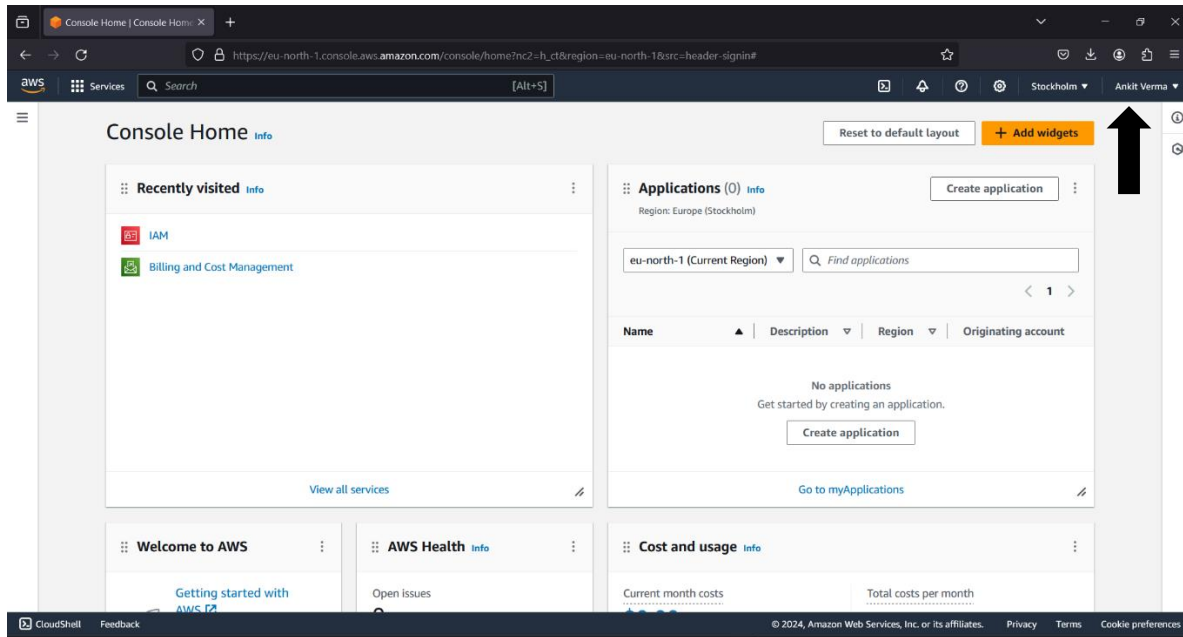


Assignment: 2

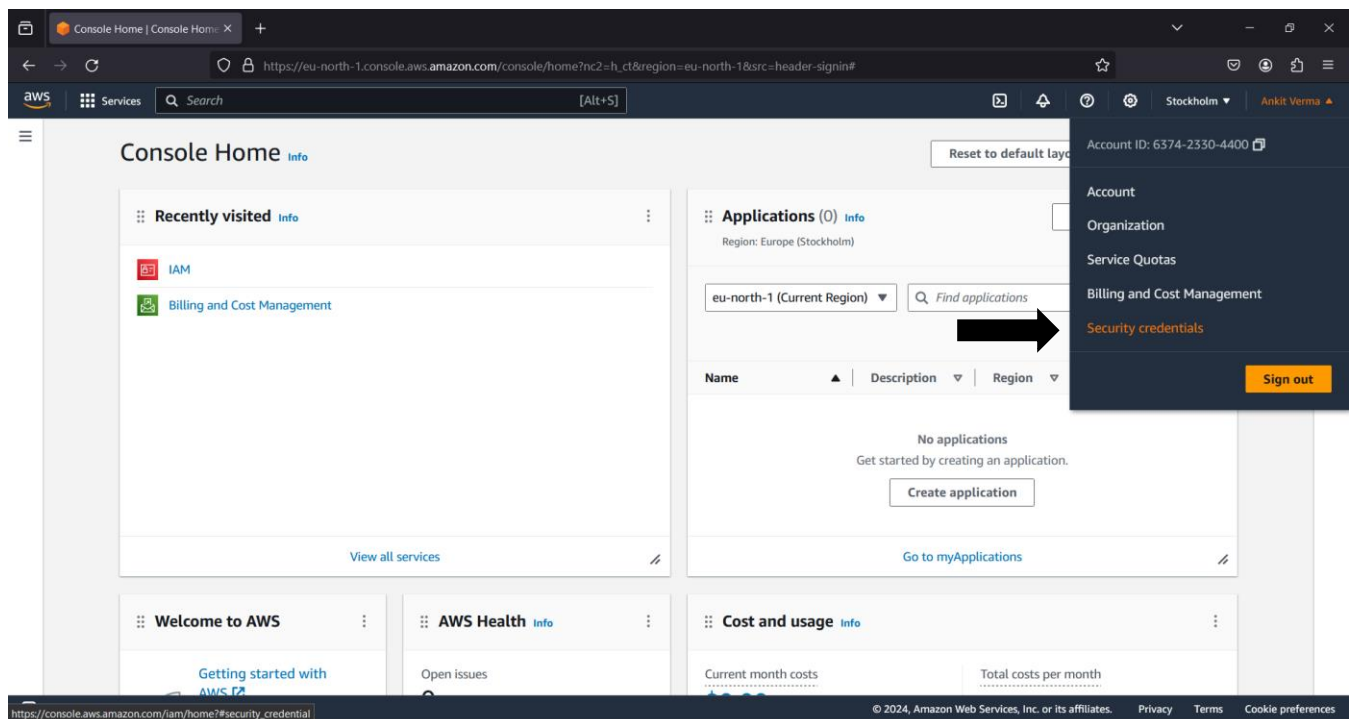
Problem Statement: Create MFA for authentication.

