

## Hands-On Lab

# Register for an AWS Account, Amazon Web Services & log in to the AWS Console

**Important:**

When attempting to create an AWS Free account, there is a high likelihood of encountering issues or facing restrictions if the same email, phone number, IP address, or other identical details have been used in previous registrations.

To ensure a smooth experience and prevent any potential complications, we recommend opting for a **Pay-As-You-Go account**.

With a Pay-As-You-Go account, you will only be charged for the services you use, providing greater flexibility and eliminating the risk of account limitations.

To avoid incurring unnecessary charges, we advise you to delete any resources that are no longer needed after completing your labs or tasks. This will help you manage your account efficiently while avoiding additional costs.

**Get started with your Pay-As-You-Go account here:**  
[Upgrading To a Paid Plan To Use All Services](#)

An AWS account and access to the AWS Console are essential for leveraging Amazon's cloud services, which provide scalable, flexible, and cost-effective solutions for computing, storage, databases, and more. AWS enables businesses and individuals to manage resources globally, automate tasks, and ensure security while only paying for what they use. It also provides a platform for learning, experimentation, and building enterprise solutions, making it crucial for anyone looking to innovate, scale, or improve their IT infrastructure in the cloud.

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## 1 INTRODUCTION

AWS (Amazon Web Services) offers new customers the opportunity to explore its vast range of cloud services through the **AWS Free Tier**.

This allows you to get started at **no cost for up to 6 months**, offering **\$200 USD in credits** to use across a wide array of AWS services. **Gain \$100 USD credits at sign-up and up to \$100 USD more to earn as you explore key AWS services.**

The Free Tier includes access to essential services for experimentation and learning, making it ideal for individuals and businesses looking to explore cloud computing without incurring significant expenses.

For those ready to scale their operations, AWS also offers a **Paid Plan**, which provides full access to over **150 AWS services** with pay-as-you-go pricing.

While the Free Tier offers limited usage, the Paid Plan lets you expand your workloads, access advanced features, and take your applications to the next level.

In this guide, we'll walk you through the process of getting started with **AWS**, from creating your AWS account and exploring as your needs grow.

Whether you're just learning about cloud services or scaling production-ready applications, AWS offers flexible solutions tailored to your goals.

This activity guide covers the steps to:

- How to create a new AWS Account | Amazon Web Services
- Log in to the AWS Console

**Note: Once after the creation of the AWS Account is created, in certain cases, it may take up to 24 - 48 hours for the account to get activated.**

## 2 DOCUMENTATION LINKS

1. How do I create and activate a new Amazon Web Services account?  
<https://aws.amazon.com/premiumsupport/knowledge-center/create-and-activate-awsaccount/>
2. AWS Free Tier Limits:  
<http://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/free-tier-limits.html>
3. AWS Free Tier Terms:  
<https://aws.amazon.com/free/terms/>
4. AWS to enhance MFA requirements  
<https://aws.amazon.com/blogs/security/security-by-design-aws-to-enhance-mfa-requirements-in-2024/>
5. Trying services using AWS Free Tier (before July 15, 2025)  
<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/billing-free-tier.html>

### 3 PRE-REQUISITE

Before you begin, ensure you have the following:

1. **New Valid Email ID:** Ensure you use a new email address that hasn't been previously associated with an AWS account. This is required for creating and verifying your AWS account.
2. **Mobile Number:** Needed for OTP (**One-Time Password**) validation during account setup.
3. **Credit/Debit Card:** Used for payment confirmation, even though you will start with the Free Tier. A card that hasn't been previously associated with an AWS account.
4. **Address/Identity Proof:** Required for account verification and to comply with AWS's security checks.

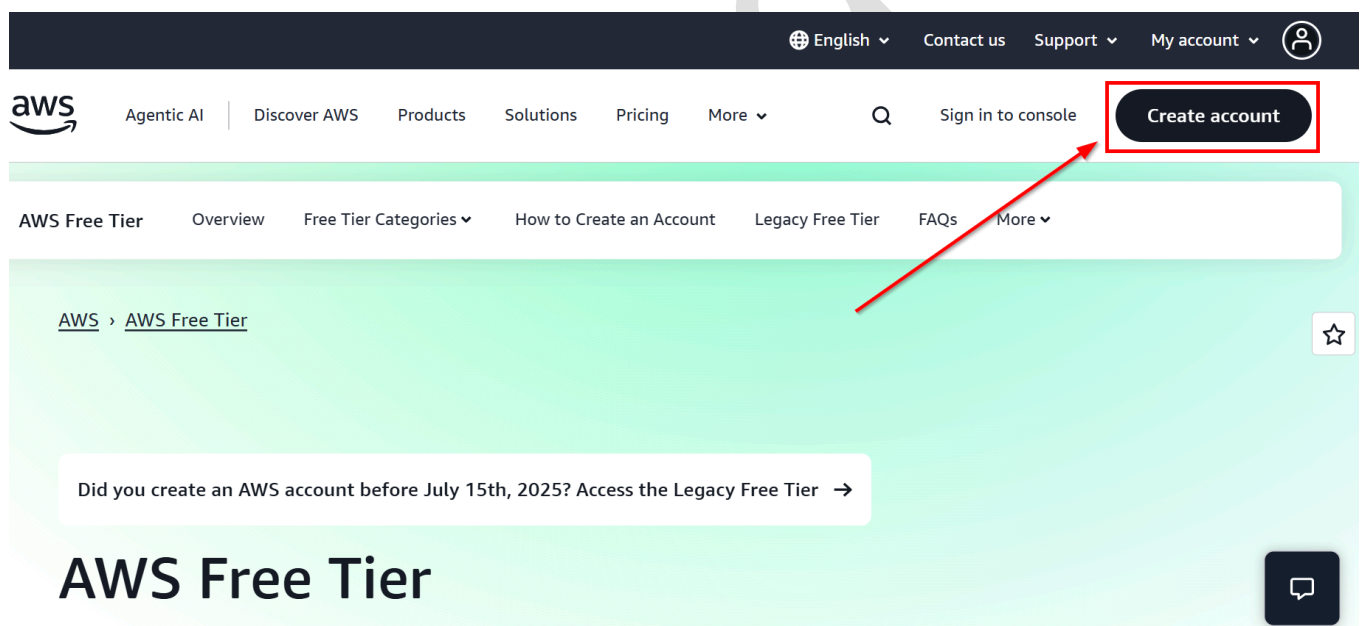
Make sure you have all these details ready before proceeding with the AWS account registration.

## 4 REGISTER FOR THE AWS ACCOUNT

The guide assumes you don't already have an AWS account and that you're registering for cloud access with AWS for the first time. This is important for users who have never interacted with AWS and need detailed instructions on how to set up their account from scratch.

**Note:** If you already have an existing AWS account, this section isn't necessary for you. You can skip the registration process and move on to **logging into the AWS Console**, which allows you to manage and access your cloud services after signing in.

1. First, open your web browser and navigate to <https://aws.amazon.com/free/>.
2. Now, click on **Create Account**.



3. **Verify your email address:** After entering your details, like your email and your name click on the verify email address.



Explore Free Tier products with a new AWS account.

To learn more, visit [aws.amazon.com/free](https://aws.amazon.com/free).



## Sign up for AWS

Root user email address

Used for account recovery and some administrative functions

AWS account name

Choose a name for your account. You can change this name in your account settings after you sign up.

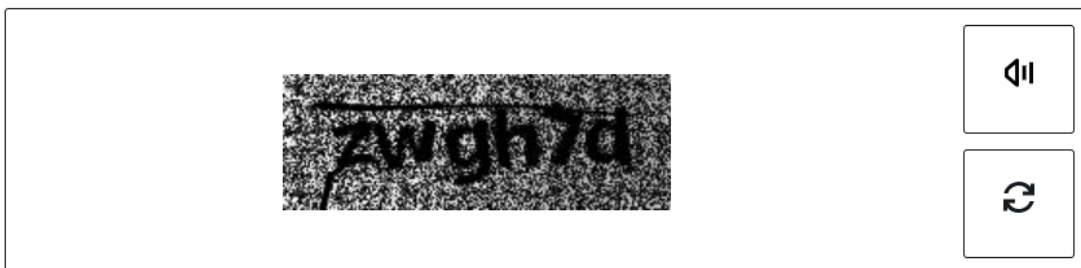
**Verify email address**

OR

[Sign in to an existing AWS account](#)

4. Provide the captcha to verify it.

### Security Verification

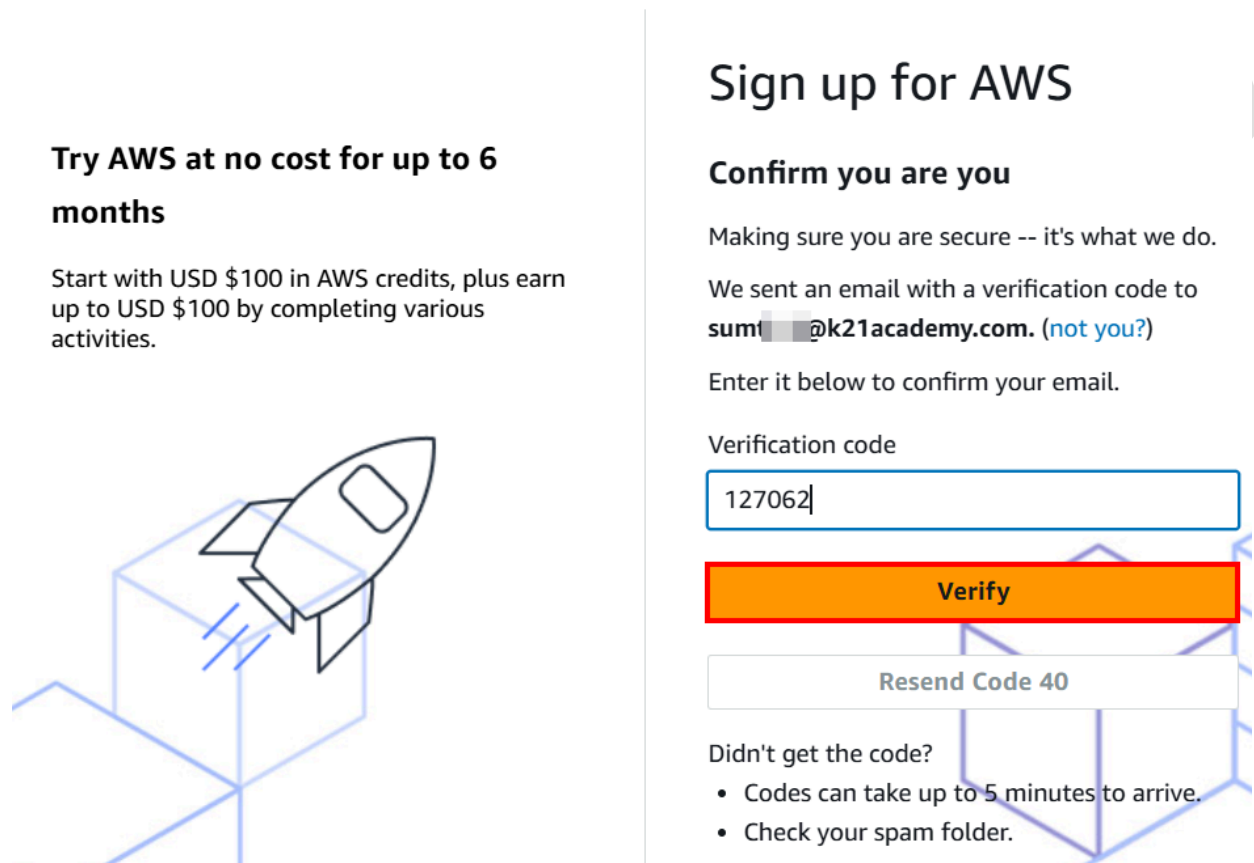


Type the characters as shown above

Reset

**Submit**

5. Provide the OTP from the email for verification.



The screenshot shows the AWS sign-up verification page. On the left, there is a promotional message: "Try AWS at no cost for up to 6 months" and "Start with USD \$100 in AWS credits, plus earn up to USD \$100 by completing various activities." Below this is an illustration of a rocket launching from a box. On the right, the main content is titled "Sign up for AWS" and "Confirm you are you". It states: "Making sure you are secure -- it's what we do." and "We sent an email with a verification code to sumt[redacted]@k21academy.com. (not you?)". Below this, it says "Enter it below to confirm your email." and "Verification code". A text input field contains "127062". Below the input field is a red "Verify" button and a white "Resend Code 40" button. At the bottom, it says "Didn't get the code?" followed by two bullet points: "Codes can take up to 5 minutes to arrive." and "Check your spam folder."

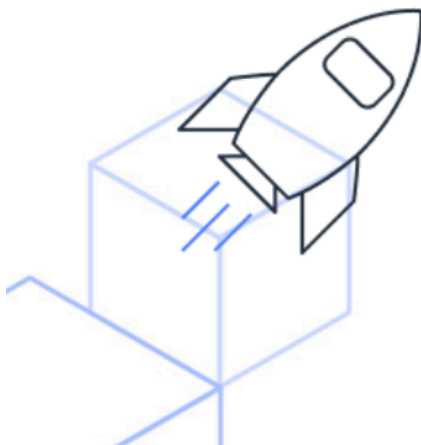
6. **Provide password**

- Provide the details that you want to use to log in to your **AWS** account, and click on **Continue**
- **Email address:** Enter the email ID that hasn't been registered yet with Amazon AWS
- **Password:** Type your Password
- **Confirm password:** Confirm the Password
- **Captcha:** Enter the given security check



## Try AWS at no cost for up to 6 months

Start with USD \$100 in AWS credits, plus earn up to USD \$100 by completing various activities.



## Sign up for AWS

### Create your password

✔ It's you! Your email address has been successfully verified. ✕

Your password provides you with sign in access to AWS, so it's important we get it right.

Root user password

Confirm root user password

**Continue (step 1 of 6)**

## 7. Choose your Option

AWS offers two plans for new customers: **the Free Plan and the Paid Plan**. Since we will be building production-ready workloads and using AI/ML services like SageMaker, OpenSearch, and other advanced services, **we recommend selecting the Paid Plan.**

Paid Plan Benefits:

- Access to over 150 AWS services, including AI/ML, Compute, Databases, Storage, and more.
- Receive up to \$200 USD in credits to explore and test services. Gain \$100 USD credits at sign-up and up to \$100 USD more to earn as you explore key AWS services.



- Enjoy free usage of select services within credit limits.
- Pay only when your usage exceeds the credit thresholds.
- Scale workloads beyond the free-tier limits as your projects grow.
- Full access to all AWS features and services for development, testing, and production environments.

**Choosing the Paid Plan ensures you can use all cloud services without limitations.** This is essential for AI/ML projects, data engineering, and advanced cloud workloads that may exceed the Free Tier usage limits. It also allows you to develop real-world production-ready applications while still enjoying initial credits.



## Sign up for AWS

### Choose your account plan

	
<b>Free (6 months)</b> Learn, experiment, and build prototypes	<b>Paid</b> Develop production-ready workloads
<ul style="list-style-type: none"><li>✓ Receive up to \$200 in credits</li><li>✓ Includes free usage of select services</li><li>✗ Workloads scale beyond credit thresholds</li><li>✗ Access to all AWS services and features</li></ul>	<ul style="list-style-type: none"><li>✓ Receive up to \$200 in credits</li><li>✓ Includes free usage of select services</li><li>✓ Workloads scale beyond credit thresholds</li><li>✓ Access to all AWS services and features</li></ul>
<p>ⓘ 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.</p>	<p>ⓘ After all of your credits are used, you are charged using pay-as-you-go pricing.</p>
<input type="button" value="Choose free plan"/>	<input type="button" value="Choose paid plan"/>

[View additional details](#)

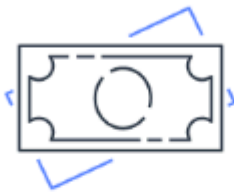
8. **Contact Information:** Select your AWS type (Professional/ Personal), fill in the correct information to validate your account if you're going to create a personal use account, then click on "**Personal Account**"; else, use "**Company Account**", accept the Terms and Conditions, and then click on **Create Account and Continue**.

**In the Contact Information section:**

- Select AWS type: Personal (for your own projects)
- **Enter your information:**
  - Full Name
  - Phone Number
  - Country
  - Address
  - City
  - State
  - Postal Code
  - Click Continue

### 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.



## Sign up for AWS

### Contact Information

How do you plan to use AWS?

