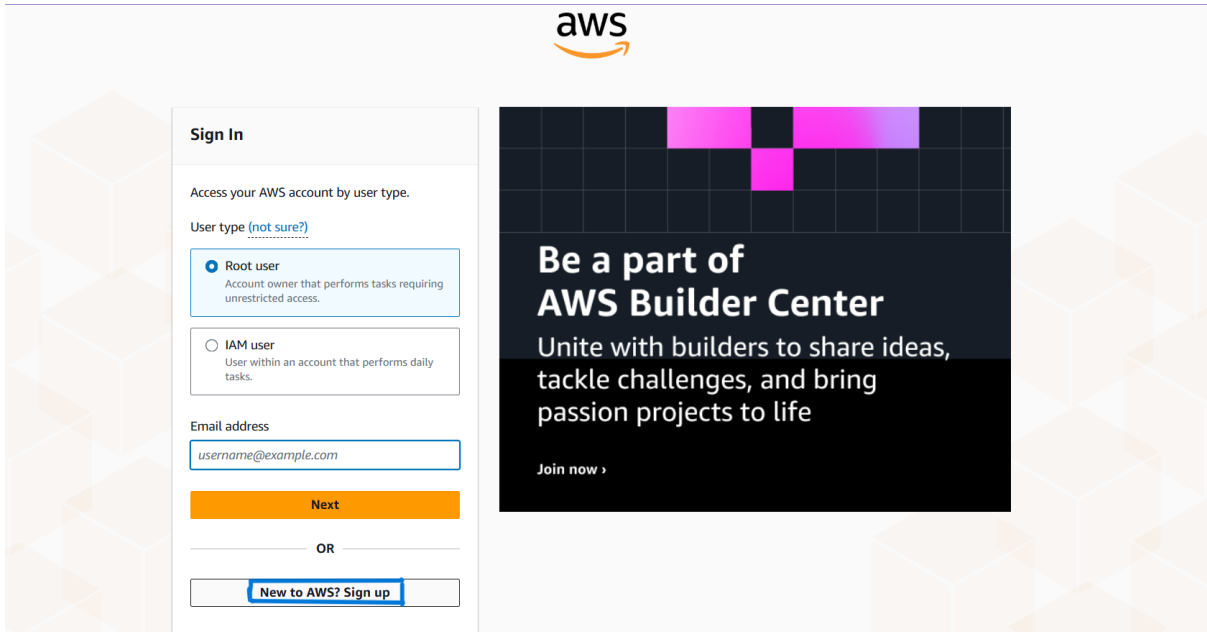
2. Click Create Account

- On the AWS home page, click **Create an AWS Account**.



3. Create a New AWS Account

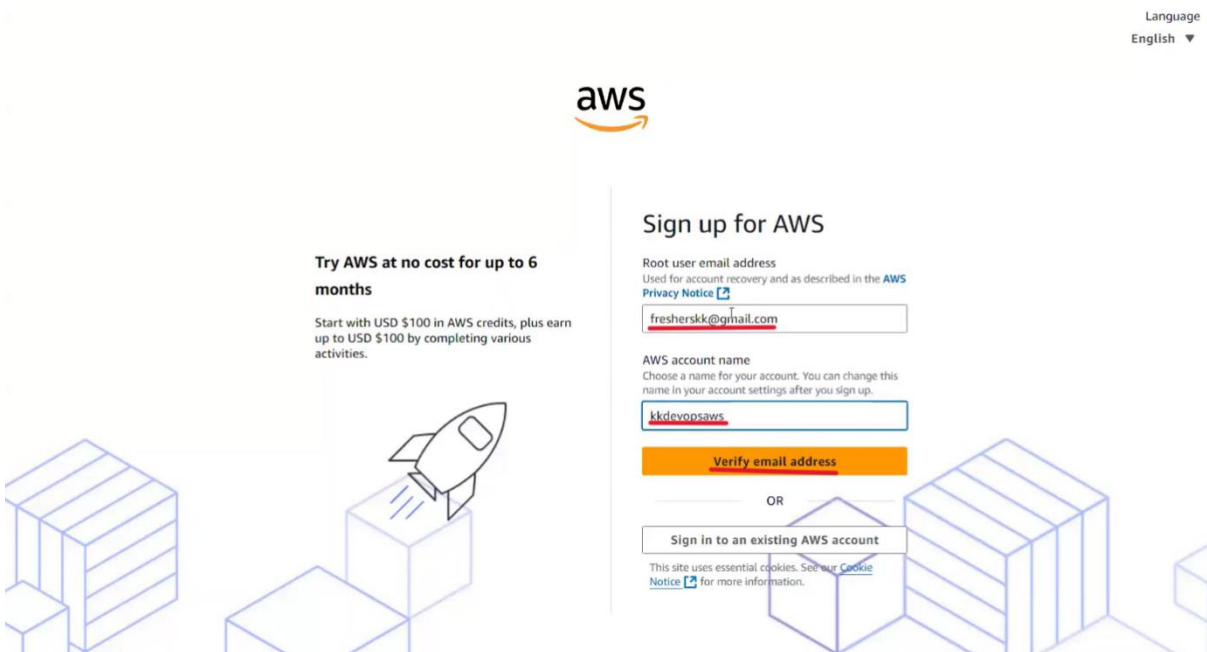
- On the homepage, click “Create a new AWS account”. Or, if you see “New to AWS? Sign up”, click that.



The screenshot shows the AWS homepage. At the top center is the AWS logo. On the left, there is a 'Sign In' section with the text 'Access your AWS account by user type.' and 'User type [\(not sure?\)](#)'. Below this are two radio button options: 'Root user' (selected) with the description 'Account owner that performs tasks requiring unrestricted access.', and 'IAM user' with the description 'User within an account that performs daily tasks.' Below these is an 'Email address' field containing 'username@example.com' and a 'Next' button. Below the 'Next' button is an 'OR' separator and a 'New to AWS? Sign up' button. On the right, there is a large black banner with the text 'Be a part of AWS Builder Center' and 'Unite with builders to share ideas, tackle challenges, and bring passion projects to life'. At the bottom of the banner is a 'Join now >' link.

4. Enter Email & Account Name

- Provide a valid **Email address** and a unique **Account name** (any name you like)



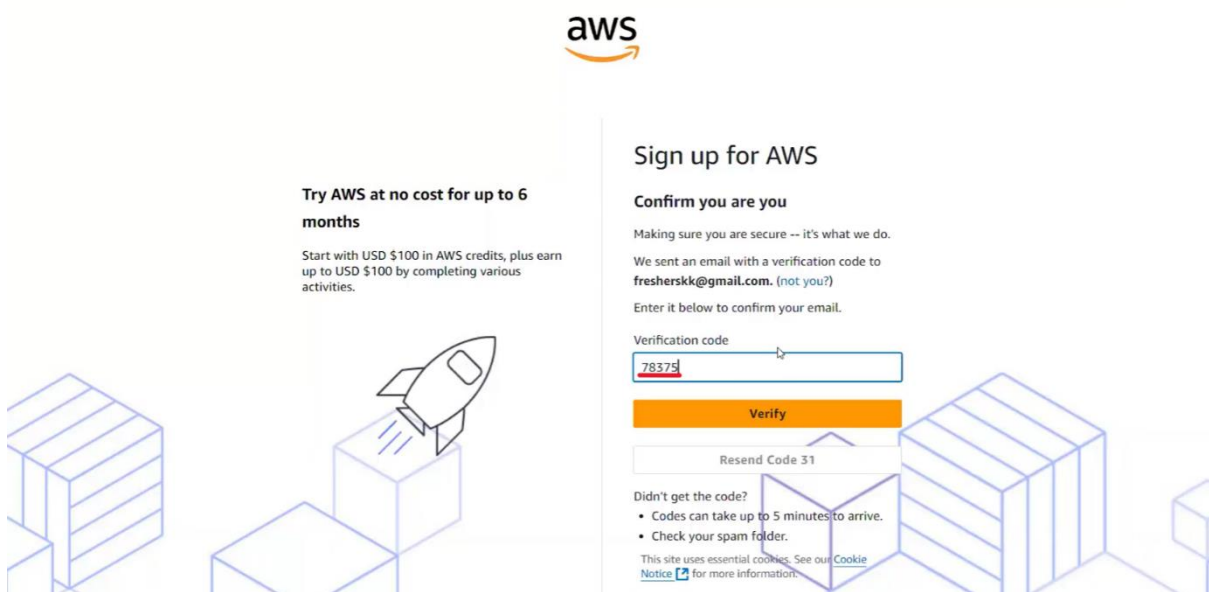
The screenshot shows the 'Sign up for AWS' page. At the top right, there is a 'Language' dropdown menu set to 'English'. The main heading is 'Sign up for AWS'. Below this is the 'Root user email address' section, which includes the text 'Used for account recovery and as described in the [AWS Privacy Notice](#)' and a text input field containing 'fresherskk@gmail.com'. Below this is the 'AWS account name' section, which includes the text 'Choose a name for your account. You can change this name in your account settings after you sign up.' and a text input field containing 'kkdevopsaws'. Below these fields is a 'Verify email address' button. Below the button is an 'OR' separator and a 'Sign in to an existing AWS account' button. At the bottom, there is a link to the 'Cookie Notice'.

