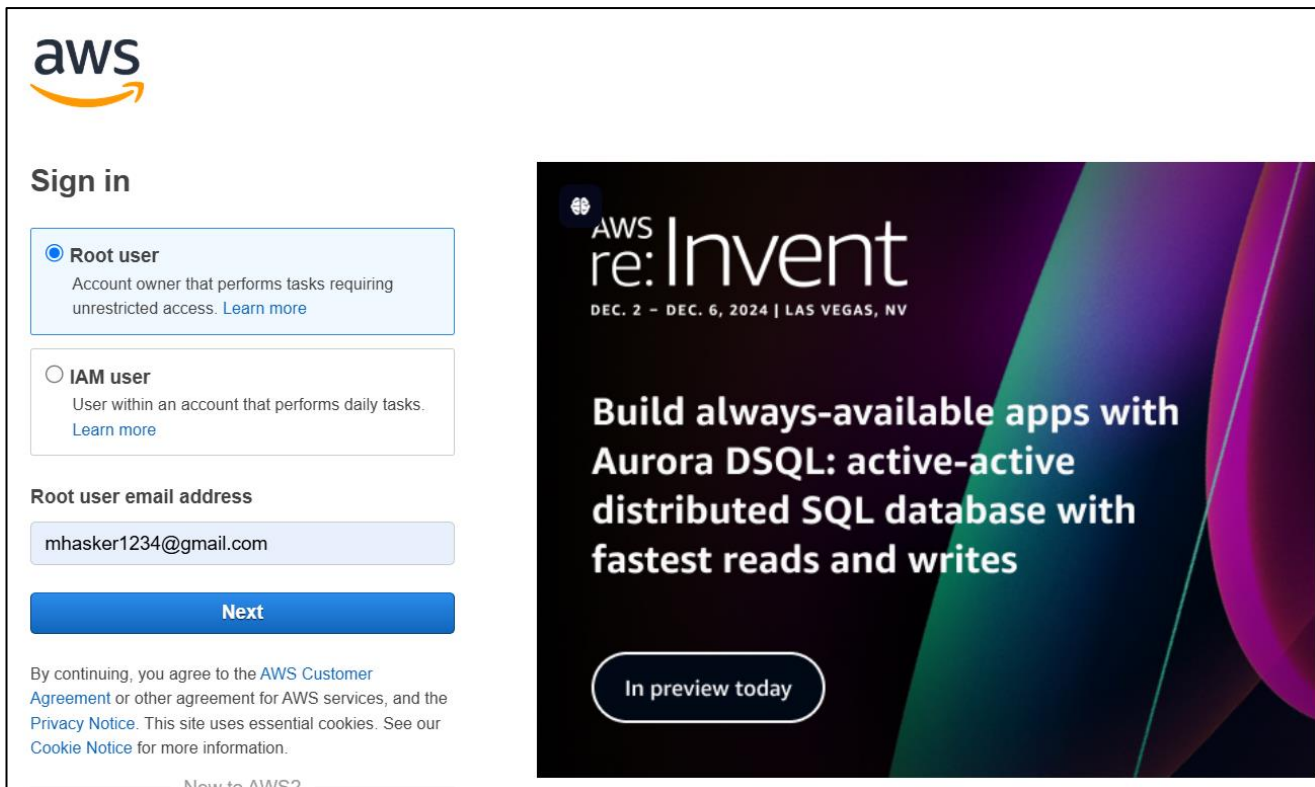


## Practical 6

**Aim** - To Study Cloud Security management

**Steps:**

1.Login to AWS Root Account.



**aws**

**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

mhasker1234@gmail.com

**Next**

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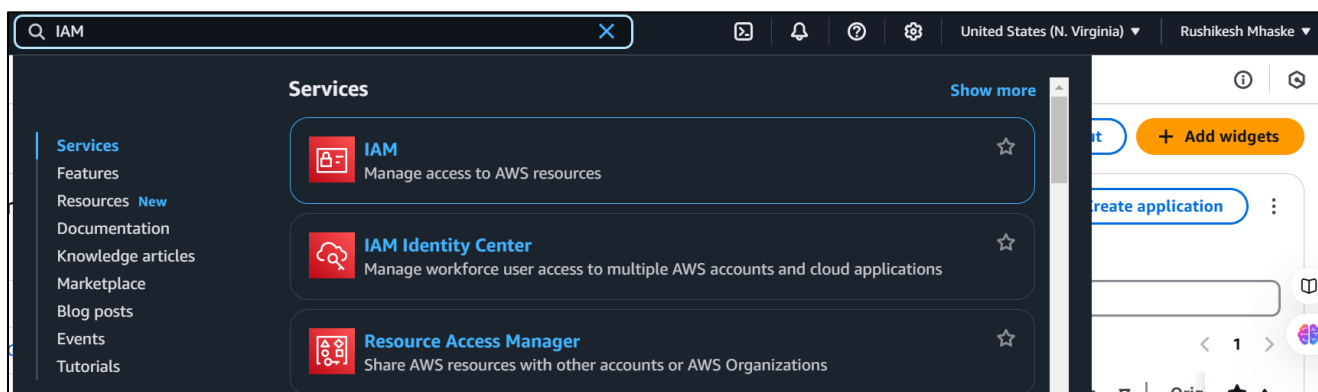
[New to AWS?](#)