- Business - for your work, school, or organization
- Personal - for your own projects

Who should we contact about this account?

Full Name

Sumti Mehta

Country Code Phone Number

+91 8

Country or Region

Inc

Address line 1

Address line 2

Apartment, suite, unit, building, floor, etc.

City

S

State, Province, or Region

Hima Pradesh

Postal Code

17

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](#).

Agree and Continue (step 2 of 5)

**Note: Ensure to provide proper contact details and mobile number to get the Verification code from AWS.**



5 Cardholder's name  
Vinay

Save card information for faster future payments  
Securely save card information payments as per RBI guidelines. [Learn more.](#)

6 Billing address  
 Use my contact address  
123, Phagwara, Punjab  
Phagwara Punjab 144411  
IN  
 Use a new address

7 Do you have a PAN?  
Permanent Account Number (PAN) is a ten-digit alphanumeric number issued by the Indian Income Tax Department. This 10-digit number is printed on the front of your PAN card.  
 Yes  
 No  
You can go on the Tax Settings Page on Billing and Cost Management Console to update your PAN information.

8 **Verify and Continue (step 3 of 5)**  
You might be redirected to your bank's website to authorize the verification charge.

10. In this step, it will take you to the payment gateway to validate your payment information and for your credit card verification, Amazon will charge a minimal price based on the Country. Here I have provided India, so Amazon charged **2 INR**.

Card Number  
**XXXX XXXX XXXX 8208**

Merchant  
**AMAZON**

Amount  
**Rs 2.00**

Mobile  
**X6XXXX7XX7** 

An OTP (One Time Password) has been sent to your registered mobile number. Please authenticate the transaction using this OTP.

Enter OTP

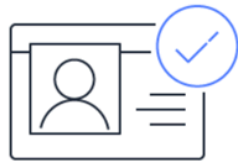
[Resend OTP](#)

OTPs are SECRET. DO NOT disclose it to anyone. Bank NEVER asks for OTP.

This page will automatically timeout after 180 seconds.

#### 11. In the **Confirm Your Identity** section:

- Check the box to confirm your identity.
- Select the primary purpose (e.g., personal use).
- Choose "Individual" for ownership type and provide PAN card details if selected.
- Select your document type (e.g., PAN card, Driving License).
- Enter your date of birth in the format (YYYY/MM/DD).
- Provide your PAN card details.
- Agree to the terms and conditions, then click **Next**.



### Confirm your identity [Info](#)

#### Name [Info](#)

Choose the name that you want to use for identity verification.

Vinay

#### 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

Individual

#### India document type [Info](#)

To verify your identity, the name on the document must match the name that you chose.

1 Permanent Account Number (PAN)

#### Date of birth

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

2 YYYY/MM/DD

Format: YYYY/MM/DD

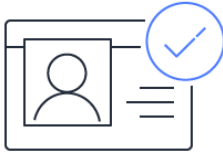
#### Permanent Account Number (PAN)

3 Enter PAN

The PAN is 10 alphanumeric characters without spaces or tabs. Example: AAAAAA1111B

4  I consent to allowing AWS to use and send the information above to a third-party

12. **Phone verification:** Here, you will be taken to an identity verification page that will already have your phone number, so you just have to select either “Text message or Voice call.” Provide a valid phone number, solve the captcha, and then click on **Send SMS** or **Call Me Now** (depending upon your selection).



## 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.

How should we send you the verification code?

Text message (SMS)  
 Voice call

Country or region code

India (+91)

Mobile phone number

7017083421

Security check



Type the characters as shown above

Send SMS (step 4 of 5)

13. After clicking on Send SMS or Call me Now, you will immediately receive a call or SMS from Amazon for a verification code. Enter your code, then click on **Verify Code**.



## Sign up for AWS

### Confirm your identity

Verify code

7674

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.

**Note:** In this step, if you are not receiving the **Verification Code on the Telephone Number**, then please refer to the **Troubleshooting section 8.1**, where we have mentioned the cause and fix.


(If you are from Oman, then you might face this issue. We suggest you refer to the **8.1 Troubleshooting section**, where we have mentioned the steps to connect to the **AWS Support Team**.)




14. **Support plan:** AWS support offers a selection of plans to meet your business needs. Select your suitable plan, then click continue.



## Sign up for AWS


### Select a support plan

Choose a support plan for your business or personal account. [Compare plans and pricing examples](#)  
 You can change your plan anytime in the AWS Management Console.

<input checked="" type="radio"/> <b>Basic support - Free</b> <ul style="list-style-type: none"><li>Recommended for new users just getting started with AWS</li><li>24x7 self-service access to AWS resources</li><li>For account and billing issues only</li><li>Access to Personal Health Dashboard &amp; Trusted Advisor</li></ul> 	<input type="radio"/> <b>Developer support - From \$29/month</b> <ul style="list-style-type: none"><li>Recommended for developers experimenting with AWS</li><li>Email access to AWS Support during business hours</li><li>12 (business)-hour response times</li></ul> 	<input type="radio"/> <b>Business support - From \$100/month</b> <ul style="list-style-type: none"><li>Recommended for running production workloads on AWS</li><li>24x7 tech support via email, phone, and chat</li><li>1-hour response times</li><li>Full set of Trusted Advisor best-practice recommendations</li></ul> 
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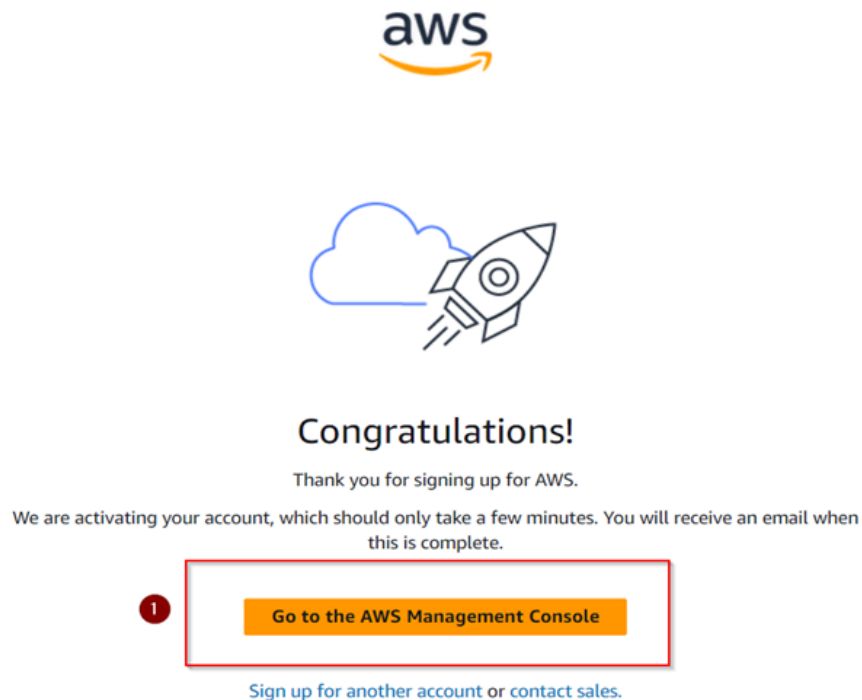
#### Need Enterprise level support?

From \$15,000 a month you will receive 15-minute response times and concierge-style experience with an assigned Technical Account Manager. [Learn more](#) 

**Complete sign up**

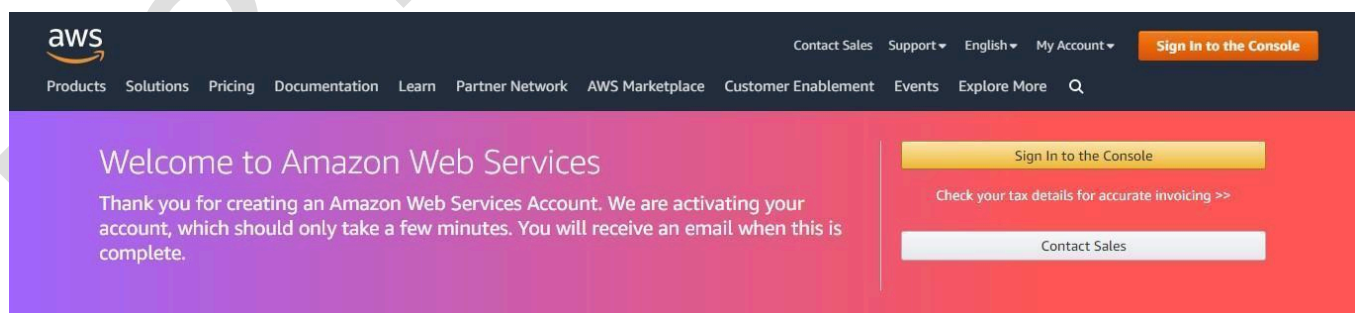
**Note:** All customers receive free basic support.

15. After selecting the plan type, this page will appear, confirming that you have successfully created your AWS account. Then, click **Go to the AWS Management Console**.



## 16. Registration Confirmation page.

You'll get the confirmation page below once you complete all the above steps and the process. Now your account will be processed for activation. It may take somewhere between 30 minutes to 1 hour for you to receive an email confirmation that your Amazon Cloud Services account has been activated.



In this section, we have successfully created the **AWS Account**. **Next**, we will discuss how you will log in to the **AWS Console**.

**Note: If you don't get a verification email, please go to the troubleshooting section of 10.5**

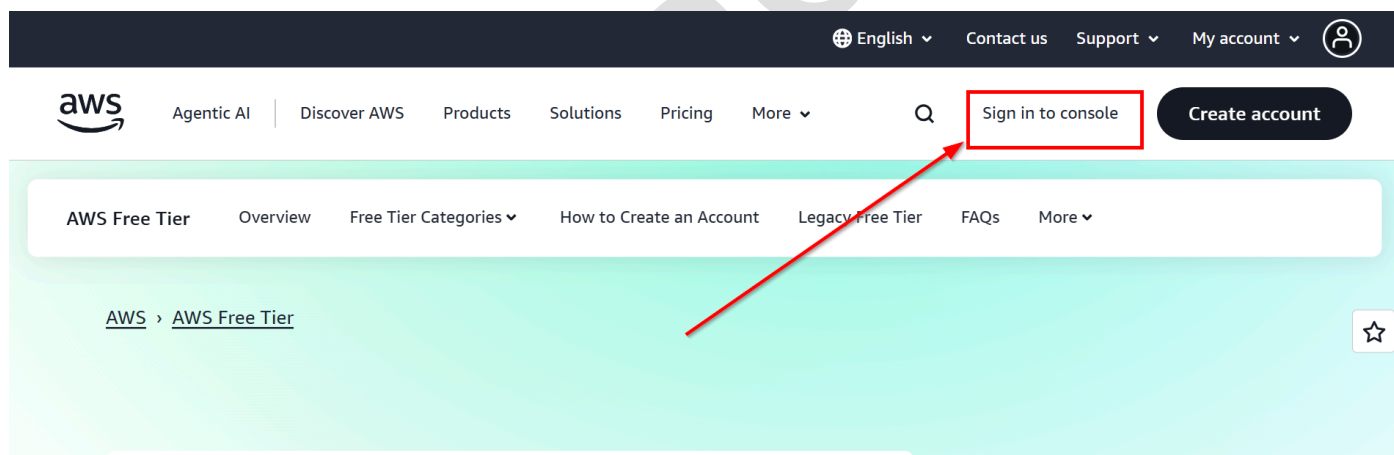
## 5 LOG IN TO THE AWS CONSOLE

The root user in AWS is the primary account holder created when an AWS account is first set up. It has unrestricted access to all AWS services and resources, including billing, account settings, and permissions management. The root user is the most privileged account and should be used sparingly for essential administrative tasks.

To enhance security, it is recommended to enable Multi-Factor Authentication (MFA) on the root user. For everyday tasks, it's best to create IAM users with specific, limited permissions.

**Make Sure you log in as a Root user in your AWS Account.**

1. Open your web browser, navigate to <https://aws.amazon.com/console/>, and **click on Sign In to the console.**



2. Enter the **email** that you have chosen while creating the account and **click on Next.**

### Sign In

Access your AWS account by user type.

User type [\(not sure?\)](#)

**Root user**  
Account owner that performs tasks requiring unrestricted access.

**IAM user**  
User within an account that performs daily tasks.

Email address

**Next**

OR


[New to AWS? Sign up](#)

## Be a part of AWS Builder Center

Unite with builders to share ideas, tackle challenges, and bring passion projects to life

[Join now >](#)

3. Enter the **password** associated with the user and then click on **Sign in**.



### Root user sign in [i](#)

Enter the password for  
sk[redacted]@gmail.com [\(not you?\)](#)

Password

Show password [Forgot password?](#)

**Sign in**

[Sign in to a different account](#)

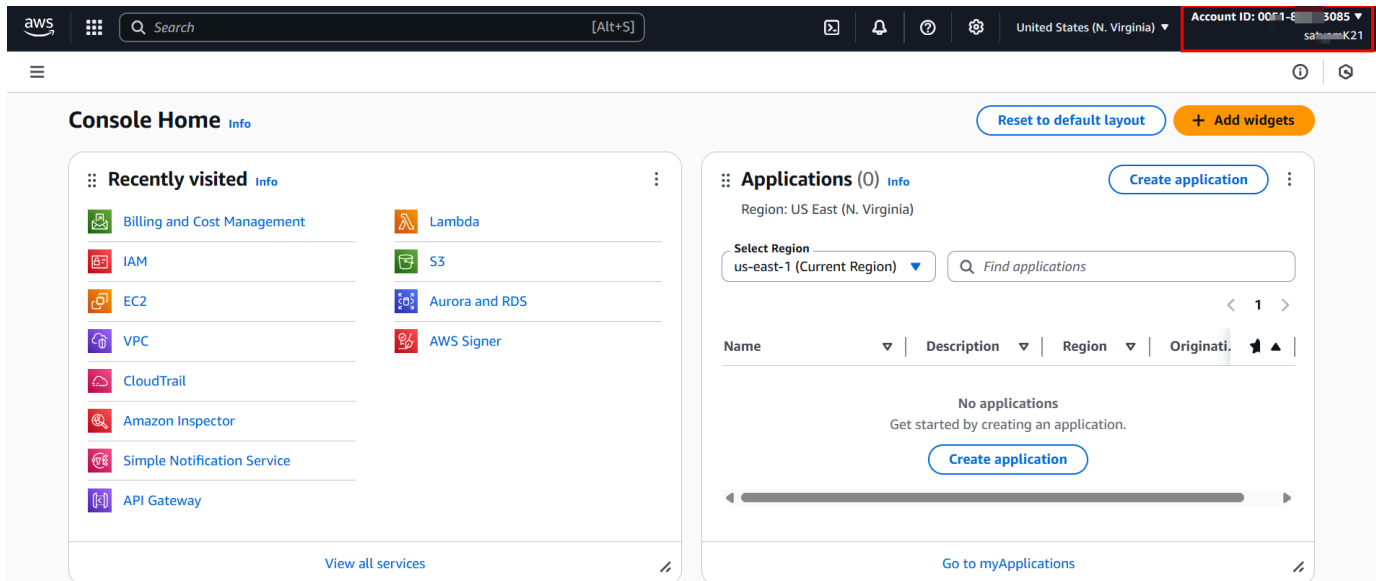
[Create a new AWS account](#)

## Be a part of AWS Builder Center

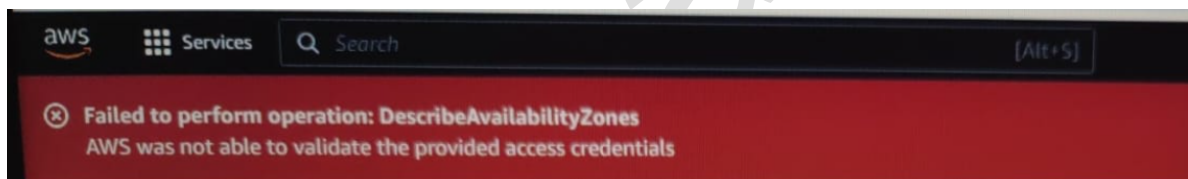
Unite with builders to share ideas, tackle challenges, and bring passion projects to life

[Join now >](#)

4. You can see the home screen below after you log in.



**Note: If you are hitting the error “AWS was not able to validate the provided access credentials,” kindly refer to the troubleshooting section 8.3**




## Complete sign-up

Thanks for signing up for Amazon Web Services. If we have directed you to this page, then you have not finished registering. Make sure you have done the following:

- 1 Provided all required information during sign-up. This includes adding a payment method, completing identity verification, and selecting a support plan.
- 2 Responded to any additional information we have requested by email. Check your spam and junk email folders to make sure you have not missed any such requests.
- 3 Verified your [credit card information](#). We might temporarily hold up to \$1 USD (or an equivalent amount in local currency) as a pending transaction for 3-5 days to verify your identity. This is an authorization, and you might need to contact your card issuer to approve it.