- Click “Verify email address”.
- AWS will send a **verification code** to your email.

5. Email Verification

- Go to your **Gmail inbox**, copy the **verification code**.

Language
English ▼



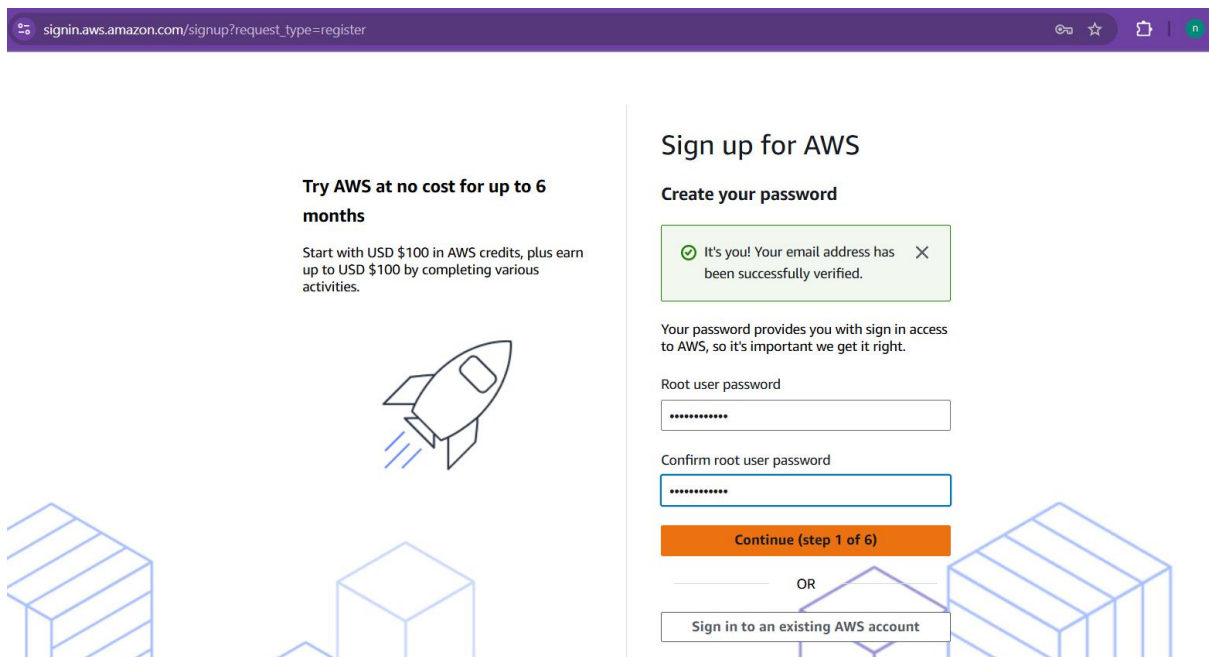
The screenshot shows the AWS sign-up page. On the left, there's a promotional banner for "Try AWS at no cost for up to 6 months" with a rocket icon. The main heading is "Sign up for AWS". Below it, the section "Confirm you are you" explains that a verification code was sent to the email "fresherskk@gmail.com". A text input field contains the code "78379". Below the input field is an orange "Verify" button and a "Resend Code 31" link. At the bottom, there's a "Didn't get the code?" section with instructions and a "Cookie Notice" link.

- Paste the code in the box and click **“Verify”**.

6. Set Root User Password

1. Root User Password

- Enter a strong password
- Confirm the password.



The screenshot shows the AWS sign-up page at the "Create your password" step. The URL in the browser is "signin.aws.amazon.com/signup?request_type=register". A green success message states: "It's you! Your email address has been successfully verified." Below this, a message explains that the password provides sign-in access to AWS. There are two password input fields: "Root user password" and "Confirm root user password", both containing masked characters. An orange "Continue (step 1 of 6)" button is below the fields. At the bottom, there's an "OR" section with a "Sign in to an existing AWS account" button.

Choose Your Account Plan

You have **two options**:

Free (6 months) – Best for learning & practice

This plan is ideal for **students, beginners, and practice purposes**.

- You will receive **up to \$200 AWS credits** to use selected AWS services.
- Many AWS services are available **free within specific limits**, such as EC2, S3, and others.
- You can **learn, practice, and build small projects** without paying any money.
- No charges will be applied as long as you stay within the free usage limits and credits.


Important Note:

- After **6 months**, or if the **credits are fully used**, the account will **automatically close** unless you upgrade to a paid plan.
- To continue using AWS services after that, you must switch to the **Paid Plan**.

portal.aws.amazon.com/billing/signup?type=register#/accountplan

Sign up for AWS

Choose your account plan




Free (6 months)

Learn, experiment, and build prototypes

- ✓ Receive up to \$200 in credits
- ✓ Includes free usage of select services
- ✗ Workloads scale beyond credit thresholds
- ✗ Access to all AWS services and features

ⓘ After the 6 month free period or when all credits are used, you can choose to upgrade to a paid plan. Otherwise, your account closes automatically.

Choose free plan



Paid

Develop production-ready workloads

- ✓ Receive up to \$200 in credits
- ✓ Includes free usage of select services
- ✓ Workloads scale beyond credit thresholds
- ✓ Access to all AWS services and features

ⓘ After all of your credits are used, you are charged using pay-as-you-go pricing.

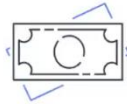
Choose paid plan

2. Account Information

- Enter your **Full name**.
- Enter your **Phone number**.

Earn additional AWS credits

Complete various activities to earn up to an additional USD \$100 in credits, such as creating your first AWS budget to monitor cloud costs.



Contact Information

Full Name

Organization name - optional

Country Code Phone Number

Country or Region

Address line 1

Address line 2 - optional

City

State, Province, or Region

Postal Code

Customers with an Indian contact address are served by Amazon Web Services India Private Limited, the local seller for AWS services in India.

☒ I have read and agree to the terms of the [AWS Customer Agreement](#).

- Enter your **Country/Region, Address, City, State, Postal code**.
- Agree to the terms.

3. Payment Information

AWS requires a **payment method** for **identity verification**.

You will **not be charged** if you stay within the **Free Tier limits**.

AWS supports:

- **UPI AutoPay (India)**
- **Credit / Debit Card**

Option 1: Payment Using UPI (Recommended for India)

UPI AutoPay Setup

- Select **UPI AutoPay** as the payment method.
- You must **enable AutoPay** during setup.



Why is this required?
Our verification process holds USD \$1 (or equivalent) for 3-5 days to verify your account and prevent fraud.
For the free plan, no charges occur until upgrade to a paid plan. Providing your billing information now enables a seamless upgrade to a paid plan.



Sign up for AWS

Billing Information

Billing country
Your billing country determines the payment methods available to you to pay for AWS services.

India ▼

Payment method type

- ☒ **UPI AutoPay**
Set up automatic payments using Unified Payments Interface (UPI).
- ☐ **Credit or debit card**
AWS accepts all major credit and debit cards.

UPI AutoPay information

Use your preferred UPI app to setup automatic payments. You can cancel AutoPay at any time. [Learn more](#)

Automatic payment limit
₹15,000

UPI ID

Enter your UPI ID

- **Automatic Payment Limit**
- AWS sets an **AutoPay limit of ₹15,000**.
- This **does NOT** mean AWS will charge ₹15,000 immediately.
- This is only the **maximum allowed limit** if you later use paid services.

For the free plan, no charges occur until upgrade to a paid plan. Providing your billing information now enables a seamless upgrade to a paid plan.



Payment method type

- ☒ **UPI AutoPay**
Set up automatic payments using Unified Payments Interface (UPI).
- ☐ **Credit or debit card**
AWS accepts all major credit and debit cards.

