

TASK 4: Creteing IAM user with Multi Factor Aunthentication(MFA)

STEP 1: Login to the AWS management console.

The screenshot shows the AWS Management Console Home page. At the top, there is a navigation bar with the AWS logo, a 'Services' menu, a search bar, and a keyboard shortcut '[Alt+S]'. On the right side of the navigation bar, there are icons for CloudShell, notifications, help, settings, the current region 'Stockholm', and the user 'vinayaka H.M.'. Below the navigation bar, the main content area is titled 'Console Home'. It features a 'Reset to default layout' button and an 'Add widgets' button. The main content is divided into three sections: 'Welcome to AWS', 'AWS Health', and 'Cost and usage'. The 'Welcome to AWS' section contains three links: 'Getting started with AWS', 'Training and certification', and 'What's new with AWS?'. The 'AWS Health' section shows three metrics: 'Open issues' (0), 'Scheduled changes' (0), and 'Other notifications' (0), all for the 'Past 7 days'. A 'Go to AWS Health' button is at the bottom of this section. The 'Cost and usage' section is currently empty. At the bottom of the page, there is a footer with links to 'CloudShell', 'Feedback', and copyright information for Amazon Web Services India Private Limited or its affiliates. There are also links for 'Privacy', 'Terms', and 'Cookie preferences'.

aws Services Search [Alt+S] Stockholm vinayaka H.M.

Console Home

Reset to default layout Add widgets

Welcome to AWS

[Getting started with AWS](#)
Learn the fundamentals and find valuable information to get the most out of AWS.

[Training and certification](#)
Learn from AWS experts and advance your skills and knowledge.

[What's new with AWS?](#)
Discover new AWS services, features, and Regions.

AWS Health

Open issues
0 Past 7 days

Scheduled changes
0 Upcoming and past 7 days

Other notifications
0 Past 7 days

[Go to AWS Health](#)

Cost and usage

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STEP 2: Search the service called IAM in search

aws

Services

Q IAM

X

Stockholm

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Services (10)

Features (20)

Resources **New**

Documentation (48,482)

Knowledge Articles (20)

Marketplace (681)

Blogs (1,650)

Events (12)

Tutorials (2)

Search results for 'IAM'

Try searching with longer queries for more relevant results

Services

See all 10 results

IAM ☆

Manage access to AWS resources

Top features

Groups Users Roles Policies Access Analyzer

IAM Identity Center ☆

Manage workforce user access to multiple AWS accounts and cloud applications

Resource Access Manager ☆

Share AWS resources with other accounts or AWS Organizations

AWS App Mesh ☆

Easily monitor and control microservices

Features

See all 20 results

Groups

layout

+ Add widgets

https://us-east-1.console.aws.amazon.com/iam/home?region=eu-north-1

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STEP 3: After clicking on the IAM it will redirect to the IAM dashboard

aws

Services

Search

[Alt+S]

📄

🔔

?

⚙️

Global

vinayaka H.M

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Organization activity

IAM > Users

Users (0) Info

🔄

Delete

Create user

Search

< 1 >

⚙️

	User name	Path	Group	Last activity	MFA	Password age	Console last sign-in
No resources to display							

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STEP 4: In IAM dashboard there is option called create user click on that and provide the user details as shown in below figure

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Services

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Global

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Step 2

Set permissions

Step 3

Review and create

Step 4

Retrieve password

User details

User name

Vinayaka

The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)

☒

Provide user access to the AWS Management Console - *optional*

If you're providing console access to a person, it's a [best practice](#) to manage their access in IAM Identity Center.

Are you providing console access to a person?

User type

Specify a user in Identity Center - Recommended

We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.

I want to create an IAM user

We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.

Console password

Autogenerated password

You can view the password after you create the user.

Custom password

Enter a custom password for the user.

.....

• Must be at least 8 characters long

• Must include at least three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols ! @ # \$ % ^ & * () _ + - (hyphen) = [] { } | ' " , . ~ `

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STEP 5: Click on the next and set the permissions.(As of now keep default)

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Services

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IAM > Users > Create user

Step 1

[Specify user details](#)

Step 2

Set permissions

Step 3

Review and create

Step 4

Retrieve password

Set permissions

Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. [Learn more](#)

Permissions options

☒ Add user to group
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.