It might take up to 24 hours to fully activate your AWS services. If you can't access your services after that time, [contact support](#).

[Complete your AWS registration](#)



**Note: When you log in to your AWS account, please be aware that it might take up to 24 hours for all services to be fully activated and available. If you encounter any issues during this period, please wait and try again later. Please refer to the Troubleshooting section 10.4**

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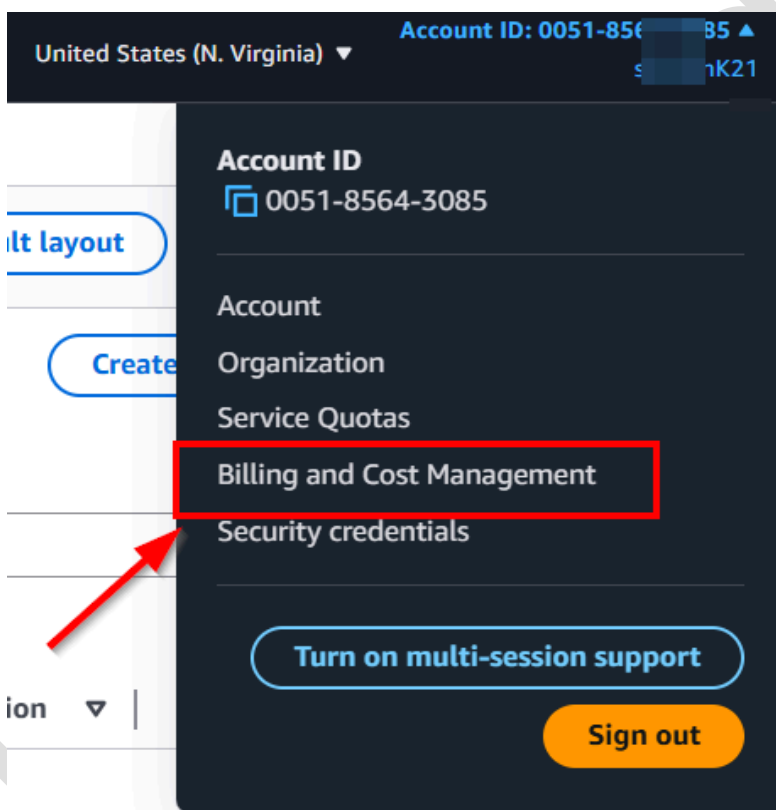
## 6 CHECK THE CREDITS FOR YOUR ACCOUNT

AWS provides **free credits** for new users to explore and try out their cloud services. By checking the available **credits**, you can use these credits to access various AWS services at no cost, helping you experiment and learn without incurring charges.

These credits are typically available for a limited period, so it's important to check them and plan your usage accordingly.

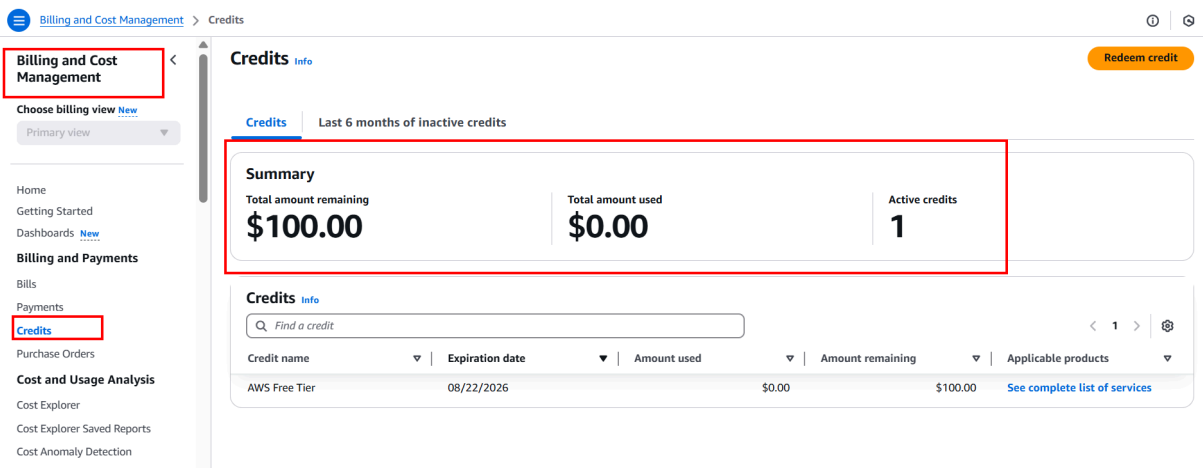
### 1. Navigate to the Billing Dashboard:

- From the **AWS Console**, click on your account name at the top right corner.
- Select **Billing and Cost Management** from the dropdown menu.



### 2. View Your Credits:

- In the **Billing Dashboard**, click on the **Credits** section.
- Here, you can view any **Free Tier credits** or other promotional credits applied to your account.



**Billing and Cost Management** > Credits

Choose billing view [New](#)  
Primary view

Home  
Getting Started  
Dashboards [New](#)

**Billing and Payments**  
Bills  
Payments  
**Credits**  
Purchase Orders

**Cost and Usage Analysis**  
Cost Explorer  
Cost Explorer Saved Reports  
Cost Anomaly Detection

**Credits** info Redeem credit

Credits Last 6 months of inactive credits

**Summary**  
Total amount remaining: **\$100.00**  
Total amount used: **\$0.00**  
Active credits: **1**

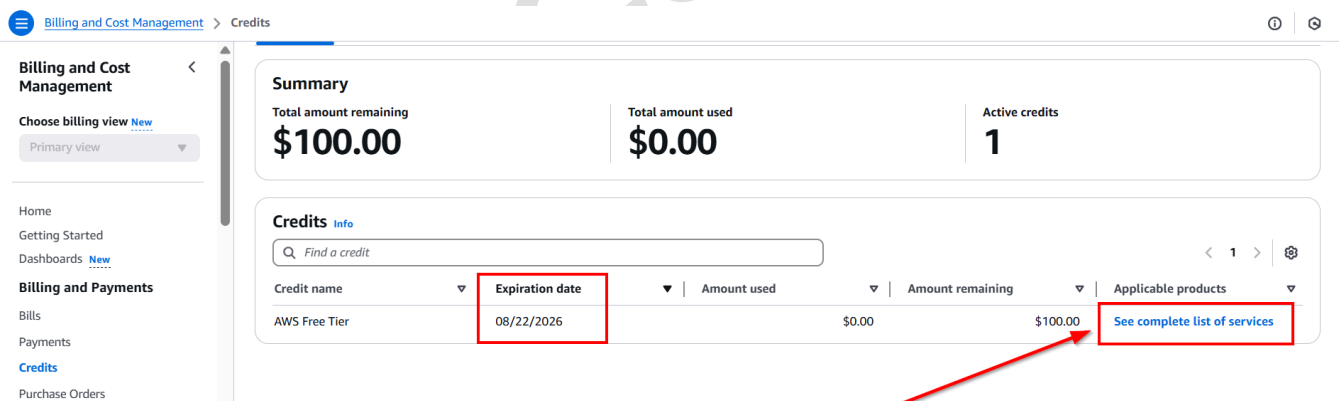
**Credits** info  
Find a credit

Credit name	Expiration date	Amount used	Amount remaining	Applicable products
AWS Free Tier	08/22/2026	\$0.00	\$100.00	<a href="#">See complete list of services</a>

This will show the remaining credits and any upcoming expiration dates. You can monitor your usage and ensure you're within the allocated free credit limits.

**Note:** You gain \$100 USD credits at sign-up and up, and to get \$100 USD more, you need to explore key AWS services, such as EC2, S3.

3. Now you can see what services can be used with these credits.



**Billing and Cost Management** > Credits

Choose billing view [New](#)  
Primary view

Home  
Getting Started  
Dashboards [New](#)

**Billing and Payments**  
Bills  
Payments  
**Credits**  
Purchase Orders

**Credits** info Redeem credit

Credits Last 6 months of inactive credits

**Summary**  
Total amount remaining: **\$100.00**  
Total amount used: **\$0.00**  
Active credits: **1**

**Credits** info  
Find a credit

Credit name	Expiration date	Amount used	Amount remaining	Applicable products
AWS Free Tier	08/22/2026	\$0.00	\$100.00	<a href="#">See complete list of services</a>

## Complete list of services



These services can be used with the associated credit:

- AWS Amplify
- AWS App Runner
- AWS App Studio
- AWS AppFabric
- AWS AppSync
- AWS Application Migration Service
- AWS Audit Manager
- AWS B2B Data Interchange
- AWS Backup
- AWS Billing Conductor
- AWS Budgets
- AWS Certificate Manager
- AWS Certificate Manager
- AWS Clean Rooms
- AWS Cloud Map
- AWS Cloud WAN
- AWS CloudFormation
- AWS CloudHSM
- AWS CloudTrail
- AWS CodeArtifact
- AWS CodeCommit
- AWS CodeDeploy
- AWS CodePipeline
- AWS Compute Optimizer
- AWS Config
- AWS Cost Explorer
- AWS Data Exchange
- AWS Data Pipeline

Cancel

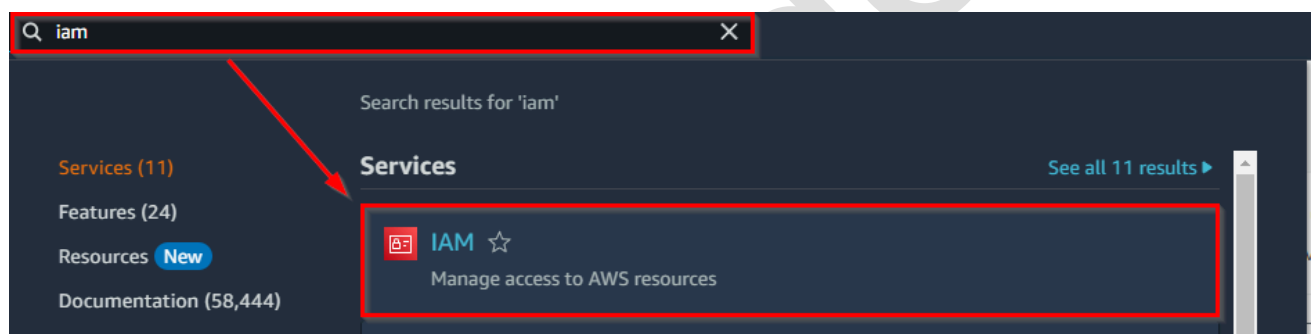
Ok

## 7 ADD MFA TO YOUR ACCOUNT

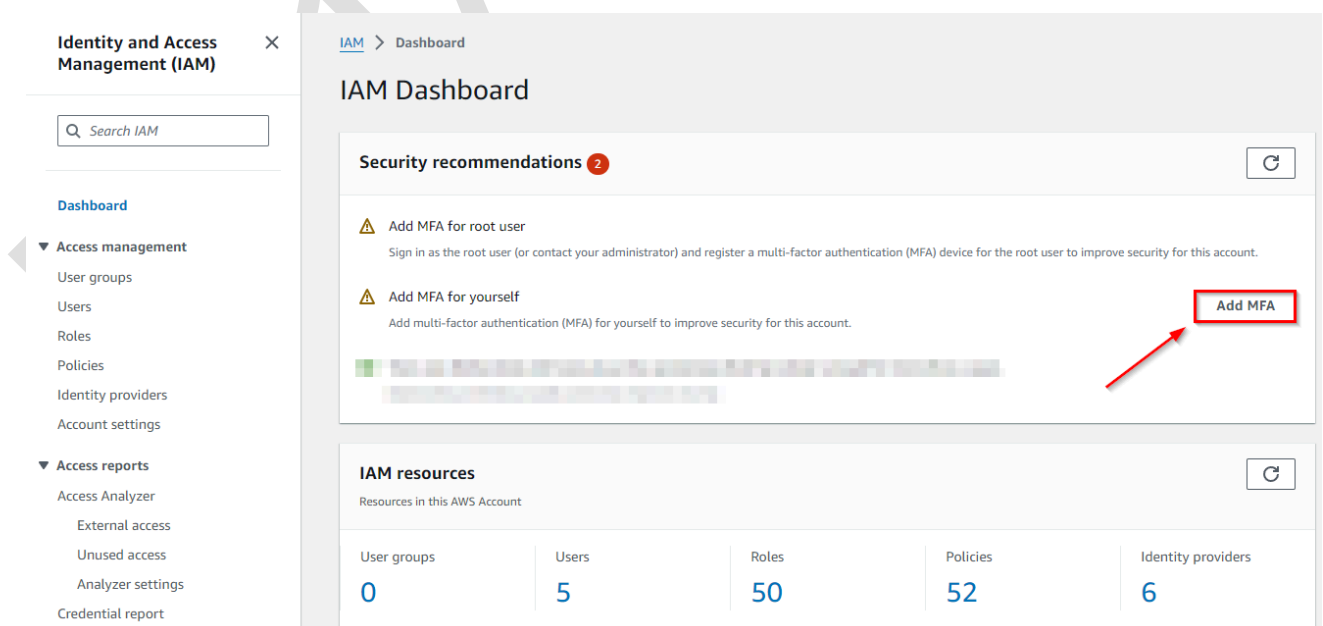
**MFA (Multi-Factor Authentication)** adds an extra layer of security to your AWS account by requiring two forms of identification: something you know (your password) and something you have (a temporary code from an authenticator app or hardware device).

This helps protect your account from unauthorized access, even if your password is compromised. Enabling MFA ensures that only authorized users can access sensitive data and perform critical actions in your AWS account, significantly reducing the risk of security breaches.

### 1. Navigate to IAM



### 2. In the IAM dashboard, you will see the Add MFA button. Click on it



3. Provide the **MFA device name**, and then **select the MFA device** as the **Authenticator app**. Click on Next.

☰ IAM > Security credentials > Assign MFA device

Step 1  
 **Select MFA device**

Step 2  
 Set up device

### Select MFA device [Info](#)

**MFA device name**

**Device name**  
This name will be used within the identifying ARN for this device.

Maximum 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ \_ - (hyphen)

---

### MFA device

**Device options**  
In addition to username and password, you will use this device to authenticate into your account.

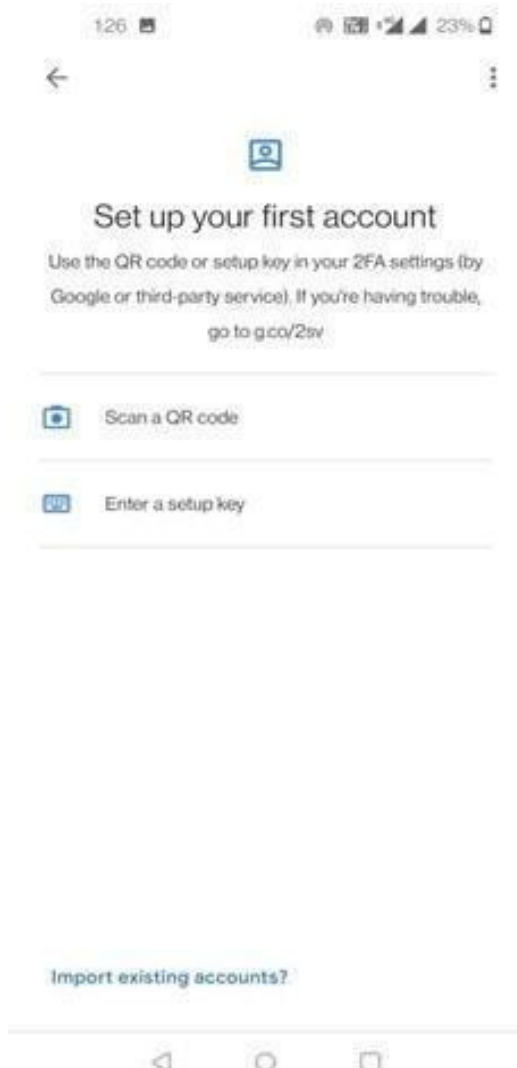
- Passkey or security key**  
Authenticate using your fingerprint, face, or screen lock. Create a passkey on this device or use another device, like a FIDO2 security key.
- Authenticator app**  
Authenticate using a code generated by an app installed on your mobile device or computer.
- Hardware TOTP token**  
Authenticate using a code generated by Hardware TOTP token or other hardware devices.