UPI AutoPay information

Use your preferred UPI app to setup automatic payments. You can cancel AutoPay at any time. [Learn more](#)

Automatic payment limit
₹15,000

UPI ID

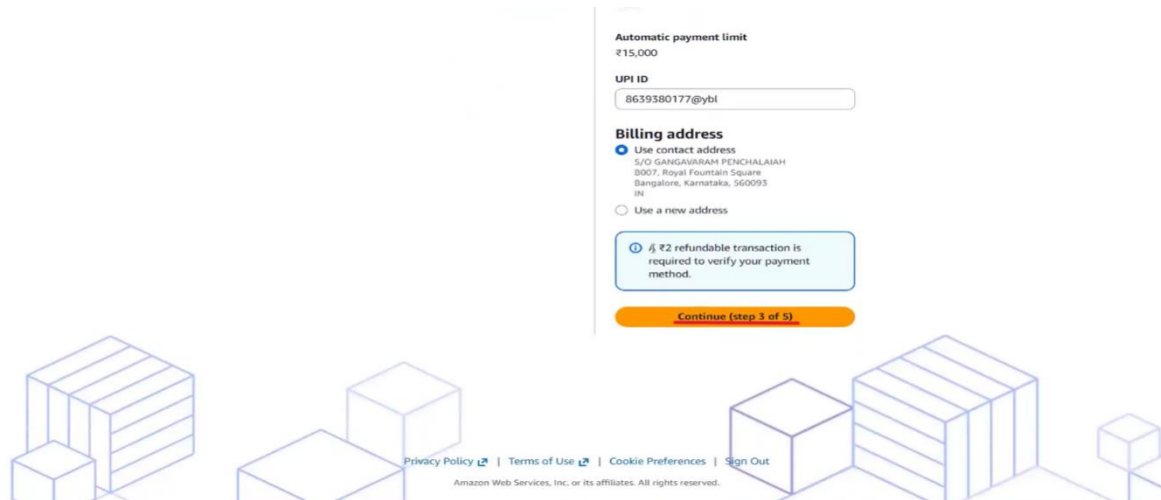
8639380177@ybl

Billing address

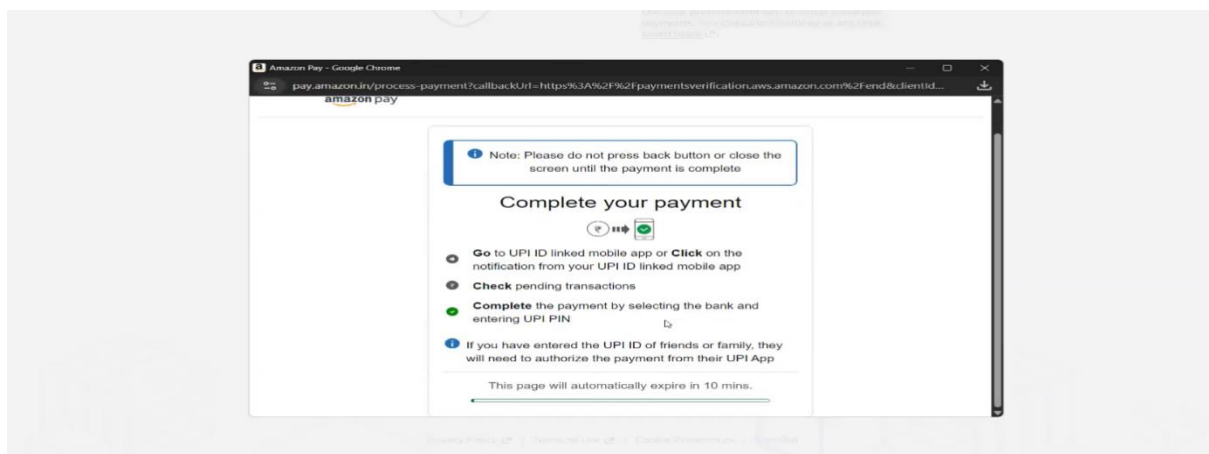
- ☒ **Use contact address**
S/O GANAGANATH PETHALAJAH
8007, Royal Fountain Square
Bangalore, Karnataka, 560093
IN
- ☐ **Use a new address**

A ₹2 refundable transaction is required to verify your payment method.

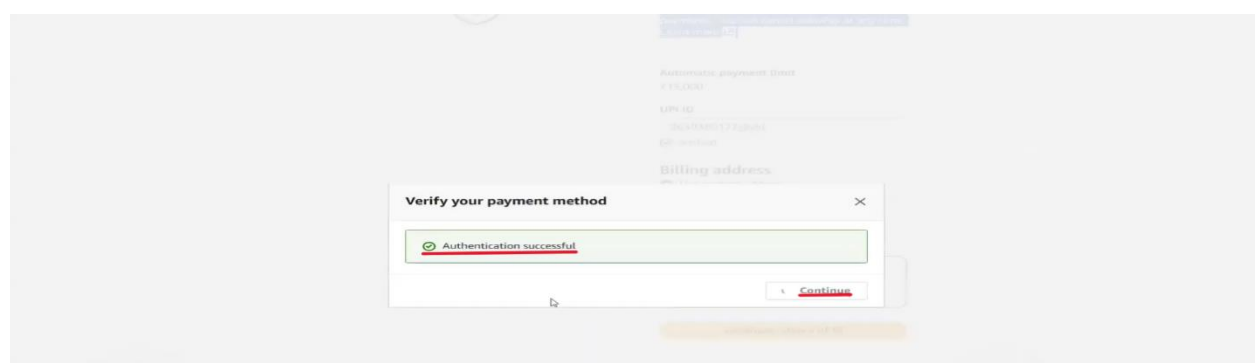
- Select **Use contact address** (recommended).



- A new **Amazon Pay** window will open.
- You will see the message “**Complete your payment**”.

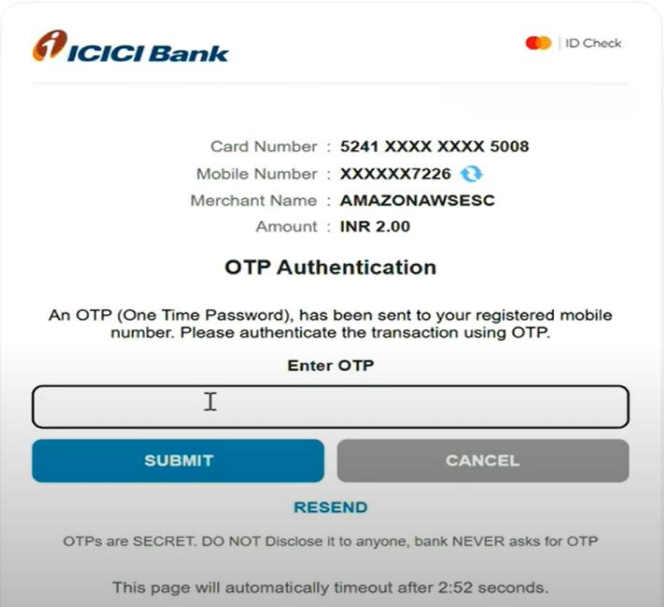


- Open your **UPI app** (Google Pay / PhonePe / Paytm / BHIM).
- Check for a **pending request / notification**.
- Approve the request by:
- Selecting your **bank**
- Entering your **UPI PIN**
- **Do not refresh, go back, or close the browser** until payment completes.



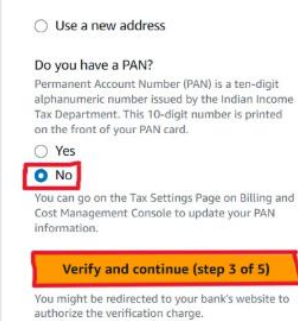
Option 2: Payment Using Credit / Debit Card

Important Note (India Users)



The image shows a mobile app screen for ICICI Bank's OTP authentication. At the top, the ICICI Bank logo and a Mastercard logo with 'ID Check' are visible. The screen displays transaction details: Card Number (5241 XXXX XXXX 5008), Mobile Number (XXXXXX7226), Merchant Name (AMAZONAWSESC), and Amount (INR 2.00). Below this, the heading 'OTP Authentication' is followed by a message: 'An OTP (One Time Password), has been sent to your registered mobile number. Please authenticate the transaction using OTP.' There is an input field labeled 'Enter OTP' with a cursor. Below the input field are two buttons: 'SUBMIT' (blue) and 'CANCEL' (grey). A 'RESEND' link is also present. At the bottom, there is a disclaimer: 'OTPs are SECRET. DO NOT Disclose it to anyone, bank NEVER asks for OTP' and a timeout notice: 'This page will automatically timeout after 2:52 seconds.'