» Steps to create MFA:-

Step 1: Click on the name of the profile (*i.e. top right of the screen*).



Step 2: Select “Security credentials” option.



Step 3: Select “Assign MFA” option.

My security credentials Root user Info

The root user has access to all AWS resources in this account, and we recommend following [best practices](#). To learn more about the types of AWS credentials and how they're used, see [AWS Security Credentials](#) in AWS General Reference.

You don't have MFA assigned
As a security best practice, we recommend you assign MFA. Assign MFA

Account details Edit account name, email, and password

Account name: Ankit Verma
Email address: ankitverma79801@gmail.com
AWS account ID: 637423304400
Canonical user ID: e0bb776c1af20315373765b8a19556b3a69d4a2e67d77116cabdb7547b021672

Multi-factor authentication (MFA) (0) 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
No MFA devices. Assign an MFA device to improve the security of your AWS environment.			

Step 4: Give device name (i.e. 'Ankit11' in my case) & Select “Authenticator app” option then “Next”.

Step 2: Set up device

MFA device name

Device name
Enter a meaningful name to identify this device.
 Maximum 128 characters. Use alphanumeric and '+', '@', '-', '.' characters.

MFA device

Select an MFA device to use, in addition to your username and password, whenever you need to authenticate.

☒ **Authenticator app**
Authenticate using a code generated by an app installed on your mobile device or computer.

☐ **Security Key**
Authenticate using a code generated by touching a YubiKey or other supported FIDO security key.

☐ **Hardware TOTP token**
Authenticate using a code displayed on a hardware Time-based one-time password (TOTP) token.

Cancel Next


Step 5: Scan the QR code from the mobile phone using “Google Authenticator” app & provide the MFA code two time from the app then press “Add MFA”.

Assign MFA device | IAM | Global

Step 2
Set up device

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: 606686
MFA code 2: 041972

[Cancel](#) [Previous](#) [Add MFA](#)

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Step 6: MFA created successfully.

Security credentials | IAM | Global

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: Ankit Verma
Email address: ankitverma79801@gmail.com
AWS account ID: 637423304400
Canonical user ID: e0bb776c1af20315373765b8a19556b3a69d4a2e67d77116cabdb7547b021672

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. [Learn more](#)

Device type	Identifier	Certifications	Created on
Virtual	arn:aws:iam::637423304400:mfa/Ankit11	Not Applicable	

Access keys (0)

Use access keys to send programmatic calls to AWS from the AWS CLI, AWS Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum of two access keys (active or inactive) at a time. [Learn more](#)

[Create access key](#)

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