[Cancel](#) [Next](#)

4. Now, install Google Authenticator on your phone.

- Android: [Click here](#)
- IOS: [Click here](#)

5. Now open the Google Authenticator App, click on Get Started, and scan the QR code.




6. Now, **click on Show QR Code in AWS Console** and **open the Google Authenticator app on your phone**. Scan the code on the phone and then enter the code from your Phone into MFA code 1 and MFA code 2.  
Then, click on the **Add MFA button**.

## Set up device Info

### Authenticator app

A virtual MFA device is an application running on your device that you can configure by scanning a QR code.

- 1 Install a compatible application such as Google Authenticator, Duo Mobile, or Authy app on your mobile device or computer.  
[See a list of compatible applications](#)
- 2  Open your authenticator app, choose **Show QR code** on this page, then use the app to scan the code. Alternatively, you can type a secret key. [Show secret key](#)
- 3 Fill in two consecutive codes from your MFA device.
 

MFA code 1

MFA code 2

Cancel Previous **Add MFA**

**Note: Take a screenshot of the code so that in the future, if you lose your phone, you can use it to re-enable MFA**

7. Now you will see that the device has been added for MFA

✔ **MFA device assigned** ✕

You can register up to 8 MFA devices of any combination of the currently supported MFA types with your AWS account root and IAM user. With multiple MFA devices, you only need one MFA device to sign in to the AWS console or create a session through the AWS CLI with that user.

#### Account details Edit account name, email, and password

Account name DeepthiK21	Email address deepthit@k21academy.com
AWS account ID 225043157131	Canonical user ID df2935233ef6cca32082f5673d9666e98fa0064fddbc52662c441d6e610fca96

**Multi-factor authentication (MFA) (1)** Remove Resync Assign MFA device

Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. Each user can have a maximum of 8 MFA devices assigned. [Learn more](#)

Device type	Identifier	Certifications	Created on
<input type="radio"/> Virtual	arn:aws:iam::225043157131:mfa/K21Academy	Not Applicable	2 minutes ago

Now you have successfully **activated MFA on your root account** settings

## 7.1 Accessing AWS Console Using MFA

After logging in with your email and password, you will be prompted to enter the **MFA code**. Open your **Google Authenticator** app, retrieve the code, and enter it into the AWS Console to complete the login process. This ensures an added layer of security for your account.

1. Open your AWS console login page and click on **Root User**, then **enter your email ID** and click on **Next**.



### Sign in

**Root user**  
Account owner that performs tasks requiring unrestricted access. [Learn more](#)

**IAM user**  
User within an account that performs daily tasks. [Learn more](#)

Root user email address

**Next**



2. Enter your **Password** corresponding to the **Email address**.



### Root user sign in

Email:

Password [Forgot password?](#)

[Sign in to a different account](#)

[Create a new AWS account](#)



3. Use your **Google Authenticator** Application on mobile and **enter the MFA code** in the **AWS Console**.



### Multi-factor authentication

Your account is secured using multi-factor authentication (MFA). To finish signing in, turn on or view your MFA device and type the authentication code below.

Email address:

MFA code

[Troubleshoot MFA](#)

[Cancel](#)



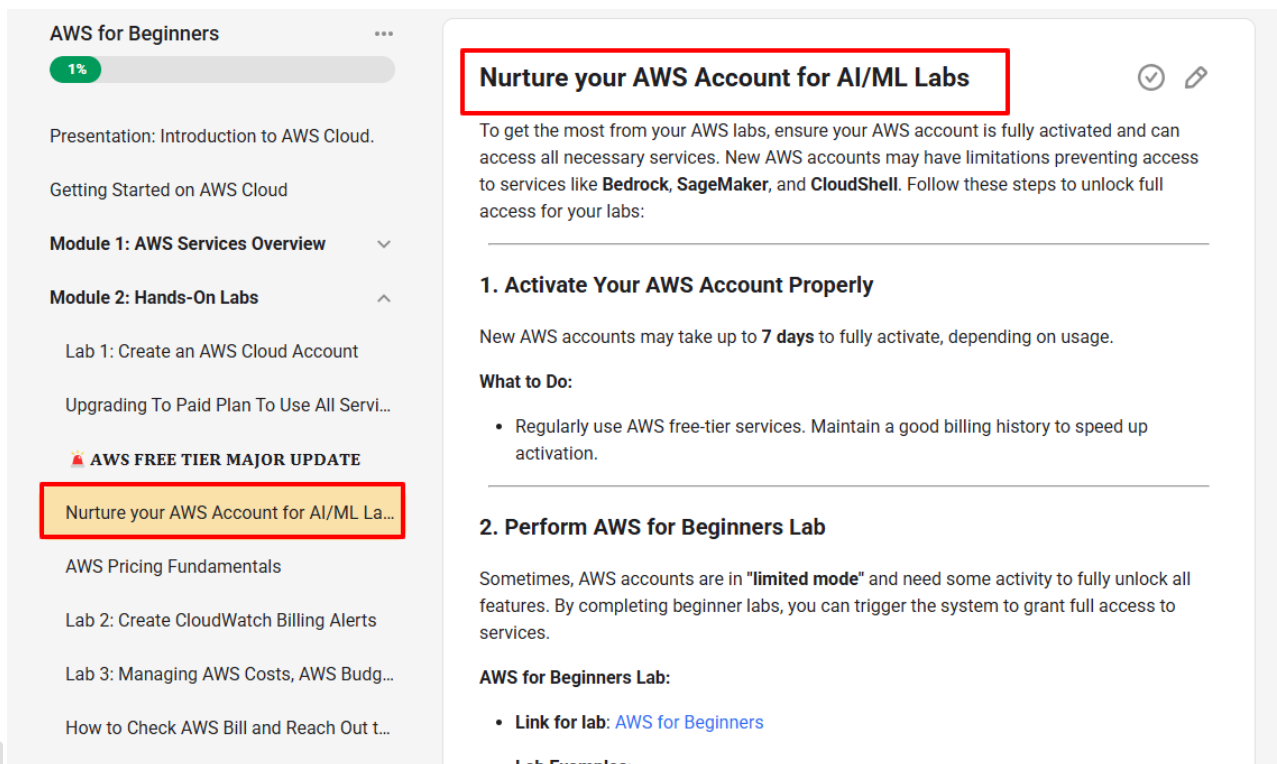
***Now we have successfully logged in to the AWS account with Password and MFA.***

**Note Regarding AIML Labs:** Please note that AWS account setup may take 7 days for full activation.

To ensure smooth access to AI/ML labs, we recommend nurturing your account during this period by performing basic labs such as working with S3, launching a small EC2 instance, and exploring other foundational services. This will help prepare your account for more advanced tasks.

**Link to refer:**

<https://www.skool.com/k21academy/classroom/d1c70428?md=fdf3083b947e442c931382225c7af88e>



The screenshot shows a course interface for 'AWS for Beginners'. The left sidebar lists course modules and labs, with 'Nurture your AWS Account for AI/ML La...' highlighted in a red box. The main content area features a red-bordered box with the title 'Nurture your AWS Account for AI/ML Labs'. Below this, the text explains that new AWS accounts may have limitations and provides steps to unlock full access. The first step is '1. Activate Your AWS Account Properly', which includes a 'What to Do' section with a bullet point: 'Regularly use AWS free-tier services. Maintain a good billing history to speed up activation.' The second step is '2. Perform AWS for Beginners Lab', which includes a link for the lab and a section for 'Lab Examples'.

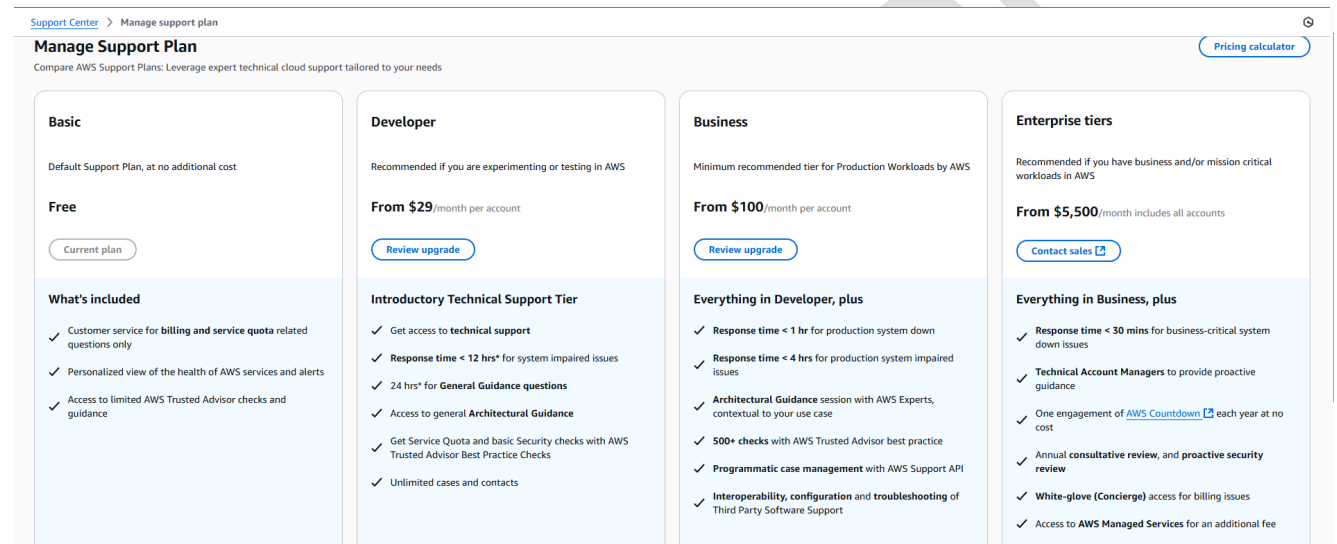
## 8 AWS SUPPORT PLAN (OPTIONAL)

AWS Support offers four support plans: **Basic**, Developer, Business, and Enterprise. By default, we have a basic plan, and if you want to change your plan, you can change it accordingly.

**Note:** Basic is enough for performing all the labs in our courses

To verify your account plan, click on this link:

<https://console.aws.amazon.com/support/plans/home#/>



The screenshot shows the AWS Support Plan comparison page. At the top, it says "Support Center > Manage support plan" and "Manage Support Plan". Below this, it says "Compare AWS Support Plans: Leverage expert technical cloud support tailored to your needs". There is a "Pricing calculator" button in the top right corner.

Basic	Developer	Business	Enterprise tiers
Default Support Plan, at no additional cost	Recommended if you are experimenting or testing in AWS	Minimum recommended tier for Production Workloads by AWS	Recommended if you have business and/or mission critical workloads in AWS
<b>Free</b>	<b>From \$29</b> /month per account	<b>From \$100</b> /month per account	<b>From \$5,500</b> /month includes all accounts
<a href="#">Current plan</a>	<a href="#">Review upgrade</a>	<a href="#">Review upgrade</a>	<a href="#">Contact sales</a>
<b>What's included</b> <ul style="list-style-type: none"> <li>✓ Customer service for <b>billing and service quota</b> related questions only</li> <li>✓ Personalized view of the health of AWS services and alerts</li> <li>✓ Access to limited AWS Trusted Advisor checks and guidance</li> </ul>	<b>Introductory Technical Support Tier</b> <ul style="list-style-type: none"> <li>✓ Get access to <b>technical support</b></li> <li>✓ <b>Response time &lt; 12 hrs*</b> for system impaired issues</li> <li>✓ 24 hrs* for <b>General Guidance questions</b></li> <li>✓ Access to general <b>Architectural Guidance</b></li> <li>✓ Get Service Quota and basic Security checks with AWS Trusted Advisor Best Practice Checks</li> <li>✓ Unlimited cases and contacts</li> </ul>	<b>Everything in Developer, plus</b> <ul style="list-style-type: none"> <li>✓ <b>Response time &lt; 1 hr</b> for production system down</li> <li>✓ <b>Response time &lt; 4 hrs</b> for production system impaired issues</li> <li>✓ <b>Architectural Guidance</b> session with AWS Experts, contextual to your use case</li> <li>✓ <b>500+</b> checks with AWS Trusted Advisor best practice</li> <li>✓ <b>Programmatic case management</b> with AWS Support API</li> <li>✓ <b>Interoperability, configuration and troubleshooting</b> of Third Party Software Support</li> </ul>	<b>Everything in Business, plus</b> <ul style="list-style-type: none"> <li>✓ <b>Response time &lt; 30 mins</b> for business-critical system down issues</li> <li>✓ <b>Technical Account Managers</b> to provide proactive guidance</li> <li>✓ One engagement of <b>AWS Countdown</b> each year at no cost</li> <li>✓ <b>Annual consultative review, and proactive security review</b></li> <li>✓ <b>White-glove (Concierge)</b> access for billing issues</li> <li>✓ Access to <b>AWS Managed Services</b> for an additional fee</li> </ul>

## 9 HOW TO REACTIVATE YOUR AWS ACCOUNT (OPTIONAL)

To reactivate your AWS account after making the necessary payments, follow these steps:

1. Log in to your AWS Management Console.
2. Access the Billing and Cost Management Dashboard.
3. If your balance is cleared, AWS will automatically lift the suspension. If the suspension isn't lifted, navigate to the **"Support Center"** via the management console.
4. In the Support Center, create a support case. Choose **"Account and Billing Support"** and provide the necessary details regarding your issue.

If the reactivation doesn't happen automatically or you encounter any issues, it's advisable to reach out to AWS Support for assistance.

For detailed steps, you can refer to AWS's documentation on managing your account and billing:

<https://docs.aws.amazon.com/awsaccountbilling/latest/aboutv2/manage-account-payment.html>

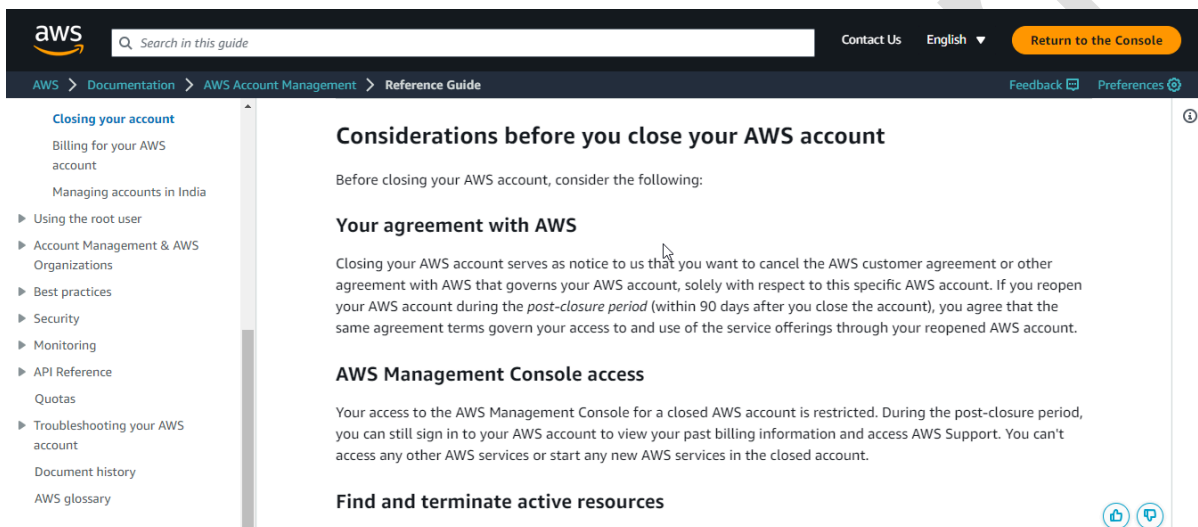
**Note: Sometimes account services can take up to 24 hours to reactivate an account. If you have paid your past due charges in full and your account isn't reactivated within 24 hours, then contact AWS Support.**

## 10 HOW TO DELETE/CLOSE YOUR AWS ACCOUNT (OPTIONAL)

Please note that **closing your AWS account is not necessary** for now, as you may need it for future use after 6 months or 1 year. If you choose to keep your account, it will remain active for future access. However, if you decide to delete your AWS account, you can follow the steps outlined below.