- Make sure **International Transactions are enabled** on your card.
- Otherwise, payment verification may fail.
- **Enter Card Details**
- AWS will place a **small temporary charge (\$1 or ₹2 INR)** → this will be **refunded automatically**.
- **About PAN Card (for India users):**
- AWS sometimes asks whether you have a **PAN (Permanent Account Number)**.
- If you don't want to add it now, select **No** and continue. You can add it later.



The image shows a screen asking 'Do you have a PAN?'. It includes a brief explanation of what a PAN is. There are two radio button options: 'Yes' and 'No'. The 'No' option is selected and highlighted with a red box. Below the options, there is a note about updating PAN information in the Tax Settings Page. At the bottom, there is a yellow button labeled 'Verify and continue (step 3 of 5)' and a small note about being redirected to the bank's website for authorization.

OTP Verification

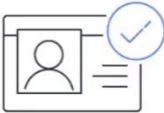
- After entering details, you'll receive a **payment OTP from your bank**.

Enter the OTP and click “**Confirm**”.

- If successful, you’ll see confirmation that your **payment method is added**.

4. Confirm Your Identity

- **Select purpose of account** → Choose **Personal use**.
- **User type** → Select **Individual**.
- **Identity verification document** → Choose **PAN Card**.
- Enter your **Date of Birth (DOB)** exactly as per PAN card.



Sign up for AWS

Confirm your identity [Info](#)

Primary purpose of account registration
Choose one that best applies to you. If your account is tied to a business, select the one that applies to your business.

Personal use

Ownership type
Choose your ownership relation to the account. Based on your selection, you may be asked to complete additional customer verification steps.

Individual

India document type [Info](#)
To verify your identity, the name on the document must match the name that you chose.

PAN card

Date of birth
To use this document type, you must be at least 18 years old.


YYYY/MM/DD

Format: YYYY/MM/DD

Name [Info](#)
Choose the name that you want to use for identity verification.

Gangavaram Prasanth

- Enter your **PAN card number**.
- Select the **account identity**
- **Upload a clear image of your PAN card** (front side).



Name [Info](#)
Choose the name that you want to use for identity verification.

Gangavaram Prasanth

Permanent Account Number (PAN)

Enter Permanent Account Number (PAN)

The PAN is 10 alphanumeric characters without spaces or tabs. Example: AAAAAT111B

Upload front of Permanent Account Number (PAN) card

Choose file

File must be in .pdf, .jpg, .jpeg, or .png format. Minimum file size is 100 B and maximum file size is 5 MB.

☒ I consent to allowing AWS to use and send the information above to a third-party service for identity verification purposes.

Continue (step 4 of 5)


- Make sure it’s sharp and all details are visible.
- Click **Continue**.

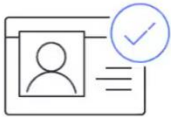
Mobile Verification

1. Enter your **mobile number**.
2. Click **Send SMS**.

How is your experience?
[Provide Feedback](#)

Language
English





Sign up for AWS

Confirm your identity

Before you can use your AWS account, you must verify your phone number. When you continue, the AWS automated system will contact you with a verification code.

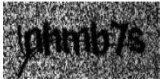
Country or region code
India (+91)

Mobile phone number
8639380177

Send SMS (step 4 of 5)

3. **solve CAPTCHA** (enter the characters shown).

Security Verification




Type the characters as shown above

nhmb7s

[Reset](#) **Submit**

3. Enter the **OTP** you receive.

After this, your identity will be successfully verified.



Sign up for AWS

Confirm your identity

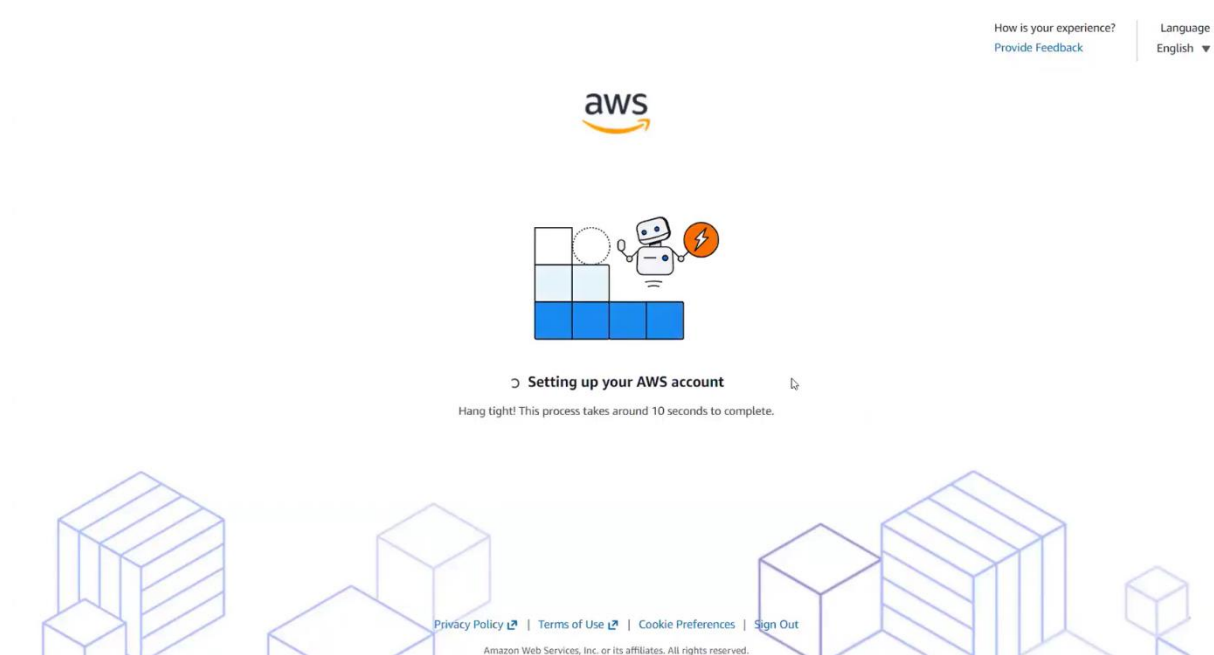
Verify code
4548

Continue (step 4 of 5)

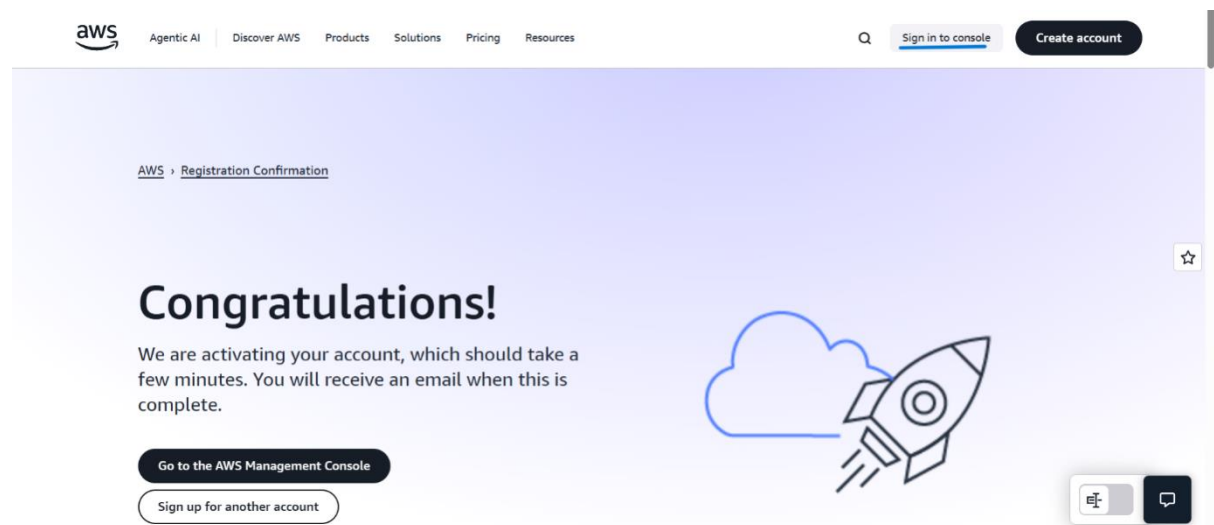
Having trouble? Sometimes it takes up to 10 minutes to retrieve a verification code. If it's been longer than that, [return to the previous page](#) and try again.

