

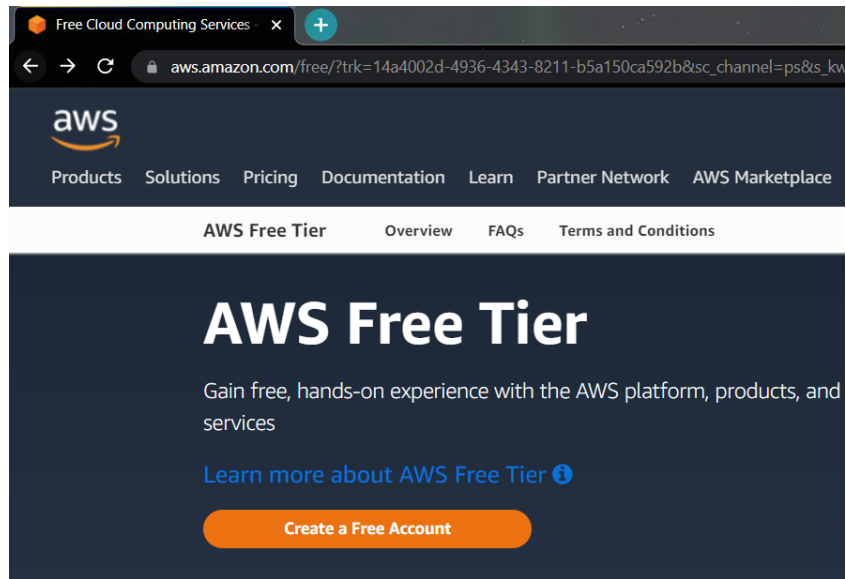
ASSIGNMENT NO-01

 Problem Statement:-

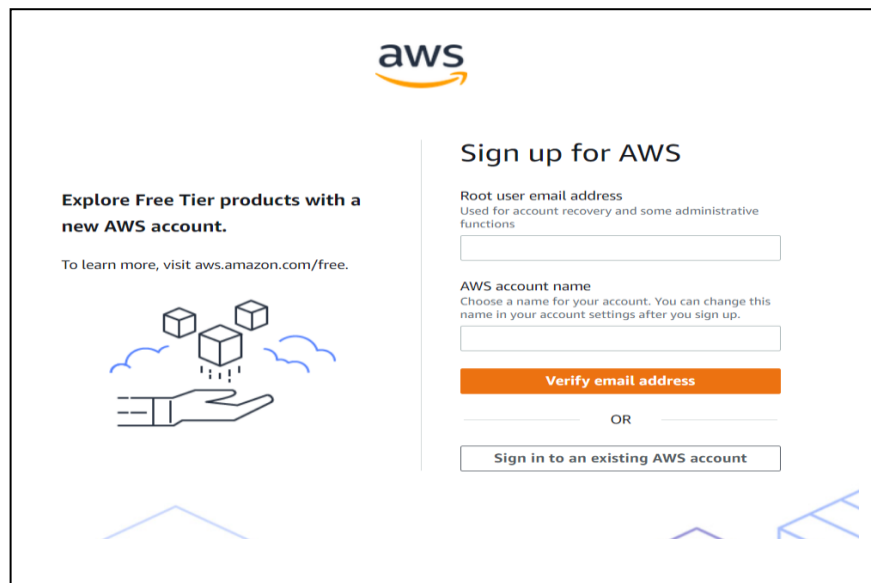
1. Create an AWS account in AWS and configure a Budget.

 Steps:-

- I. Go to the AWS homepage at <https://aws.amazon.com/> and click on the "Create an AWS Account".



- II. Enter root user email address and AWS account name then verify the email address.

A screenshot of the AWS sign-up form. The AWS logo is at the top center. On the left, there is a section titled 'Explore Free Tier products with a new AWS account.' with a link 'To learn more, visit aws.amazon.com/free.' and an illustration of a hand holding three cubes. On the right, the section is titled 'Sign up for AWS'. It contains two input fields: 'Root user email address' (with a note 'Used for account recovery and some administrative functions') and 'AWS account name' (with a note 'Choose a name for your account. You can change this name in your account settings after you sign up.'). Below the email field is an orange button labeled 'Verify email address'. Below the account name field is a link 'Sign in to an existing AWS account'.

- III. After verification enter root user password and continue.



Explore Free Tier products with a new AWS account.

To learn more, visit aws.amazon.com/free.



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 \(step 1 of 5\)](#)

IV. Enter your details and click continue.



Free Tier offers

All AWS accounts can explore 3 different types of free offers, depending on the product used.