Here are the steps to delete or close your AWS account:

1. Review [Considerations before you close your AWS account](#).



The screenshot shows the AWS documentation page for "Considerations before you close your AWS account". The page is part of the "Reference Guide" under "AWS Account Management". The main content includes:

- Before closing your AWS account, consider the following:**
- Your agreement with AWS:** Closing your AWS account serves as notice to us that you want to cancel the AWS customer agreement or other agreement with AWS that governs your AWS account, solely with respect to this specific AWS account. If you reopen your AWS account during the *post-closure period* (within 90 days after you close the account), you agree that the same agreement terms govern your access to and use of the service offerings through your reopened AWS account.
- AWS Management Console access:** Your access to the AWS Management Console for a closed AWS account is restricted. During the post-closure period, you can still sign in to your AWS account to view your past billing information and access AWS Support. You can't access any other AWS services or start any new AWS services in the closed account.
- Find and terminate active resources**

2. Sign in as the root user of the account that you want to close, using the email address and password that are associated with the account. If you sign in as an AWS Identity and Access Management (IAM) user or role, you can't close an account.



## Sign in

**Root user**

Account owner that performs tasks requiring unrestricted access. [Learn more](#)

**IAM user**

User within an account that performs daily tasks. [Learn more](#)

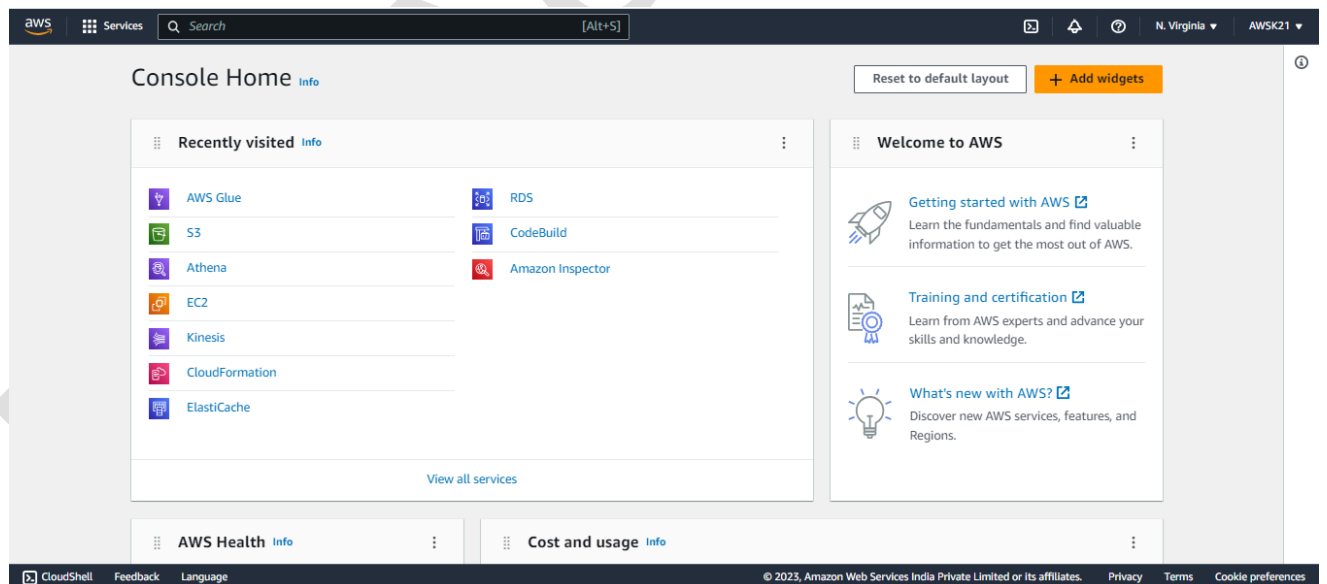
### Root user email address

deepak@k21academy.com

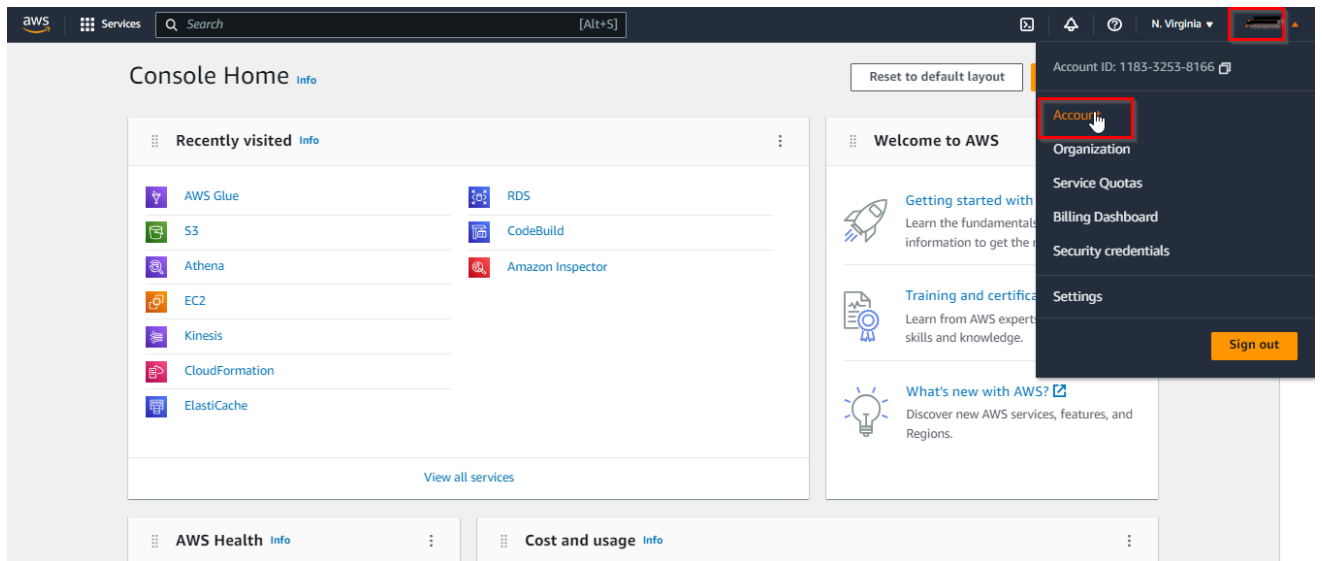
Next

By continuing, you agree to the [AWS Customer Agreement](#) or other agreement for AWS services, and the [Privacy Notice](#). This site uses essential cookies. See our [Cookie Notice](#) for more information.

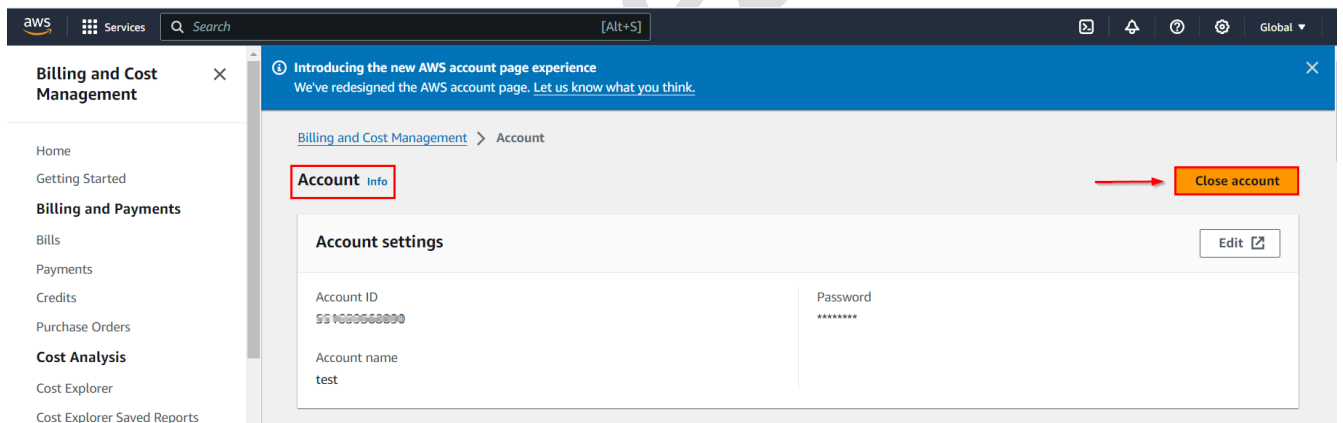
3. Once you have signed in to your AWS account, your console home will look like this:



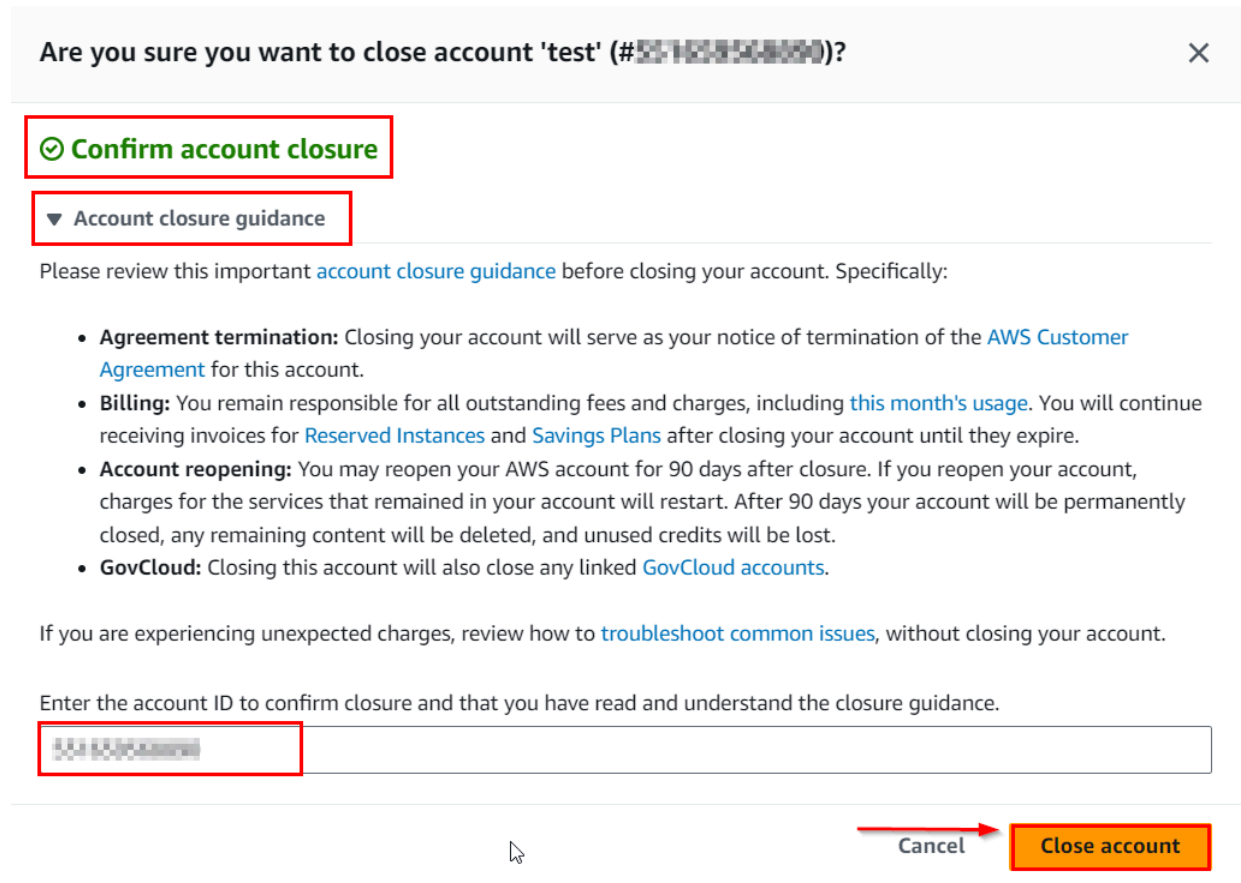
4. On the navigation bar in the upper-right corner, choose your account name (or alias), and then choose Account.



5. On the Account Settings page, use the 'Close Account' button at the top right of the page to close this account. **After you close an AWS account, you can no longer use it to access AWS services.**



- Click on the Account closure guidance and then read the guidance before closing the account. Then enter the Account ID and click on **Close account**.



Are you sure you want to close account 'test' (#5571623856480290)?

**Confirm account closure**

Account closure guidance

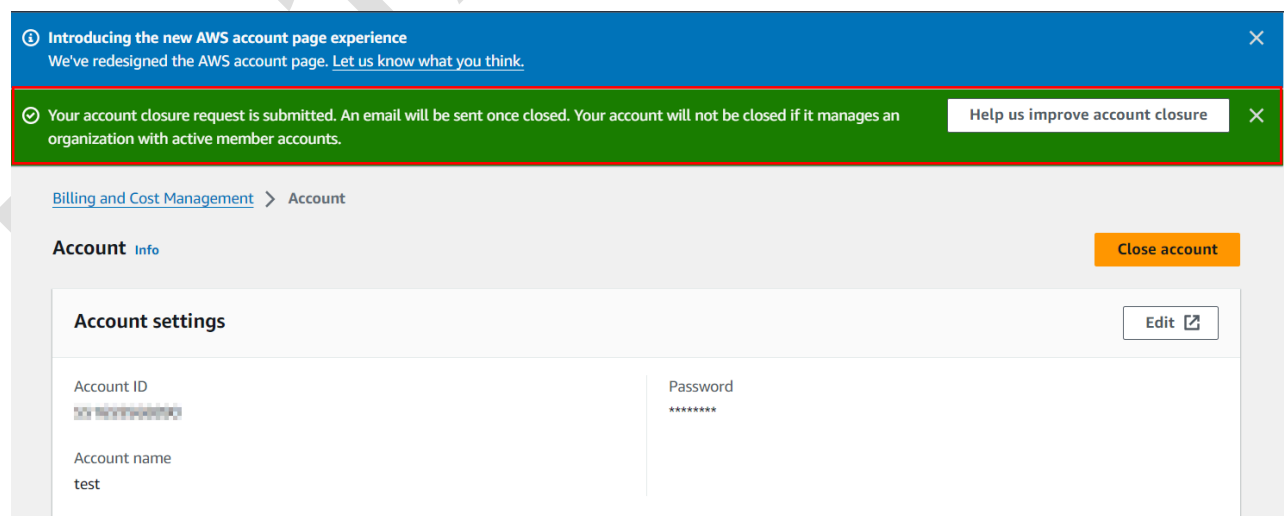
Please review this important [account closure guidance](#) before closing your account. Specifically:

- Agreement termination:** Closing your account will serve as your notice of termination of the [AWS Customer Agreement](#) for this account.
- Billing:** You remain responsible for all outstanding fees and charges, including [this month's usage](#). You will continue receiving invoices for [Reserved Instances](#) and [Savings Plans](#) after closing your account until they expire.
- Account reopening:** You may reopen your AWS account for 90 days after closure. If you reopen your account, charges for the services that remained in your account will restart. After 90 days your account will be permanently closed, any remaining content will be deleted, and unused credits will be lost.
- GovCloud:** Closing this account will also close any linked [GovCloud accounts](#).

If you are experiencing unexpected charges, review how to [troubleshoot common issues](#), without closing your account.

Enter the account ID to confirm closure and that you have read and understand the closure guidance.

- Once done, you will receive a notification like this



**Introducing the new AWS account page experience**  
We've redesigned the AWS account page. [Let us know what you think.](#)

**Your account closure request is submitted.** An email will be sent once closed. Your account will not be closed if it manages an organization with active member accounts.

[Billing and Cost Management](#) > [Account](#)

**Account** [Info](#)

**Account settings**

Account ID 5571623856480290	Password *****
Account name test	

- Please check your email to find the message below from AWS.



Greetings from Amazon Web Services,

This e-mail confirms that you have closed your Amazon Web Services account.

If you closed your AWS account after the first day of any month you may still receive another bill. Please see the [Billing & Cost Management Console](#) for details about any remaining charges applicable to the services you have used. You may also download any past billing statement or tax documents in the [Billing & Cost Management Console](#).

Your account will permanently close in 90 days, after which you will not be able to reopen your account and AWS will delete the content remaining in your account. To reopen your account before it is permanently closed, (1) you must contact [AWS Support](#) as soon as possible, and (2) we must receive full payment of any outstanding balance, including providing required information as specified on the invoice, within 60 days from the date of this email.

If you wish to download any past statements or tax invoices you can do so [here](#) (select the month and expand the summary section to download the payment invoices and/or tax documents), you will not be able to do this after 90 days.