5. AWS Account Setup in Progress

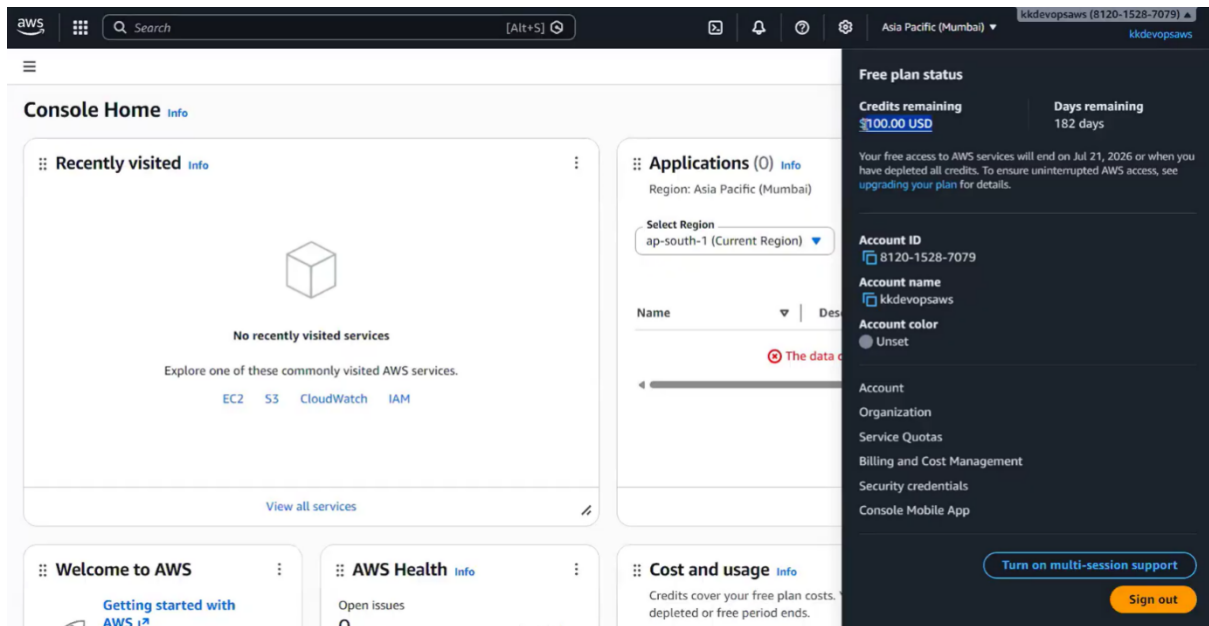
- Your AWS account signup is now complete.



- You'll get a **Welcome Email from AWS**, and you can log in to the **AWS Management Console**.



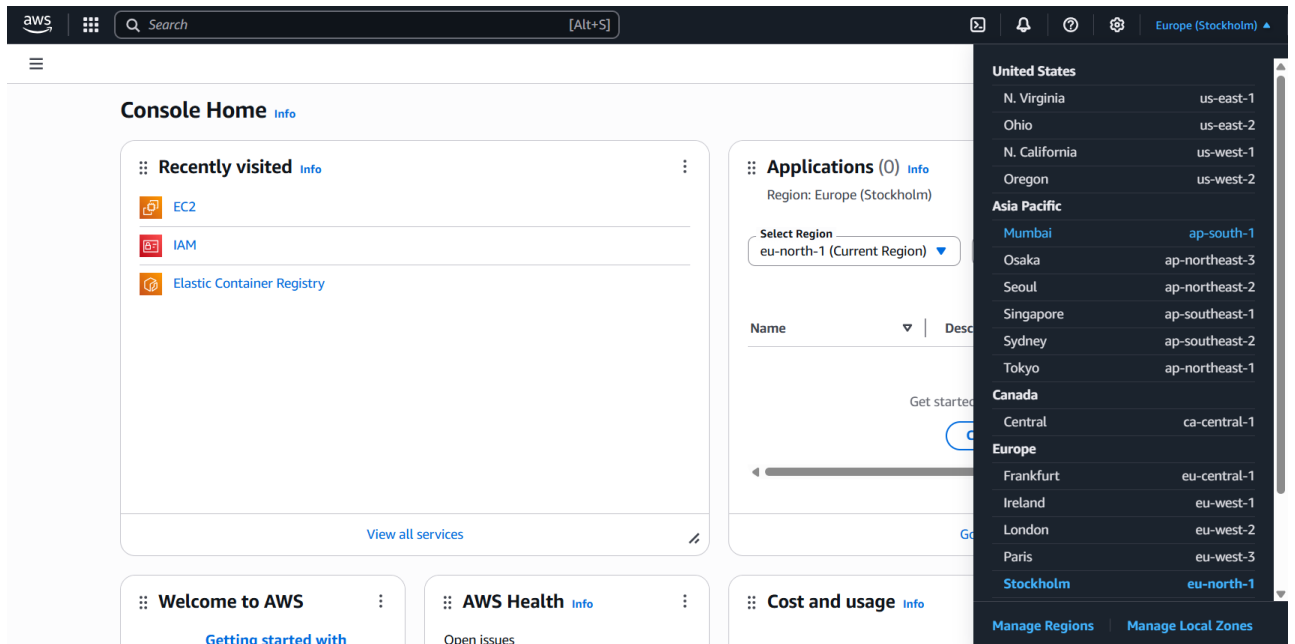
- Click **“Sign in to Console”**.
- Choose **“Root user”**, enter your **registered email**.
- Click **Next**, enter your **password**, then **Sign In**.
- You'll now be **logged in to the AWS Cloud Console** and can start **using AWS services**



6. Launching an EC2 Instance (AWS Virtual Server)

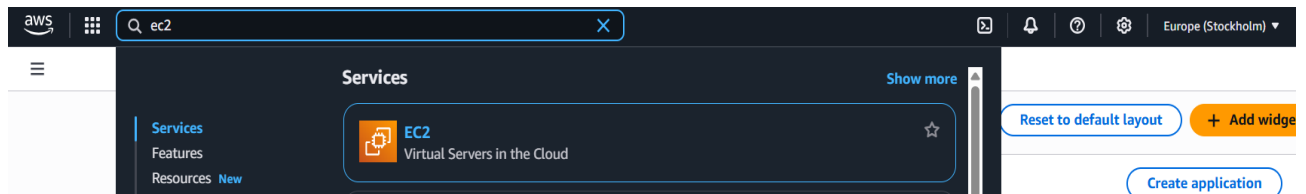
Step 1: Choose Region

- You can create the server in **any AWS region** you have access to.
- Note: Some regions might **not be available** to you due to permission restrictions or quotas.



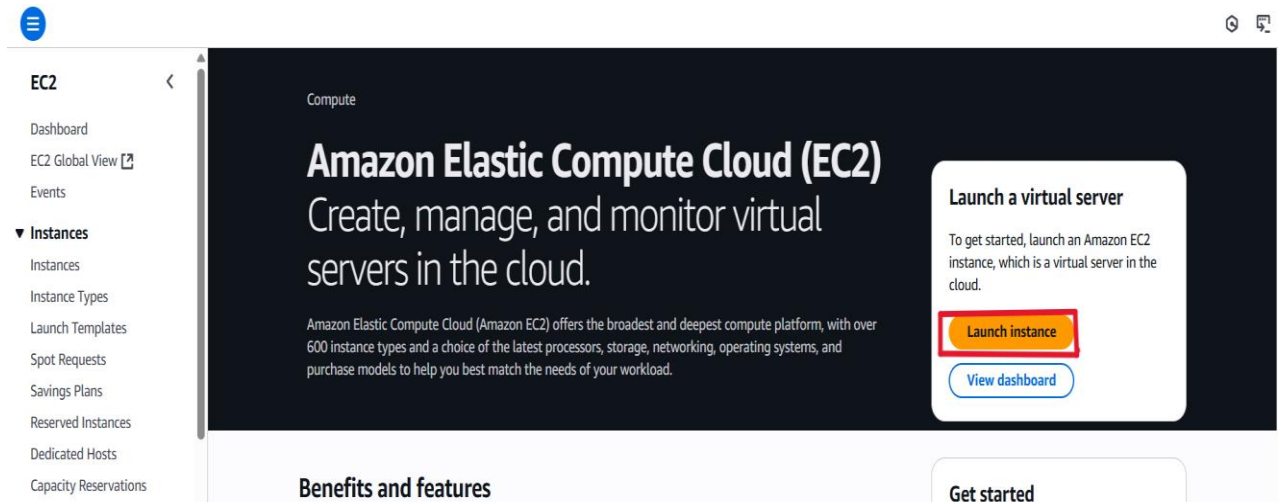
Step 2: Open EC2 Dashboard

- Search “EC2” → Click on EC2 to open the dashboard.