Always free
Never expires



12 months free
Start from initial sign-up date



Trials
Start from service activation date

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

manas kumar manna

Phone Number

+91 7362970829

Country or Region

India

Address

padmapukur college road

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

City

tarakeswar

State, Province, or Region

west bengal

Postal Code

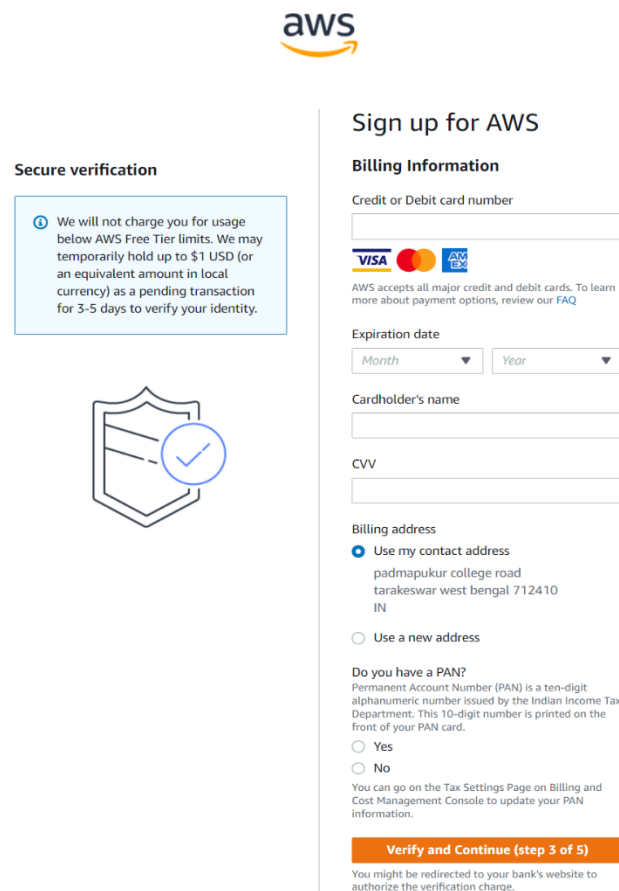
712410

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](#).

[Continue \(step 2 of 5\)](#)

V. Enter card details and process payment.

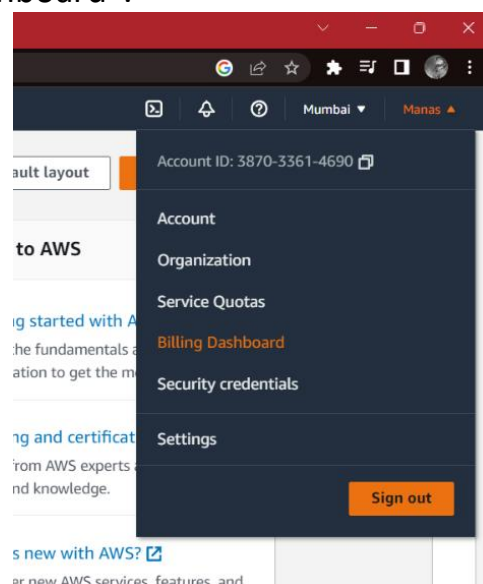


The screenshot shows the AWS 'Sign up for AWS' page, specifically the 'Billing Information' section. On the left, there is a 'Secure verification' box with a shield icon and a text box stating: 'We will not charge you for usage below AWS Free Tier limits. We may temporarily hold up to \$1 USD (or an equivalent amount in local currency) as a pending transaction for 3-5 days to verify your identity.' Below this is a shield icon with a checkmark. The 'Billing Information' section includes fields for 'Credit or Debit card number', 'Expiration date' (Month and Year dropdowns), 'Cardholder's name', and 'CVV'. It also has radio buttons for 'Use my contact address' (selected) and 'Use a new address'. Below these are fields for 'Billing address' (padmapukur college road, tarakeswar west bengal 712410, IN). There is a section for 'Do you have a PAN?' with 'Yes' and 'No' radio buttons. At the bottom, there is an orange button labeled 'Verify and Continue (step 3 of 5)' and a note: 'You might be redirected to your bank's website to authorize the verification charge.'