For more details, please see the [Amazon Web Services Account Closure page](#).

Sincerely,

Amazon Web Services

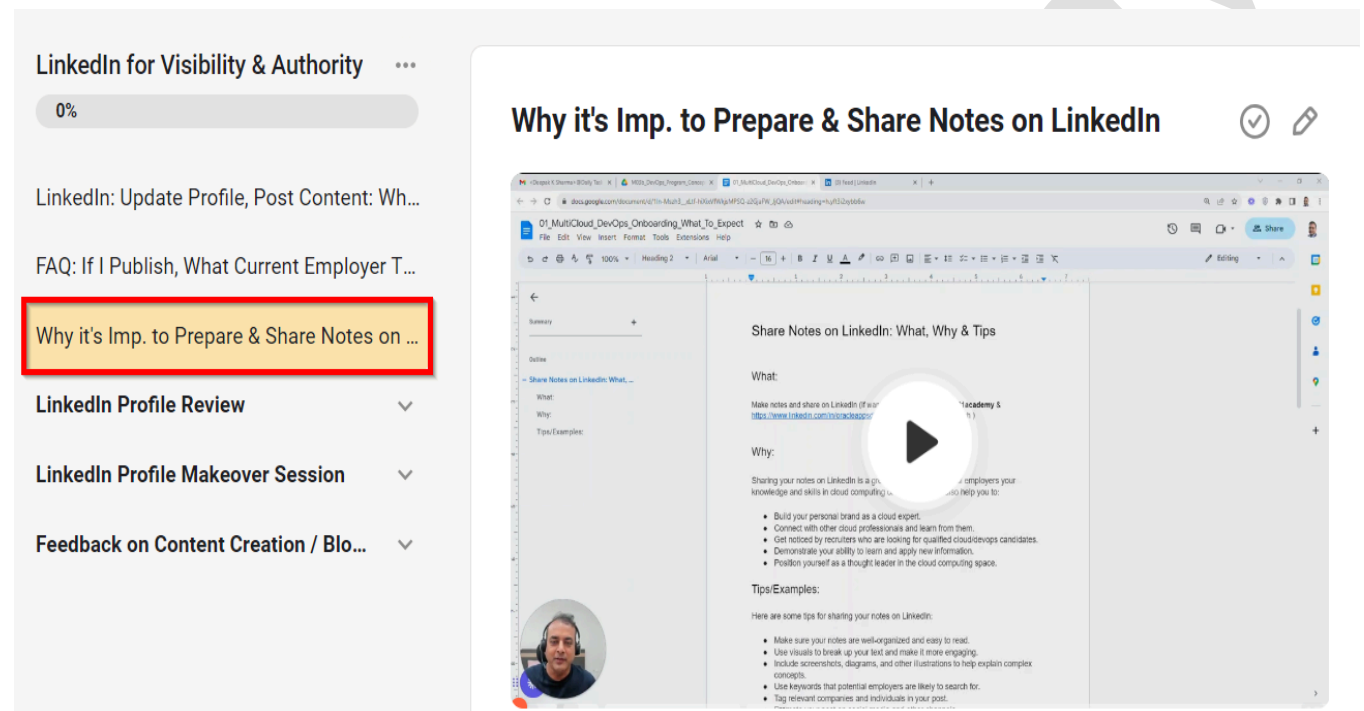
**Thus, your AWS Account has been successfully deleted.**

## 11 SHARE YOUR LEARNINGS ON LINKEDIN & COMMUNITY

In this section, you will learn how to share whatever you learned during this lab on LinkedIn and WhatsApp.

Please watch the below 📺 video below to understand why it's important to post & how to post:

<https://www.skool.com/k21academy/classroom/0c24b6af>



The screenshot shows a LinkedIn course interface. On the left, a sidebar lists course topics: 'LinkedIn for Visibility & Authority' (0% progress), 'LinkedIn: Update Profile, Post Content: Wh...', 'FAQ: If I Publish, What Current Employer T...', 'Why it's Imp. to Prepare & Share Notes on ...' (highlighted with a red box), 'LinkedIn Profile Review', 'LinkedIn Profile Makeover Session', and 'Feedback on Content Creation / Blo...'. The main content area displays the title 'Why it's Imp. to Prepare & Share Notes on LinkedIn' with a play button icon. Below the title, there is a video player showing a document titled 'Share Notes on LinkedIn: What, Why & Tips'. The document content includes sections for 'What', 'Why', and 'Tips/Examples'.

🧑💻 As you know, building a strong professional profile is essential in today's job market. One way to showcase your skills and knowledge is by sharing your labs and projects on LinkedIn.

Your LinkedIn profile is a powerful tool in your job search. Sharing your labs and projects is just one way to demonstrate your expertise and stand out to potential employers. If you don't have LinkedIn, we strongly recommend you create one for yourself.

📝💻 By doing so, you can demonstrate to potential employers or connections that you have hands-on experience in your field and are actively engaged in learning and growing your skills.

## 11.1 On LinkedIn

Take a screenshot and share it on your LinkedIn. So, this will attract recruiters and employers to your profile and increase your reach. **Do remember to tag**

K21Academy ( <https://www.linkedin.com/company/k21academy> ) & Atul Kumar ( <https://www.linkedin.com/in/atulk21academy/> ) as we will circulate in our network too to increase your reach.

Example Video & Post

<https://www.skool.com/k21academy/classroom/0c24b6af>

LinkedIn for Visibility & Authority ...

40%

LinkedIn: Update Profile, Post Content: Wh...

FAQ: If I Publish, What Current Employer T...

Why it's Imp. to Prepare & Share Not... ✓

Example Post: What & How to Post ... ✓

Useful ChatGPT Prompts ✓

How to create LinkedIn Banner from Canv...

LinkedIn Profile Review ^

Neha: LinkedIn Feedback to Updat... ✓

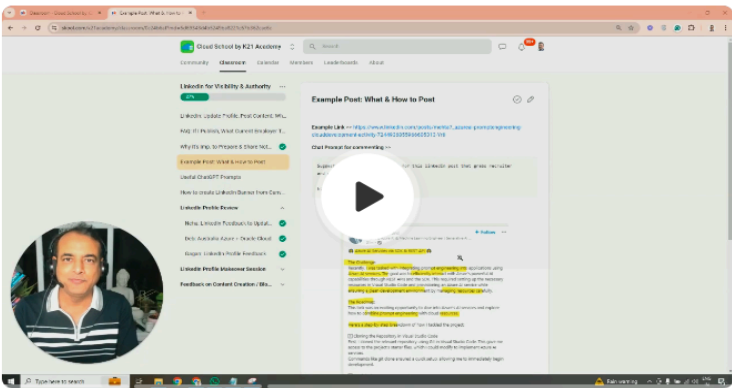
Deb: Australia Azure + Oracle Cloud ✓

Gagan: LinkedIn Profile Feedback ✓

LinkedIn Profile Makeover Session ∨

Feedback on Content Creation / Blo... ∨

### Example Post: What & How to Post & Commenting ✓ ✎



**Example Link >>** [https://www.linkedin.com/posts/mehta7\\_azureai-promptengineering-clouddevelopment-activity-724493685966605313-Yrti](https://www.linkedin.com/posts/mehta7_azureai-promptengineering-clouddevelopment-activity-724493685966605313-Yrti)

**Chat Prompt for commenting >>**

Suggest useful, engaging comment for this linkedIn post that grabs recruiter and potetnial employers attention

[https://www.linkedin.com/\\*\\*\\*\\*\\*](https://www.linkedin.com/*****)

Check this LinkedIn post example



Adalakun Joshua • 3rd+

+ Follow ...

1d • Edited • 🔒

### AWS CLOUDWATCH BILLING ALARM

#### Problem:

Today, one of my clients reached out to me. They have AWS billing challenges. They just got an email alert from AWS stating that, they have to pay certain amount of bills. When they evaluated their end of the month service bills, they discovered that they are billed for a lot of services that they are actually not using on a day-to-day basis. But unfortunately, they didnt properly monitor and manage their aws resources, which incur charges.

#### My recommendation:

I recommended AWS Cloudwatch alarm to my client. And i configure the cloudwatch alarm for them.

#### AWS Cloudwatch:

Amazon CloudWatch is a monitoring and management service that provides data and actionable insights for AWS, on-premises, hybrid, and other cloud applications and infrastructure resources.

#### How I Set the Cloudwatch Billing Alarm Up:

1. I Opened the CloudWatch console at <https://lnkd.in/gugv5tEE> ✓.
2. In the navigation pane, I choose Alarms, and then choose All alarms. I Chosed Create alarm.
3. Then, I Selected 'metric'. In Browse, I choose 'Billing', and then 'Total Estimated Charge'.
4. I Selected the box for the 'EstimatedCharges metric', and then I choose 'Select metric'.
5. For 'Statistic', I choose Maximum.
6. For 'Period', I choose 6 hours.
7. For 'Threshold type', I choose Static.
8. For 'Whenever EstimatedCharges is' . . ., I selected Greater. For 'than' . . ., I defined the value that i want to cause the alarm to trigger. For example \$10 USD.

SNS topic included the email address by which my client will receive email when the billing amount crosses the billing threshold specified.

Note:

You can select an existing Amazon SNS topic, create a 'new Amazon SNS topic', or use a topic ARN to notify other account. If you want your alarm to send multiple notifications for the same alarm state or for different alarm states, choose 'Add notification'.

11. I chose Next.

12. Under Name and description, I entered a name for the alarm. (Optional) Enter a description of the alarm.

13. Then I Chose 'Next'.

14. Under 'Preview and create', after confirming that the configuration is correct, and then I chose 'Create alarm'.

Conclusion: Organization that properly set up a cloudwatch billing alarm, will be able to properly monitor their aws resources usage. The metrics provided by the cloudwatch alarm through the dashboard will also help the organization to effectively control their spending.

#aws

#awscloud

#JTechconsult

#K21Academy: Learn Cloud From Experts

#AtulKumar

#SumtiMehta

Cloudwatch billing alarm architectural diagram:



Other examples:

<http://go.k21academy.com/4ISBFcz>

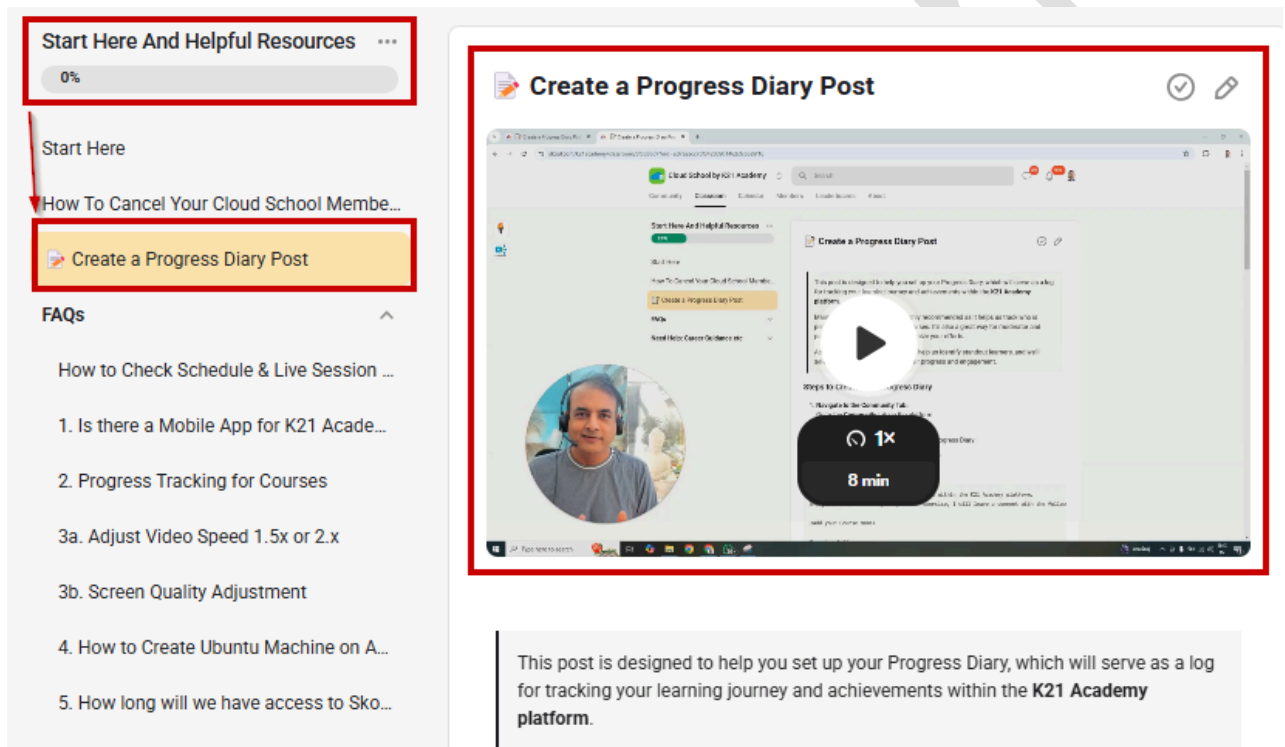
<http://go.k21academy.com/4IS1GbD>

## 11.2 Share Your Win on the Community

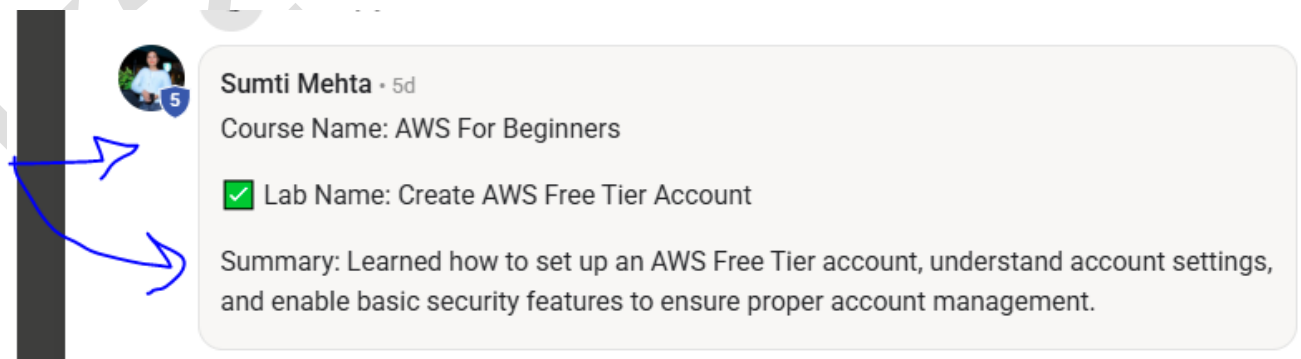
Share screenshots in Cloud School Community under your **‘Progress Diary’** ( If you have not created a Progress Diary yet, then check at

<https://www.skool.com/k21academy/classroom/8f3838d7?md=ad7a2acc7df34280901462cf65e9f16> ).

This will boost your confidence in the progressive path you are following, and encourage/inspire others to perform these hands-on labs.



The screenshot shows the Skool community interface. On the left, a sidebar titled "Start Here And Helpful Resources" (0%) contains a "Start Here" section with a link to "How To Cancel Your Cloud School Membe..." and a highlighted "Create a Progress Diary Post" link. Below this is an "FAQs" section with five questions. On the right, a video player titled "Create a Progress Diary Post" is shown, featuring a video thumbnail of a man with a headset and a play button. The video duration is 8 minutes. Below the video, a text box explains: "This post is designed to help you set up your Progress Diary, which will serve as a log for tracking your learning journey and achievements within the **K21 Academy platform**."



The screenshot shows a community post by Sumti Mehta, posted 5 days ago. The post details are as follows:

- Course Name:** AWS For Beginners
- Lab Name:** Create AWS Free Tier Account (marked with a green checkmark)
- Summary:** Learned how to set up an AWS Free Tier account, understand account settings, and enable basic security features to ensure proper account management.

## 12 TROUBLESHOOTING

In this section, we will be adding the commonly occurring errors while performing the lab. In this section, we will be adding common errors you might hit while performing the lab.

**Note:** If you hit any issue in performing this lab, then add your issue in the thread below this lab (linked to this thread in the community)

<https://www.skool.com/k21academy/issues-qa-aws-account-creation-post-here>

25%

Presentation: Introduction to AWS Cloud.

Getting Started on AWS Cloud

Module 1: AWS Services Overview

Module 2: Hands-On Labs

Lab 1: Create AWS FREE Tier Account

AWS FREE TIER MAJOR UPDATE

Lab 2: Create CloudWatch Billing ...