Step 3: Launch New Instance

- Click “Launch Instance”
- In AWS Console, search for "EC2" and open the EC2 Dashboard.
- Click "Launch Instance".
- Name your instance: Example – kkdevops.



Step 4: Choose OS (AMI / Flavour)

- Choose the OS (distribution) you want, like Red Hat (RHEL), Ubuntu, or Amazon Linux.
- These are called AMI (Amazon Machine Images).

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

kkdevops

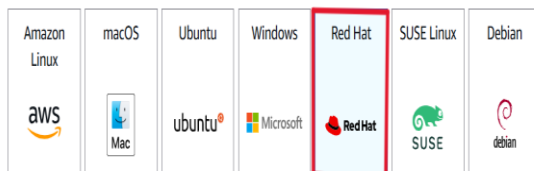
Add additional tags

Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and 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



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

Amazon Machine Image (AMI)

Summary

Number of instances Info

1

Software Image (AMI)

Provided by Red Hat, Inc.
ami-0038df39db13a87e2

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 10 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier

Cancel

Launch instance

Preview code

Step 5 : Choose Instance Type

- For basic use or learning, **t2.micro** is enough.
- It is **Free Tier Eligible** and works fine for testing or small projects.

Description

Red Hat Enterprise Linux version 10 (HVM), EBS General Purpose (SSD) Volume Type

Search

t2.nano

Family: t2 1 vCPU 0.5 GiB Memory Current generation: true
On-Demand Ubuntu Pro base pricing: 0.008 USD per Hour
On-Demand SUSE base pricing: 0.0062 USD per Hour On-Demand Linux base pricing: 0.0062 USD per Hour
On-Demand Windows base pricing: 0.0085 USD per Hour

t2.micro

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

Free tier eligible

t2.micro

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

Free tier eligible

Verified provider

All generations

Compare instance types

Additional costs apply for AMIs with pre-installed software

Key pair (login) Info

Summary

Number of instances Info

1

Software Image (AMI)

Provided by Red Hat, Inc.
ami-0038df39db13a87e2

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 10 GiB

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier

Step 6 : Create or Use a Key Pair

- A **key pair** is needed to **connect securely (via SSH)** to your instance.

If you **don't have one**, click **Create new key pair**:

- Name: **kkdevops**
- Type: **RSA**
- Format: **.pem**
- Now, click on "Create key pair." This will automatically download the .pem file, which is usually saved in your **Downloads** folder.

Tip: You can **reuse existing key pairs** for future instances instead of creating a new one each time.

- Click "Launch Instance"

▼ 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*

kkdevops

▼

↻

Create new key pair

▼ Network settings [Info](#)

Network [Info](#)

vpc-0b77c6fd973242a0a

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Edit

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 10 GiB

ⓘ

Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available) when used with free tier.

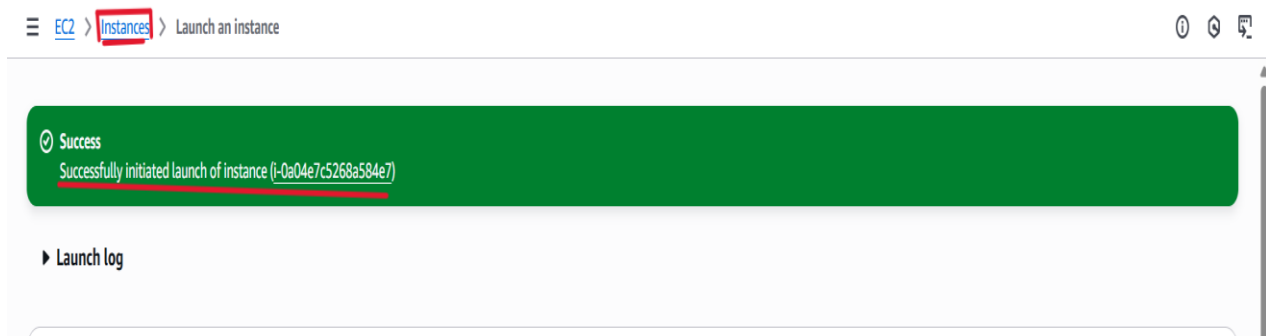
×

Cancel

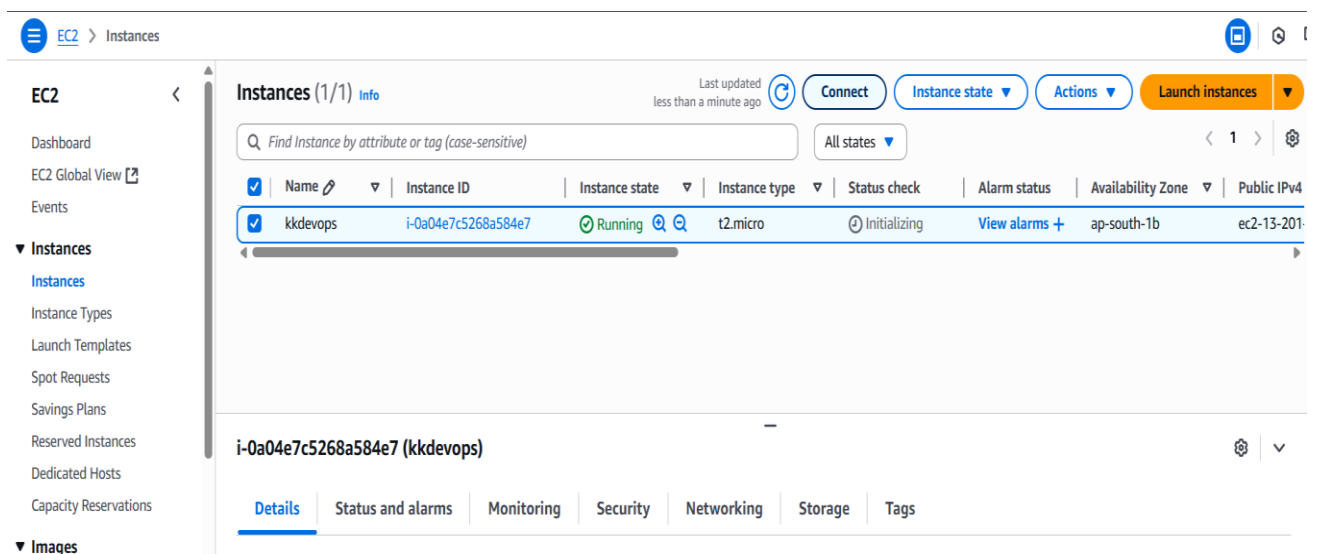
Launch instance

Preview code

- Now you can see the instance launched successfully.
- Select the instance to view the launched instances.



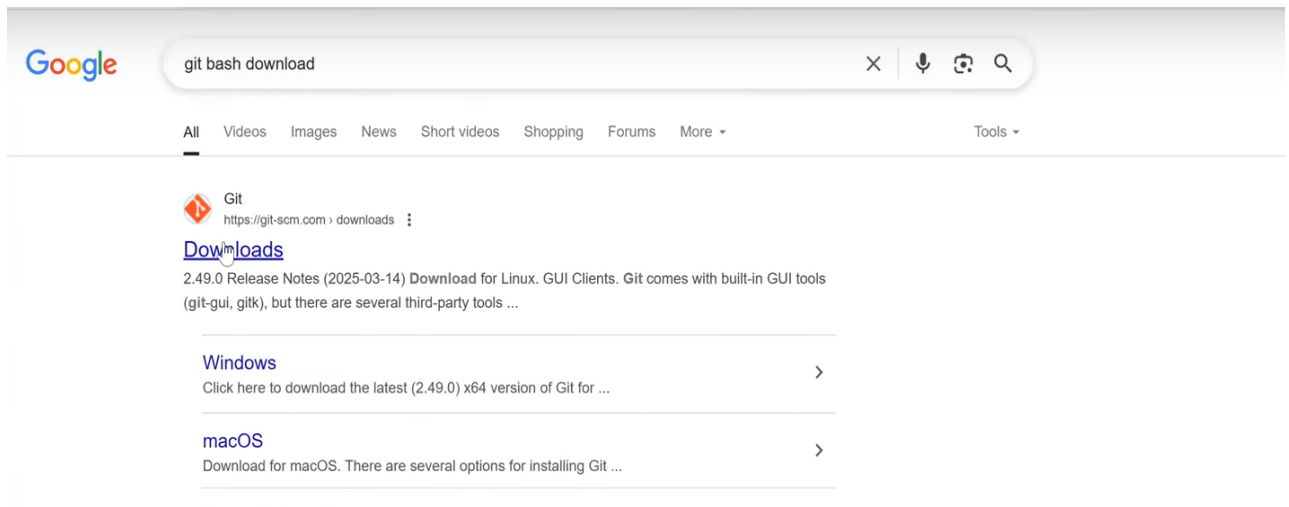
7. After Launching the EC2 Instance: How to Connect Using Git Bash Once the EC2 instance is launched successfully, we need a way to **connect to the server from our local machine**. This is where **Git Bash** comes in.



