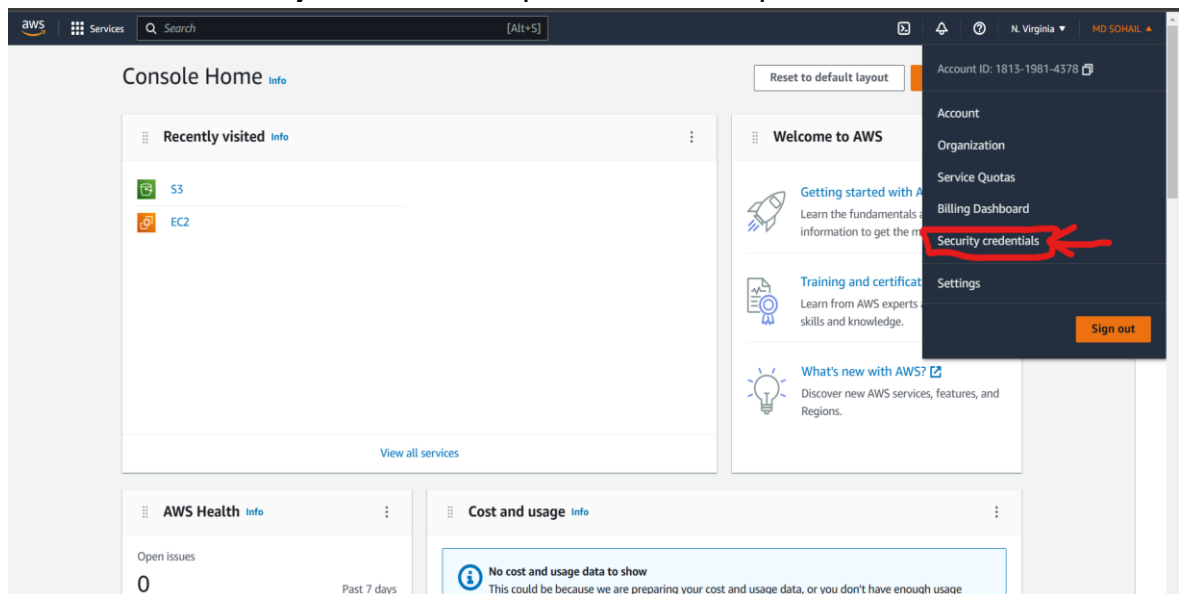


ASSIGNMENT 2

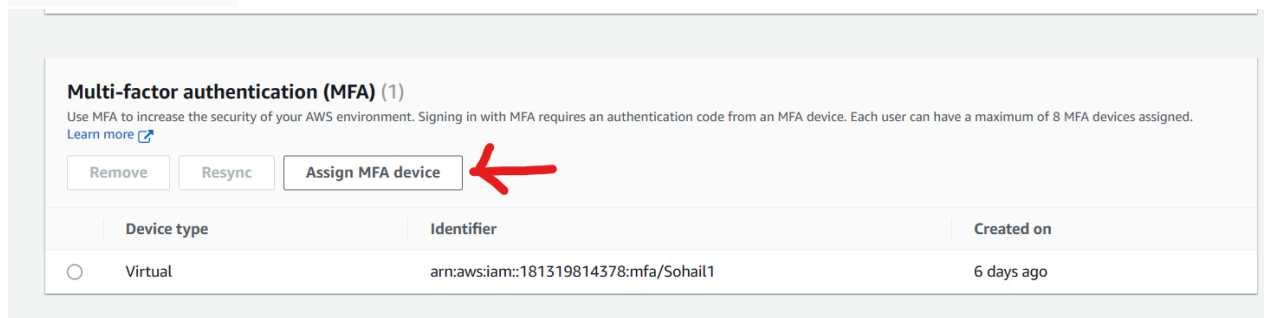
Problem Statement: Create Multi Factor Authentication(MFA) for account authentication.

Procedure:

1. Sign-in to your AWS console. Then select the **down arrow** beside your **account name** in the top right side of the page.
2. Now select **Security Credentials** option in the drop-down menu.



3. Now after arriving in My Security Credentials page, now scroll down to **Multi-Factor Authentication (MFA)** section. Click on the **Assign MFA device** button.



4. Next Assign a **unique device name** (very important and needs to be unique). This name is actually the name of the account that shows up in your authenticator app with the security codes and hence is essential for identification later. Select **Authenticator app** in **Select MFA device** section.

Select MFA device

Specify MFA device name


Device name
Enter a meaningful name to identify this device.

Device name


Maximum 128 characters. Use alphanumeric and '+ = , . @ - _ ' characters.

Select MFA device [Info](#)


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](#)

5. Click on **Next**.
6. After that you have to make sure you download an authenticator app from app store in your android/iOS device. Google/Microsoft authenticator is preferred. After installation, click on the **Show QR code box** here in the website. Scan the QR code with your authenticator app. Your device name given will show up in your authenticator main page.

Set up device

Set up your 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, chose **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

7. We will see a certain unique combination appearing against our given device name for our AWS account and stays only for 30-60 seconds. Enter 2 consecutive codes appearing in the given box in the website to authenticate your MFA.
8. After successfully verifying your MFA, click on the Add MFA button.
9. You will be redirected to the security credentials page and see your newly added MFA method with your given device name for your account.

Multi-factor authentication (MFA) (2)

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](#)

Remove

Resync

Assign MFA device

	Device type	Identifier	Created on
<input type="radio"/>	Virtual	arn:aws:iam::181319814378:mfa/abc1	Now
<input type="radio"/>	Virtual	arn:aws:iam::181319814378:mfa/Sohail1	6 days ago

10. Hence, we have successfully added an MFA device.
11. Now sign-out and try to re-login to the console.
12. Now after providing user email and password, from now on you have to enter the MFA code which is given by the authenticator app in your phone. Be mindful that the code changes every 30-60 seconds and we have to

enter the current or existing one which has not expired (or in this case stopped showing).



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: haquesohailmd@gmail.com

MFA code

Submit

[Troubleshoot MFA](#)

[Cancel](#)

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