Lab 3: Managing AWS Costs, AWS Budg...

How to Check AWS Bill and Reach Out t...

How to Troubleshoot Billing Issues

Q: Billing Query for Databases Migration

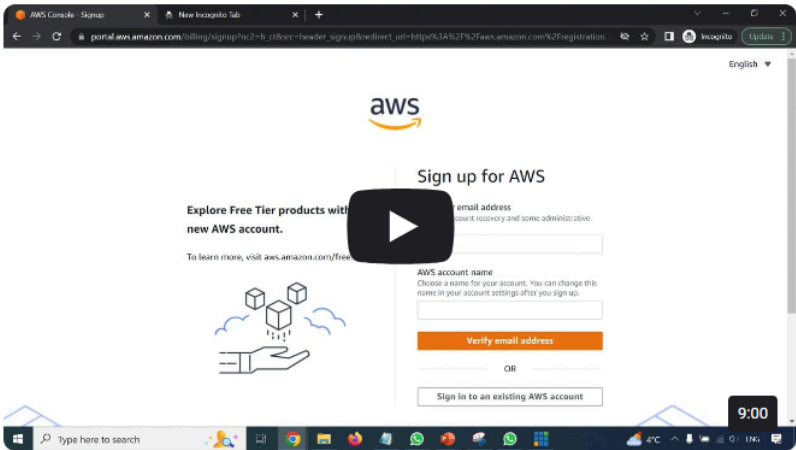
Question: Local/Wavelength zone

Lab 4: Creating & Connecting Linux Mac...

L 4.1: Mac to Connect Linux VM Connec...

Lab 5 : Creating Windows Machine On A...

### Lab 1: Create AWS FREE Tier Account



1. Step by Step Guide: [Create FREE AWS Account & Access Console](https://aws.amazon.com/free/)

<https://aws.amazon.com/free/>

**Atul Kumar**  
Dec '24 • Feedbacks

**Issues | QA: AWS Account Creation: Post Here**

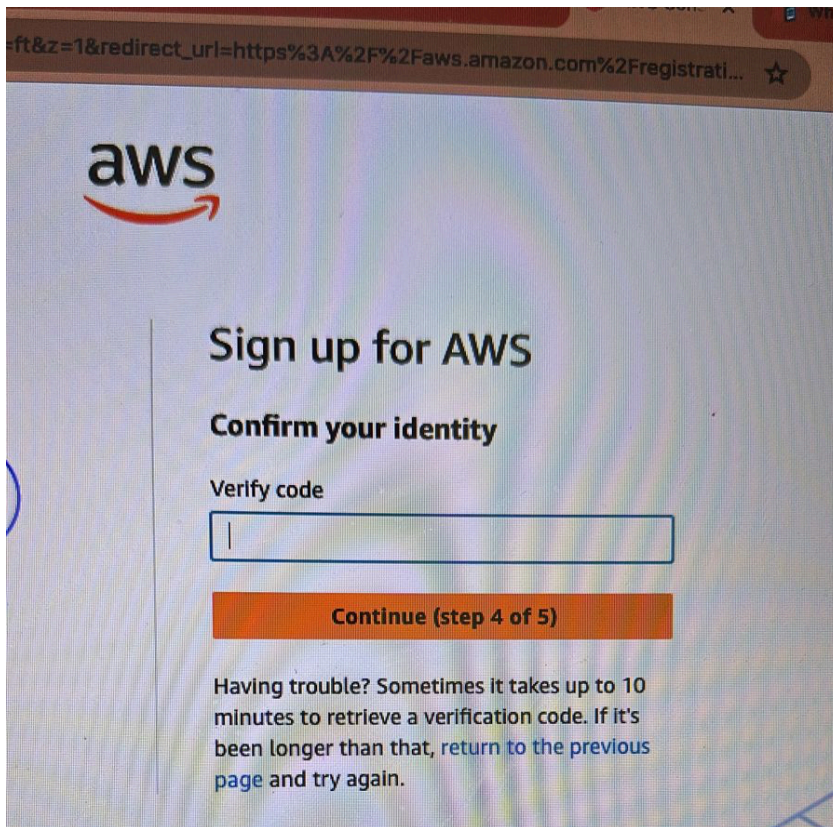
1. Go through guide & video at  
<https://www.skool.com/k21academy/classroom/d1c70428?>

2 3 Last comment Jun 9

### 12.1 OTP not received on your Mobile

#### 12.1.1 ERROR

While creating an AWS Account, I didn't receive an SMS or call to complete the identity verification process.



### 12.1.2 CAUSE

There might be some error from the backend of AWS., The Server might be busy at that time, or you might have entered the wrong number. Also, there might be a possibility that the country or country code is not supported by AWS.

### 12.1.3 Fix

There are several fixes to this issue:

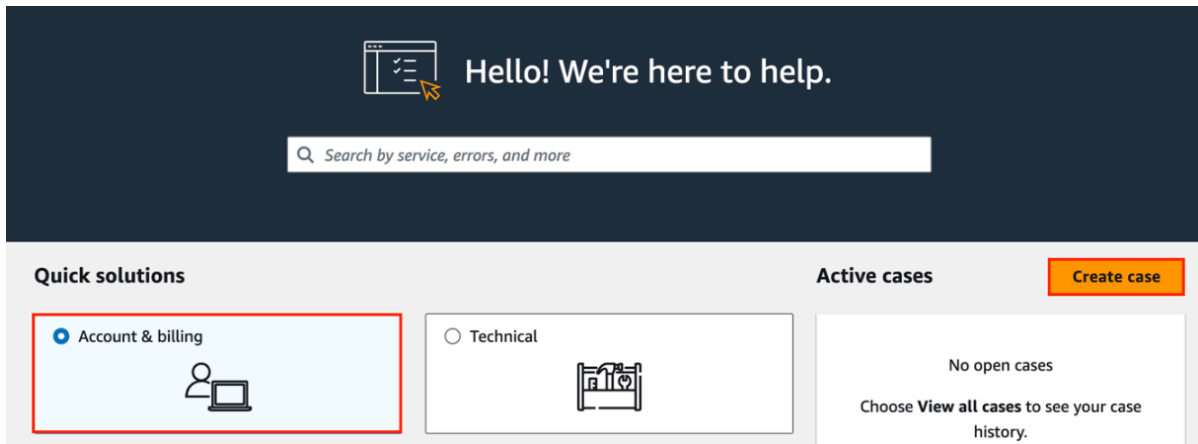
1. You've entered the correct telephone number and selected your country code correctly during the sign-up process.
2. If you have entered the Correct Telephone number & Country Code and are still not able to receive the SMS or Voice call, then you need to create a Case with the AWS Support Team. In this case, they will help you to verify the telephone number.

Please follow the steps below: Create the Case with AWS Support.

- a. Visit AWS Support from the link

<https://support.console.aws.amazon.com/support/home?region=us-east-1/>

b. Click on Create Case.



c. Select the **Account and Billing**

Service: **Account Activation**

Category: **Account Verification**

Severity: **General Question**

Click on **Next Steps: Additional Information**

**Account and billing**  
Assistance for your account, such as billing, pricing, and reserved instances.




**Technical**  
Support for service-related technical issues, such as Amazon EC2, Amazon S3 and more.

Service  
Account Activation ▼

Category  
Account Verification ▼

Severity [Info](#)  
General question ▼

Recommendations to common "Account Activation, Account Verification" questions

- [My AWS Account is Compromised - 1000X Monthly Charge](#) 
- [Service charge free tier account](#) 
- [Amazon won't take my money](#) 

▶ See more recommendations

Cancel **Next step: Additional information**

- d. Here, define the complete issues that you are facing, and then click on Solve Now or Contact Us. Once the case is created, you have the option to connect with them via Email or Live Chat to resolve your issues

## Additional information

Describe your question or issue.

### Subject

*Briefly summarize your question or issue*

Maximum 250 characters (250 remaining)

### Description

Don't share any sensitive information in case correspondences, such as credentials, credit cards, signed URLs, or personally identifiable information.

[Learn more](#)

*Describe your question or issue in detail*

Maximum 8000 characters (8000 remaining)

 **Attach files**

You can attach up to 3 files. Each file can be up to 5 MB.



### Description Guidance

To get you up and running as quickly as possible, please ensure to follow and complete all steps send via email. Please include any error messages you see.

Cancel

Previous

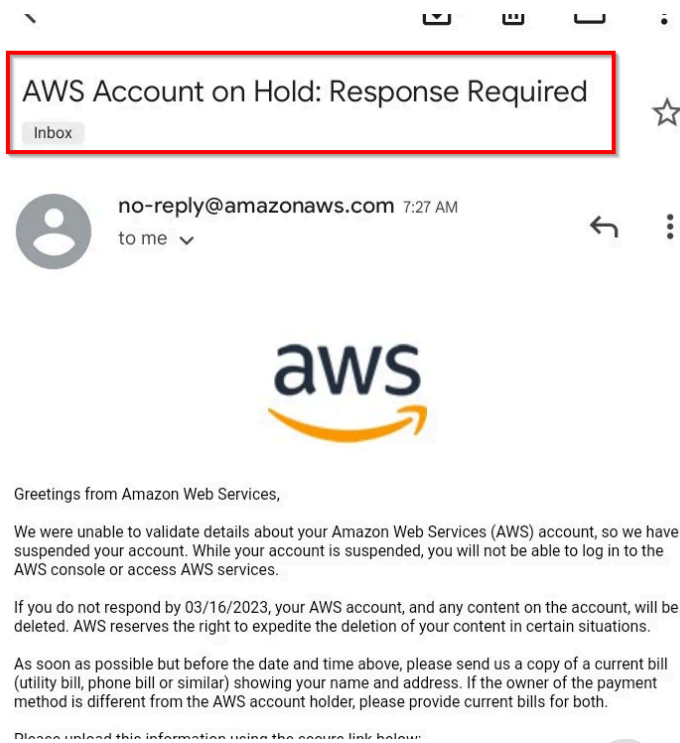
Next step: Solve now or contact us

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## 12.2 Account is on Hold

### 12.2.1 ERROR

AWS Account is on Hold



### 12.2.2 CAUSE:

There can be several reasons why an AWS account is put on hold. Some common causes include:

1. **Payment Issues:** If there are problems with the payment method linked to the AWS account, such as an expired credit card or insufficient funds, AWS may place the account on hold.
2. **Verification Required:** AWS might require additional verification of account ownership or billing information, and until the verification is completed, the account remains on hold.
3. **Security Concerns:** In some cases, AWS might detect suspicious activities or security issues associated with the account, prompting it to put it on hold for investigation

### 12.2.3 Fix

To resolve the "AWS account on hold" issue, follow these steps:

1. **Check Payment Method:** Verify the payment method associated with the AWS account and ensure it is valid and has sufficient funds. Update the payment details if necessary.
2. **Contact AWS Support:** If AWS requires additional verification or security checks, contact AWS support through the AWS Management Console or by raising a support ticket. They will guide you through the verification process.

3. **Provide Documentation:** If AWS requests documentation or identity verification, provide the necessary documents as per their instructions.
  4. **Check for Email Notifications:** Check your registered email for any communication from AWS regarding the account hold. They may have sent specific instructions or requests for action.
  5. **Contact AWS Billing Support:** If you believe there is a billing issue or a misunderstanding, reach out to AWS Billing Support for clarification and resolution.
- Keep in mind that the specific steps to resolve the issue may vary depending on the cause of the account hold. It is essential to address the root cause promptly and follow AWS instructions to lift the hold and regain access to your AWS resources.

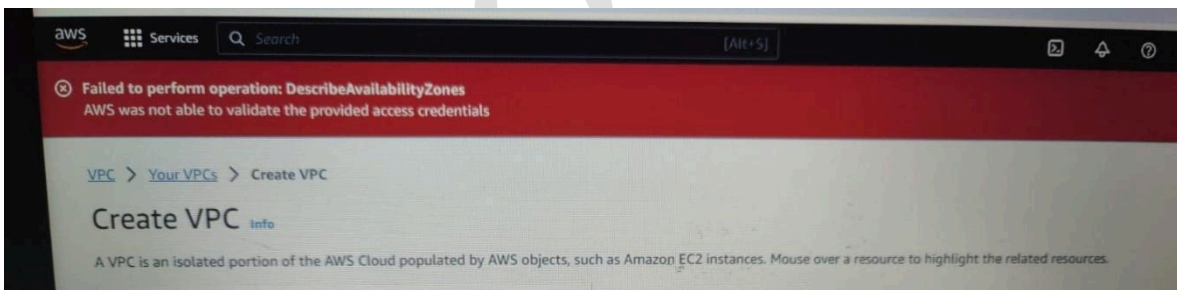
**Note: You can find all the details in your email.**

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## 12.3 AWS was not able to validate the provided access credentials

### 12.3.1 ERROR:

Failed to operate: DescribeAvailabilityZones



### 12.3.2 CAUSE

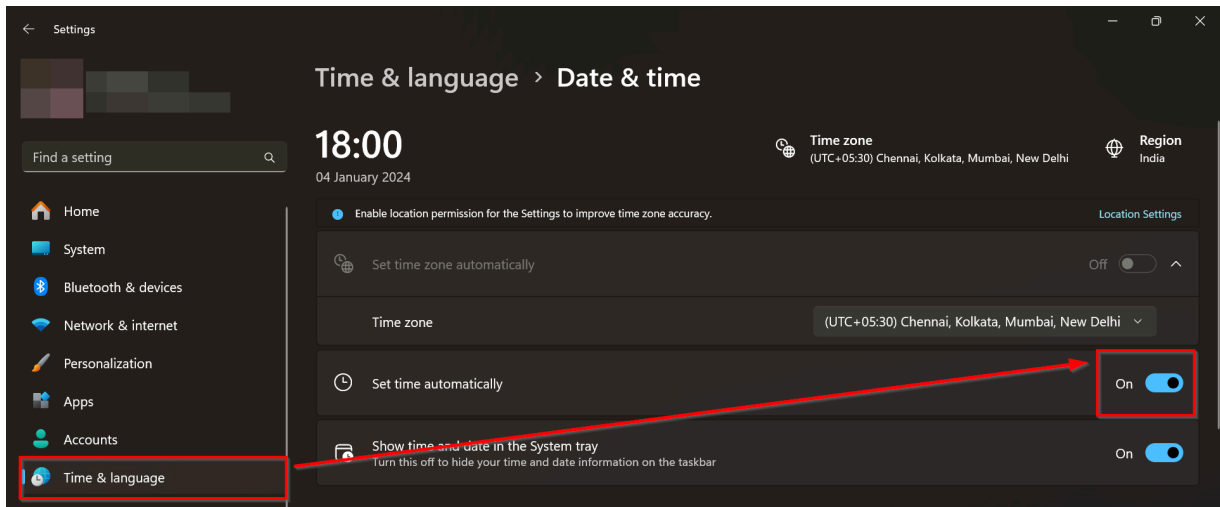
The error "Failed to operate: DescribeAvailabilityZones" indicates that AWS was unable to verify your access credentials. This means it couldn't confirm your identity and permissions to access the requested information.