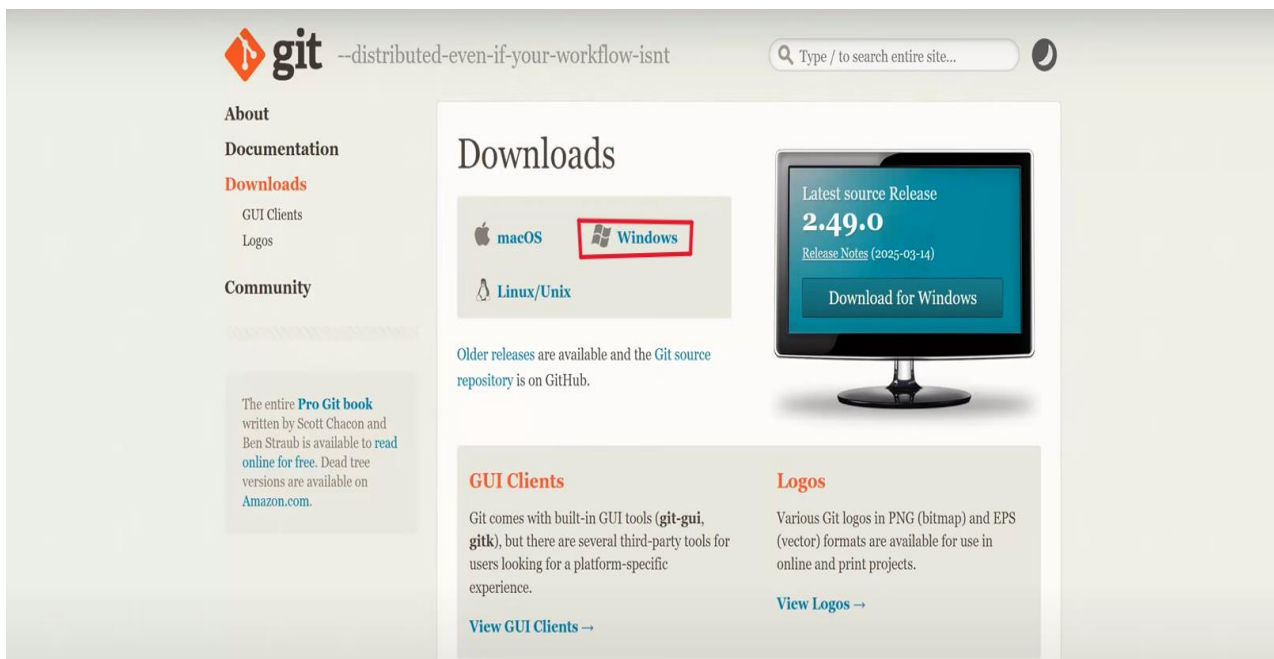
Step 1: Install Git Bash

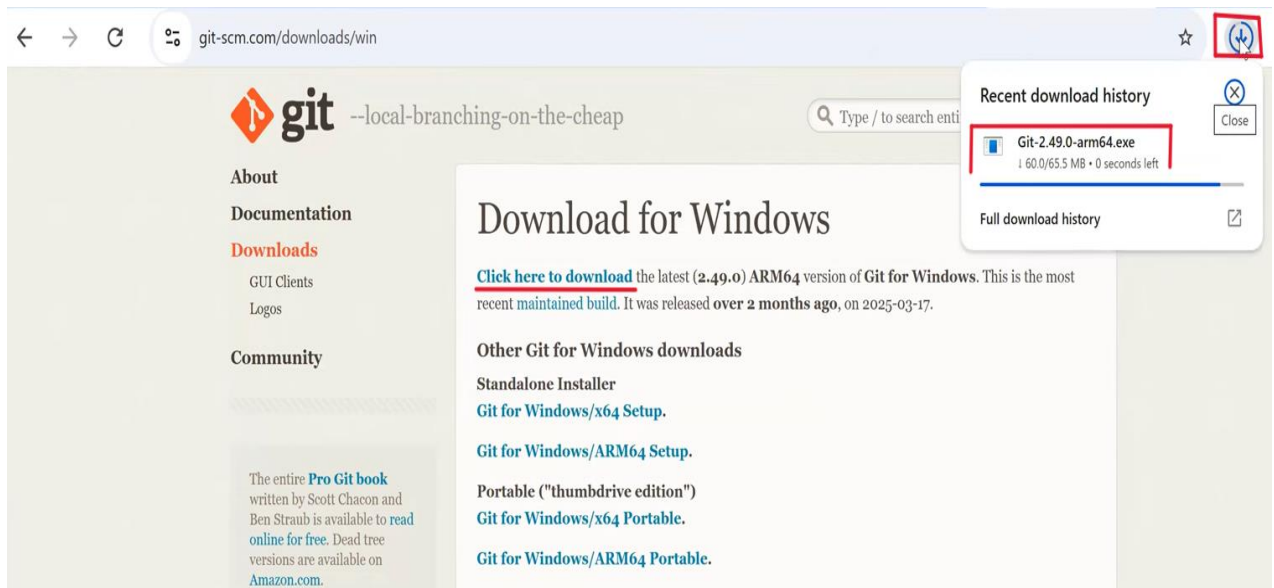
If you don't have Git Bash on your system:

- **Open Google** and search for: Git Bash download
- Click on the link that goes to <https://git-scm.com/>