**AWS re:Invent**  
DEC. 2 - DEC. 6, 2024 | LAS VEGAS, NV

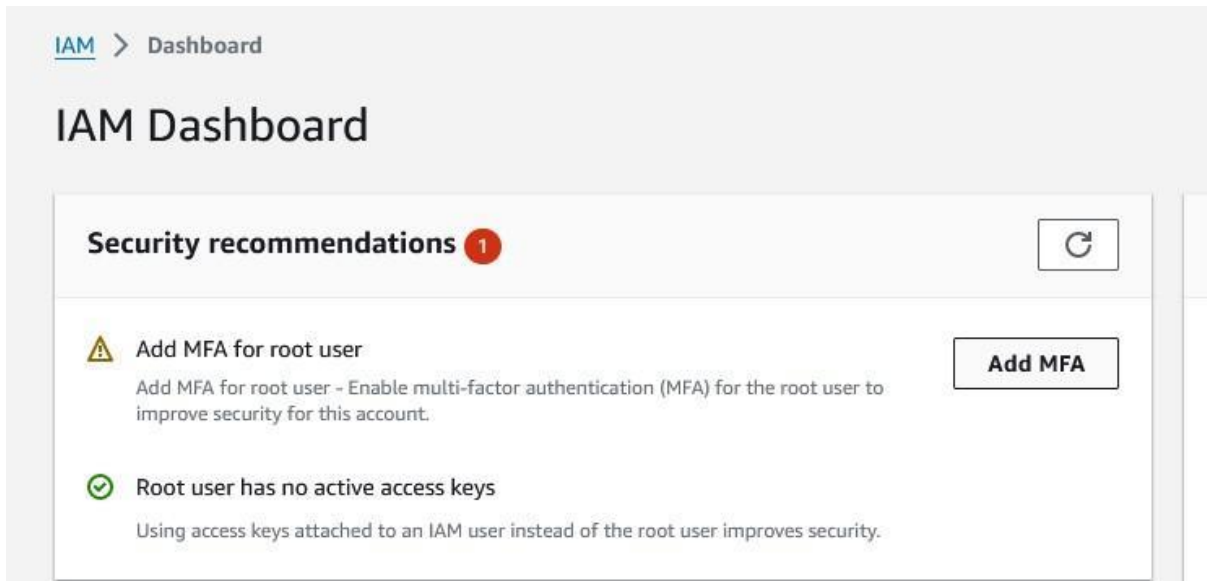
**Build always-available apps with Aurora DSQL: active-active distributed SQL database with fastest reads and writes**

**In preview today**

2.After login search for IAM user



3.Go to Admin Dashboard and click Add MFA.





4.After clicking on add MFA add the device name and select Authenticator app and click next.

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

**MFA device name**  
**Device name**  
This name will be used within the identifying ARN for this device.  
  
Maximum 64 characters. Use alphanumeric and '+', '@', '-' characters.

**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.

5.Install Google authenticator in your mobile and scan the QR code. You will get the MFA code every 60 seconds add it and click on Add MFA.


### 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

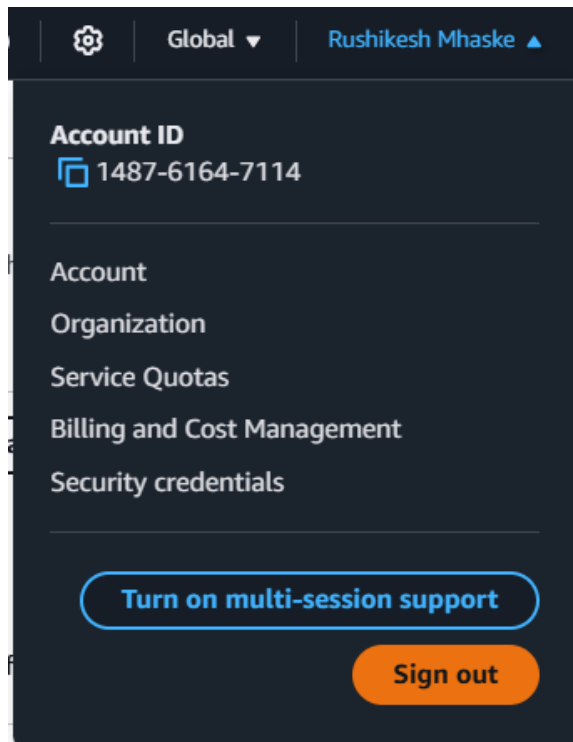
Add MFA

NAME:RUSHIKESH MHASKE  
ROLLNO:9142

6.After that you will get back to your dashboard and see the device is added.