☐ Copy permissions
Copy all group memberships, attached managed policies, and inline policies from an existing user.

☐ Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.

Get started with groups
Create a group and select policies to attach to the group. We recommend using groups to manage user permissions by job function, AWS service access, or custom permissions. [Learn more](#)

Create group

Set permissions boundary - optional

Cancel

Previous

Next

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STEP 6: Once you click on the next you can review and create user

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Specify user details

Step 2

Set permissions

Step 3

Review and create

Step 4

Retrieve password

Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.

User details

User name

Vinayaka

Console password type

Custom password

Require password reset

Yes

Permissions summary

< 1 >

Name

▲

Type

▼

Used as

▼

[IAMUserChangePassword](#)

AWS managed

Permissions policy

Tags - optional

Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.

No tags associated with the resource.

Add new tag

You can add up to 50 more tags.

Cancel

Previous

Create user

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STEP 7: Now you have successfully created user.

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☰

✔ User created successfully

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

View user

IAM > Users > Create user

Step 1

[Specify user details](#)

Step 2

[Set permissions](#)

Step 3

[Review and create](#)

Step 4

Retrieve password

Retrieve password

You can view and download the user's password below or email users instructions for signing in to the AWS Management Console. This is the only time you can view and download this password.

Console sign-in details

Email sign-in instructions

Console sign-in URL

https://891562831218.signin.aws.amazon.com/console

User name

Vinayaka

Console password

***** Show

Cancel

Download .csv file

Return to users list

STEP 8: Click on the created user to enable MFA

aws

Services

Search

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Global

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Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analyzers

Settings

Credential report

Organization activity

IAM > Users > Vinayaka

Vinayaka

Info

Delete

Summary

ARN

arn:aws:iam::891562831218:user/Vinayaka

Created

October 10, 2023, 20:37 (UTC+05:30)

Console access

Enabled without MFA

Access key 1

Create access key

Permissions

Groups

Tags

S

Permissions policies (1)

Permissions are defined by policies attached to the user directly or through groups.

Filter by Type

Search

All types

1

Policy name

Type

Attached via

IAMUserChangePassword

AWS managed

Directly

CloudShell

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STEP 9: Click on the console access enabled without MFA it will prompt to enable MF

The screenshot displays the AWS IAM console interface. At the top, a green banner indicates 'MFA device assigned' with a message: '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.'

The main content area shows the 'Users' page for a user named 'Vinayaka'. The 'Security credentials' tab is selected, displaying the following information:

Summary		
ARN arn:aws:iam::891562831218:user/Vinayaka	Console access Enabled with MFA	Access key 1 Create access key
Created October 10, 2023, 20:37 (UTC+05:30)	Last console sign-in Never	

Below the summary, there are tabs for 'Permissions', 'Groups', 'Tags', 'Security credentials' (selected), and 'Access Advisor'.

The 'Console sign-in' section shows the following details:

Console sign-in	
Console sign-in link https://891562831218.signin.aws.amazon.com/console	Console password Updated 5 minutes ago (2023-10-10 20:37 GMT+5:30)

A 'Manage console access' button is located in the top right corner of the 'Console sign-in' section.

The footer of the console shows '© 2023, Amazon Web Services India Private Limited or its affiliates.' along with links for 'Privacy', 'Terms', and 'Cookie preferences'.

STEP 11: Now trying to login IAM user after entering username and password it will ask MFA code.after entering MFA code successfully we can lo

signin.aws.amazon.com/oauth?redirect_uri=https%3A%2F%2Fconsole.aws.amazon.com%2Fconsole%2Fhome%3FhashArgs%3D%2523%26isauthcode%3Dtrue%26state%3DhashArg...

aws

Multi-factor Authentication

Enter an MFA code to complete sign-in.

MFA Code:

Submit

[Cancel](#)

English

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Services



Search

[Alt+S]



Stockholm ▾

Vinayaka @ 8915-6283-1218 ▲

Console Home Info

Reset to default layout

Account ID: 8915-6283-1218

IAM user: Vinayaka

Copy Username



Recently visited Info



RDS



S3



EC2

[View all services](#)



Welcome to AWS



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Training and certification

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AWS Health Info



Cost and usage Info



CloudShell

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