This error typically occurs due to: Incorrect Time or Network connectivity issues

### 12.3.3 FIX

To fix this issue, check if the timings of your PC (Laptop/Desktop) are correct or not. If it's not correct, you can update the timings manually and select the option Enable Set Time

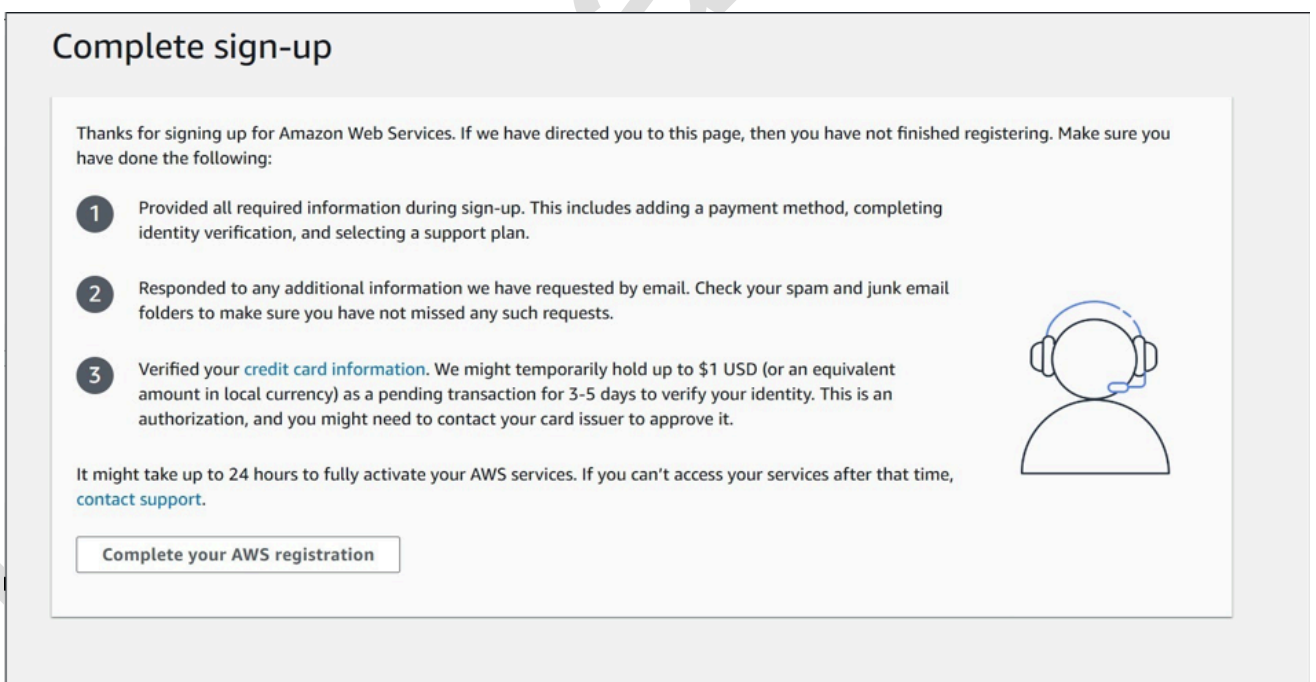
Automatic.



## 12.4 Incomplete Sign-up Process

### 12.4.1 ERROR

24-hour wait time upon logging into the AWS console



This screenshot shows the **"Complete sign-up"** page for Amazon Web Services (AWS). It indicates that the user has not finished registering for AWS. Here is an explanation of the above screenshot:

**Steps to Complete AWS Registration:**

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1. **Provided Required Information:** Ensure that you have entered all necessary information during sign-up. This includes adding a payment method, completing identity verification, and selecting a support plan.
2. **Respond to Additional Information Requests:** Check your email, including your spam and junk folders, for any requests for additional information from AWS. Make sure to respond to these requests promptly to avoid delays.
3. **Verify Credit Card Information:** AWS may temporarily hold up to \$1 USD (or an equivalent amount in local currency) as a pending transaction to verify your identity. This is an authorization charge that will be released after verification.

#### 12.4.2 CAUSE

This message typically appears when accessing certain AWS services for the first time, as AWS may require time to activate all features and services associated with your account fully.

1. **Cause:** Not all required fields were filled out during the sign-up process.
2. **Cause:** AWS has sent a request for additional information via email, which has not been answered.
3. **Cause:** The temporary hold on your credit card was not approved or recognized by your card issuer.

#### 12.4.3 FIX

To fix this Issue, refer to the fixes below:

##### **Incomplete Information**

**Cause:** Not all required fields were filled out during the sign-up process.

**Fix:** Go back and ensure all required fields are completed, including adding a valid payment method and selecting a support plan.

##### **Unanswered Requests**

**Cause:** AWS has sent a request for additional information via email, which has not been answered.

**Fix:** Check your email (including spam/junk folders) for any messages from AWS. Respond to any requests for additional information.

## Credit Card Verification Issues:

**Cause:** The temporary hold on your credit card was not approved or recognized by your card issuer.

**Fix:** Contact your card issuer to approve the pending \$1 USD transaction. Ensure your card information is correctly entered. (Check if international Payments are enabled to your card)

**If you encounter issues with this step, you might need to contact your card issuer to approve the transaction.**

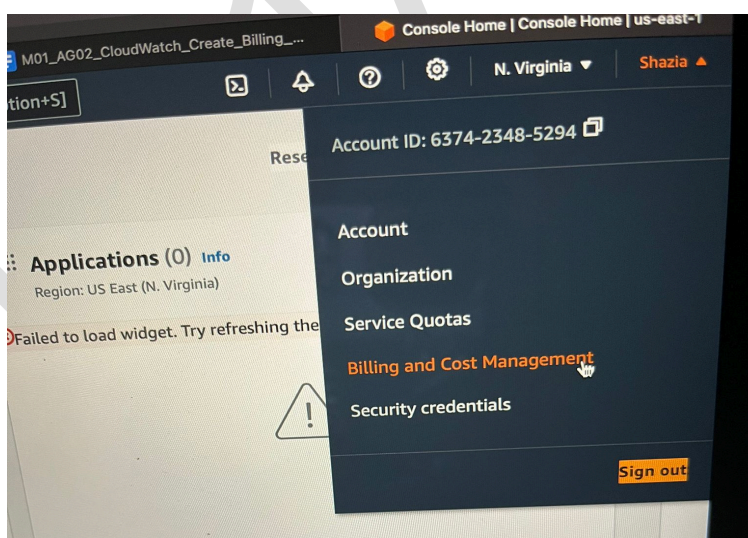
## Support and Activation Time:

It may take up to 24 hours to fully activate your AWS services. If you are still unable to access your services after this time, you should contact AWS support for assistance.

## 12.5 The user did not receive the verification email

### 12.5.1 ERROR:

The user did not receive the verification email after creating an AWS account and is unable to proceed with the account setup.



### 12.5.2 CAUSE

There can be several reasons for not receiving the verification email:

1. **Email in Spam/Junk Folder:** The verification email might be filtered into the spam or junk folder by the email service provider.
2. **Incorrect Email Address:** The email address provided during the AWS account creation might be incorrect or have a typo.
3. **Email Delivery Delay or Block:** There might be a delay in email delivery, or the email service provider might be blocking emails from AWS.

### 12.5.3 Fix

Follow these steps to resolve the issue of not receiving the verification email:

1. **Check Spam/Junk Folder:** Sometimes, verification emails might end up in your spam or junk folder. Please check there.
2. **Resend Verification Email:**
  - Log in to your AWS account.
  - Go to the "My Account" page.
  - Look for the "Contact Information" section.
  - If your email address is not verified, there should be an option like "Resend Verification Email" or a similar link/button. Click it to resend the verification email.
3. **Verify Email Address:** Ensure that the email address listed in the "Contact Information" section is correct. If it is incorrect, update it and resend the verification email.

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## 12.6 If sign-in is showing repeatedly, even after several attempts

### 12.6.1 ERROR

When you sign in as a root user with your email address, it takes you to the next page where you input your password and submit it, then it asks for the MFA code. After you enter your MFA code, it takes you back to the password entry page. Despite changing your password, you still encounter the same loop.

### 12.6.2 Fix:

1. **Clear Browser Cache and Cookies:** Clear your browser cache and cookies to remove any corrupted data that might be causing the issue. Then try signing in again.
2. **Use a Different Browser:** Sometimes, specific browsers can have issues. Try using a different browser to see if the problem persists.

3. Check Time Settings: Ensure the time on your device is accurate. MFA codes are time-sensitive, and an incorrect system time can cause issues.
4. Use Incognito/Private Mode: Try signing in using your browser's incognito or private mode to avoid any issues with cached data.
5. Reset MFA Device: If you can access your account settings, try removing and re-adding your MFA device. You might need to contact support for assistance if you can't access your account settings.

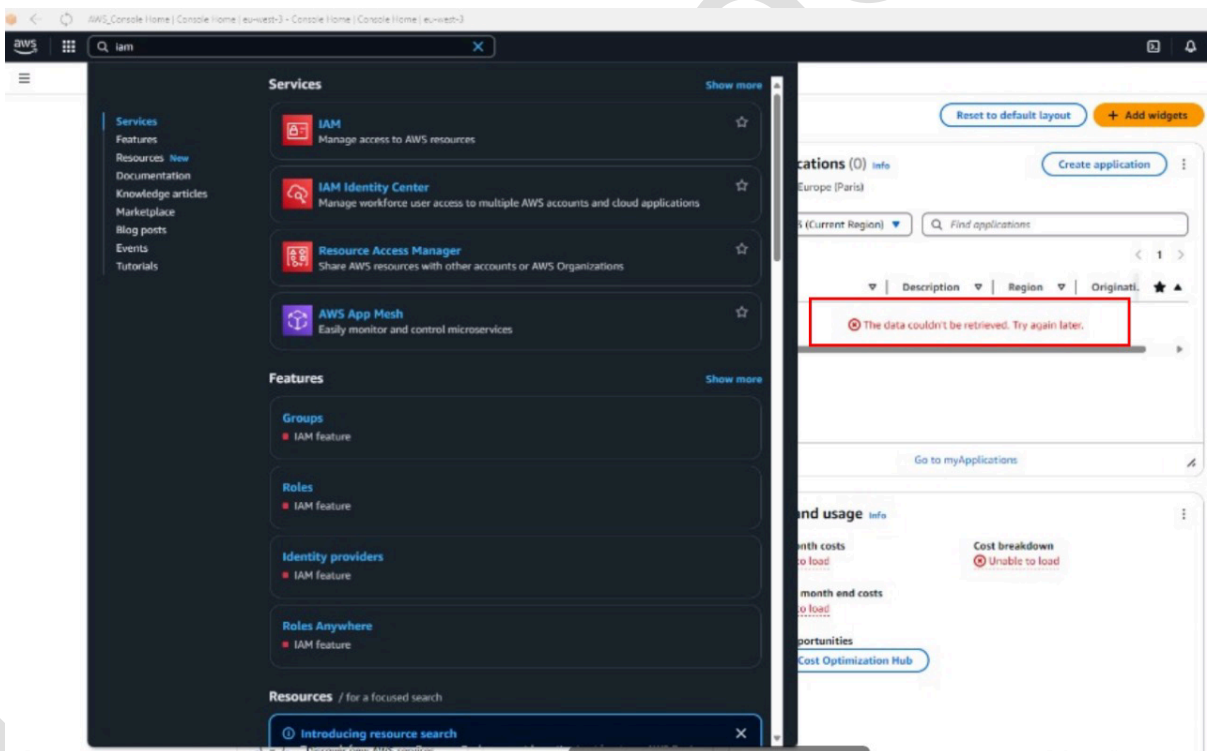
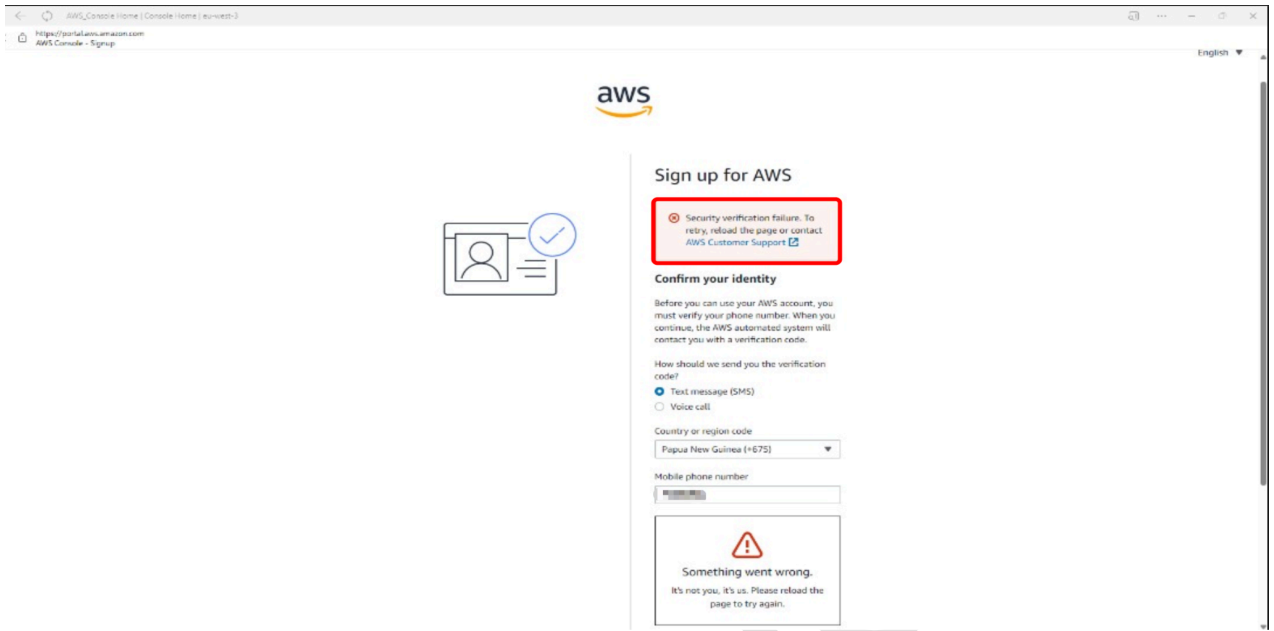
Link to contact AWS Support: <https://aws.amazon.com/contact-us/>

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## 12.7 If you're facing an issue with the payment card or Billing

### 12.7.1 ERROR

If you're encountering issues while adding a payment method to your AWS account, it's possible that the card type you're using is not supported or there might be a billing-related issue. Ensure you are using one of the accepted card types (**Visa, MasterCard, American Express, or Discover**). If the error persists even after updating your payment method, please contact AWS Support for further assistance in resolving the issue



❌ There was a problem with your payment information. To continue, [sign in to your account](#) and update your payment information. Then you can continue signing up. If this problem persists, contact [AWS Customer Support](#).

#### 12.7.2 Fix:

If you're using a Visa, MasterCard, American Express, or Discover card and still facing issues, it might be a good idea to contact AWS Support for further assistance.

<https://aws.amazon.com/contact-us/>

If the card you're using isn't one of these, or if you're still facing issues, I recommend you add a new card as shown in the steps below:

1. Log in to the AWS Console.
2. Go to Billing and Cost Management > Payment Methods.
3. Click on Add Payment Method.
4. Enter the details of your new Visa, MasterCard, American Express, or Discover card.
5. Save the changes and try again.

**OR**

✅ Why it's happening:

AWS makes a small ~\$1 authorization charge to verify your card. Many banks block this by default.

✓ Quick fixes:

1. Call your bank & ask them to approve a charge from AWS/Amazon
2. Ensure your card name & billing address exactly match your bank records
3. Disable VPN if you're using one
4. Prepaid/virtual cards often don't work — try a Visa/Mastercard credit card

✓ The 3–5 day approval via chat is real — AWS does manual reviews via their billing support team. You'll get access once verified.

If it still fails, email [aws-verification@amazon.com](mailto:aws-verification@amazon.com) or raise a free billing support case at AWS Support Center. 🙌

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## 12.8 Operations not allowed error

### 12.8.1 ERROR



### 12.8.2 Fix:

#### Activate & Nurture Your AWS Account:

New AWS accounts may take 2–3 days of consistent activity to fully activate. Regularly use AWS free-tier services to expedite this process.

#### Perform AWS Beginner's Lab:

Complete the AWS Beginner's Lab, such as launching a small EC2 instance (approximately 15 minutes), to trigger account activity and unlock services.

If you are a new AWS customer, you can earn an additional USD \$100 in credits regardless of your account plan by completing activities. These activities assist your learning of AWS services. You can find the activities in the **Explore AWS** widget on your [AWS Console Home dashboard](#).

#### Topics

- [Launch an instance using Amazon EC2](#)
- [Use a foundational model in the Amazon Bedrock playground](#)
- [Set up a cost budget using AWS Budgets](#)
- [Create a web app using AWS Lambda](#)
- [Create an Amazon RDS database](#)

Access the labs here: [AWS Beginner's Lab](#)

#### **Check Service Restrictions:**

New AWS accounts might have certain services restricted in "limited mode" until further verification or account activity.

Recommendation: Continue completing AWS labs, especially beginner labs, to activate your account and gain access to additional services.

For a detailed explanation and guidance, please refer to this: [Nurture your AWS Account for AI/ML Labs](#).

## 13 SUMMARY

In this Activity Guide, we have learned how to create an **AWS Account**, **verify the Account**, and log in to the **AWS Console**.

**This activity guide covered the steps:**

- Register for a new AWS Account using a valid email address.
- Verify email and billing details to activate the account.
- Set up Multi-Factor Authentication (MFA) for secure login.
- Log in to the AWS Management Console using root credentials.
- Explore the AWS Console layout and navigation panel.