Multi-factor authentication (MFA) (1)			
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. <a href="#">Learn more</a>			
Type	Identifier	Certifications	Created on
<input checked="" type="radio"/> Virtual	arn:aws:iam::148761647114:mfa/IPHONE13	Not Applicable	Thu Jan 16 2025

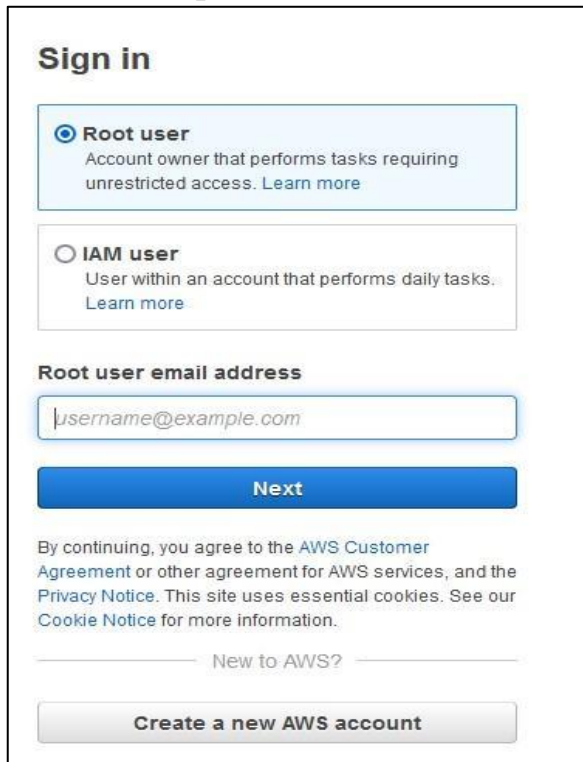
7.Log out from your account .



8.Log back in to your account to check whether it is working or not.



### 9.Insert email and password



The image shows the AWS 'Sign in' interface. At the top, it says 'Sign in'. Below this, there are two radio button options: 'Root user' (selected) and 'IAM user'. The 'Root user' option has a description: 'Account owner that performs tasks requiring unrestricted access. Learn more'. The 'IAM user' option has a description: 'User within an account that performs daily tasks. Learn more'. Below these options is a text input field labeled 'Root user email address' containing the placeholder text 'username@example.com'. A blue 'Next' button is positioned below the input field. At the bottom, there is a link to the AWS Customer Agreement and Privacy Notice, a link for 'New to AWS?', and a button to 'Create a new AWS 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**

username@example.com

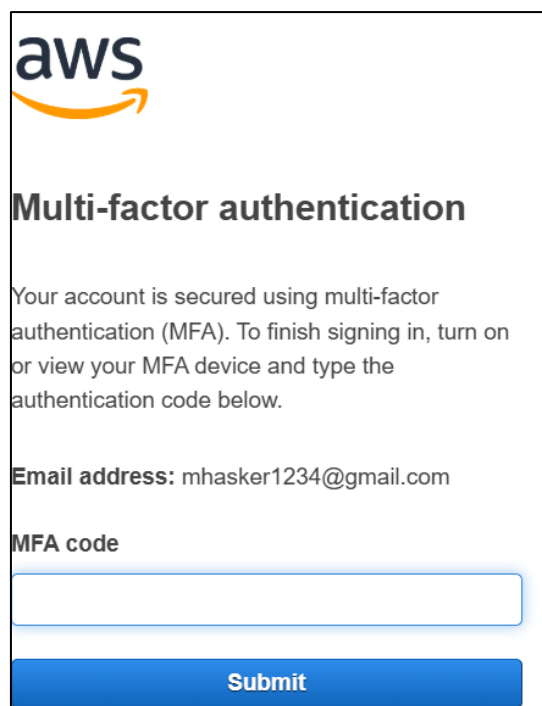
**Next**

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[New to AWS?](#)

**Create a new AWS account**

10. And that's here we have to open the google authenticator app on our device and insert the Code in it and submit.



The image shows the AWS 'Multi-factor authentication' screen. At the top is the AWS logo. Below it, the title 'Multi-factor authentication' is displayed. The text explains that the account is secured using MFA and instructs the user to turn on or view their MFA device and type the authentication code. Below this text, the email address 'Email address: mhasker1234@gmail.com' is shown. There is a text input field labeled 'MFA code'. At the bottom, there is a blue 'Submit' button.

**aws**

**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:** mhasker1234@gmail.com

**MFA code**

**Submit**

NAME:RUSHIKESH MHASKE  
ROLLNO:9142

11.Successfully login to our account back.

United States (N. Virginia) ▾

Rushikesh Mhaske ▾

Reset to default layout

+ Add widgets

⌵ Applications (0) Info

Region: US East (N. Virginia)

us-east-1 (Current Region) ▾

Find applications

< 1 >

Name ▾

Description ▾

Region ▾

Originati. ★ ▲

No applications

Create application

⋮