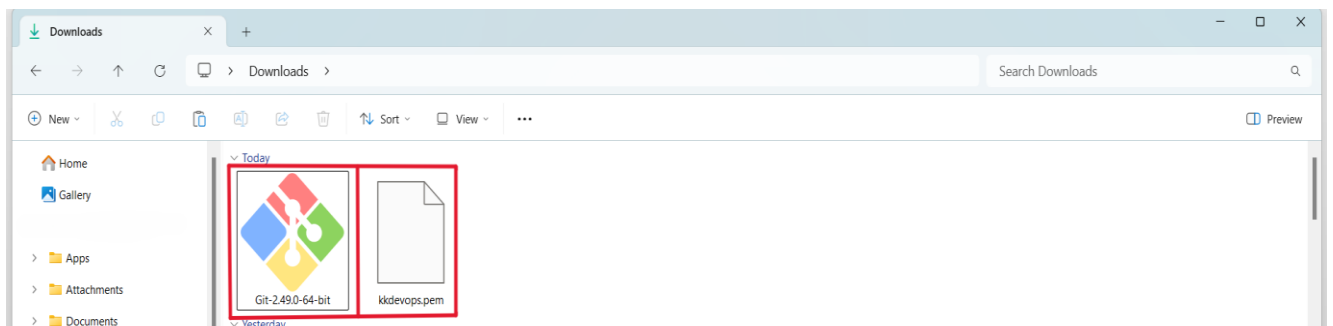


- On the site, click on **Download for Windows**

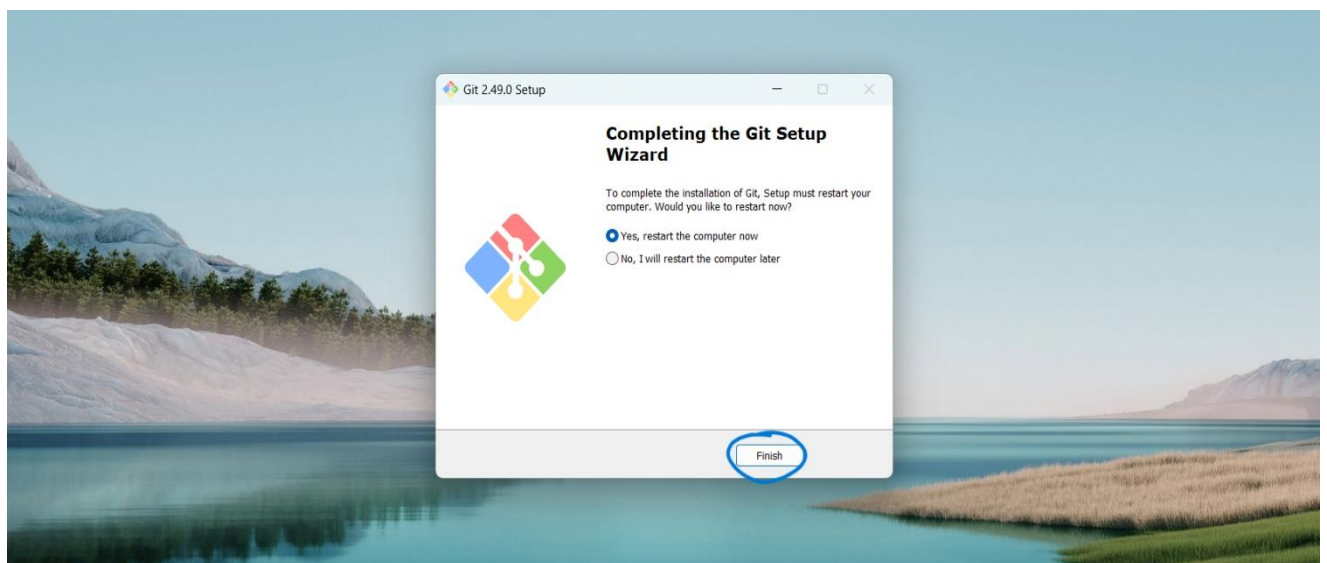




- Click on "click here" to download
- After installation, you'll see **Git Bash** on your desktop or start menu.

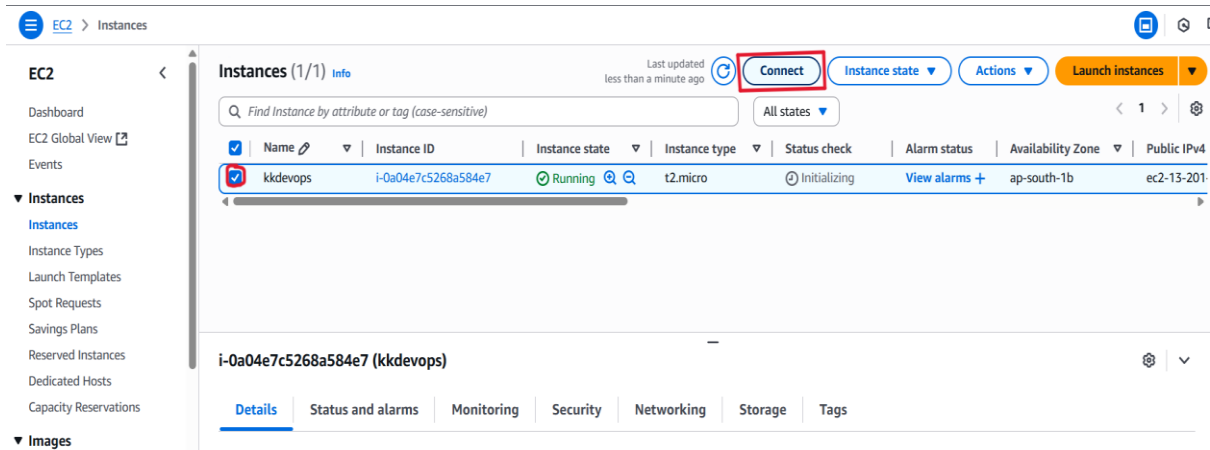


- Once downloaded, install it by clicking **Next → Next → Install**

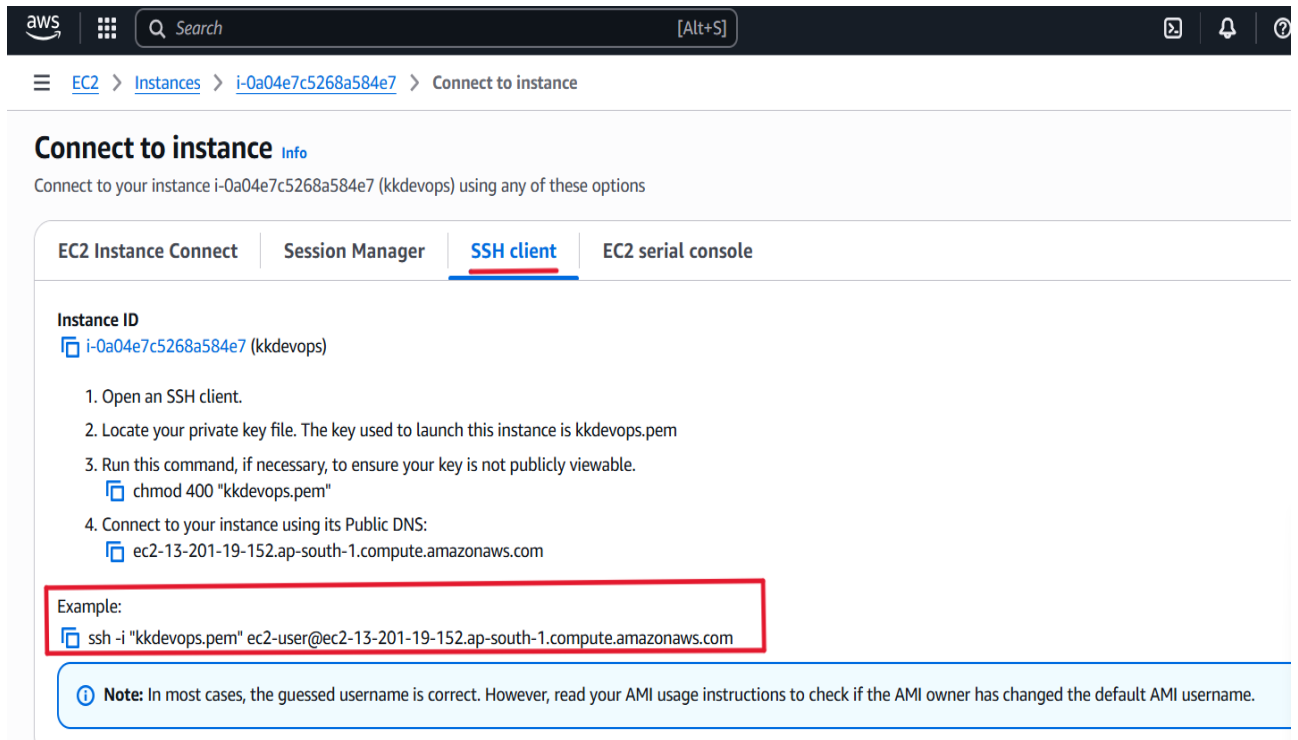


Step 2: Get the SSH Command from AWS Console

- Go to your **EC2 Dashboard**
- Select your running instance



- Click the **“Connect”** button on top
- In the **"SSH client"** section, you'll see a command that looks like this: `ssh -i "your-key.pem" ec2-user@<your-ec2-public-ip>`



Copy that command it includes your .pem key and the EC2 public IP.

Step 4: Paste the SSH Command in Git Bash

- **Open Git Bash** on your system.
- Move to the folder where your .pem file is saved (usually in **Downloads**):

cd ~/Downloads

- Now **paste the SSH command** you copied from the AWS Console: Press **Enter**.

```
kand1@LAPTOP-8KC036UK MINGW64 ~
$ cd Downloads/
kand1@LAPTOP-8KC036UK MINGW64 ~/Downloads
$ ssh -i "kkdevops.pem" ec2-user@ec2-13-201-19-152.ap-south-1.compute.amazonaws.com
The authenticity of host 'ec2-13-201-19-152.ap-south-1.compute.amazonaws.com (13.201.19.152)' can't be established.
ED25519 key fingerprint is SHA256:jFT1bSoubKnmBtSV6w5/I2n6/6wn1ZyToUoNjN8fNyc.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-201-19-152.ap-south-1.compute.amazonaws.com' (ED25519) to the list of known hosts.
Register this system with Red Hat Insights: rhc connect
Example:
# rhc connect --activation-key <key> --organization <org>

The rhc client and Red Hat Insights will enable analytics and additional
management capabilities on your system.
View your connected systems at https://console.redhat.com/insights

You can learn more about how to register your system
using rhc at https://red.ht/registration
[ec2-user@ip-172-31-14-201 ~]$
[ec2-user@ip-172-31-14-201 ~]$
[ec2-user@ip-172-31-14-201 ~]$ pwd
/home/ec2-user
[ec2-user@ip-172-31-14-201 ~]$
[ec2-user@ip-172-31-14-201 ~]$
```

- The terminal may ask: Are you sure you want to continue connecting (yes/no)?
- That's it! You are now connected to your EC2 instance