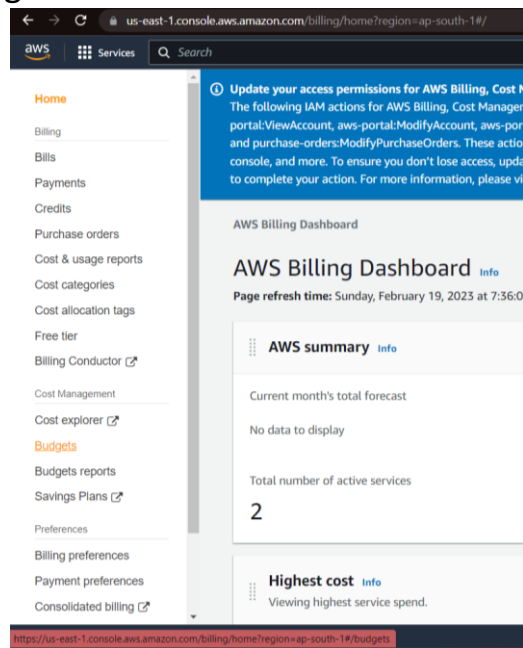
Once these steps are completed AWS account has been completed and now user can start using AWS services .Some services may charge , so user should monitor usage and billing.

Budget configure:-

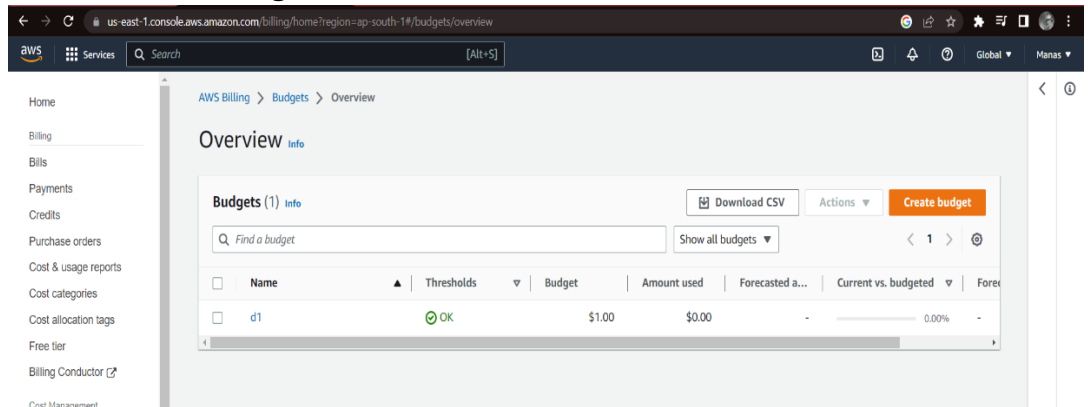
- Click on the account profile name on the top right corner and click "Billing Dashboard".



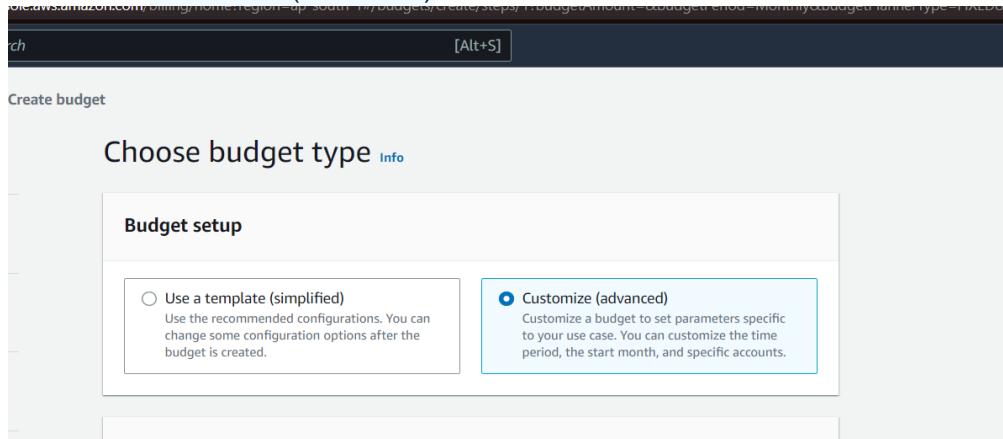
- ii. Click on budgets on the left side in “Cost Management” section.



- iii. Click “Create Budget”.



- iv. Click on “Customize (advanced)” and rest will be as it is and click next.



- v. Enter budget name.

Details

Budget name
Provide a descriptive name for this budget.

Names must be between 1-100 characters.

vi. Set period , budgeted amount, budget type according to user's choice .

Set budget amount

Period
Daily budgets do not support enabling forecasted alerts, or daily budget planning.

Monthly ▼

Budget renewal type
☒ **Recurring budget**
Recurring budgets renew on the first day of every monthly billing period.
☐ **Expiring budget**
Expiring monthly budgets stop renewing at the end of the selected expiration month.

Start month

Feb ▼

2023 ▼

Budgeting method [Info](#)

Fixed
Create a budget that tracks against a single monthly budgeted amount. ▼

Enter your budgeted amount (\$)
Last month's cost: \$0.00

1.00

vii. Set “alert threshold” according to user and click next .

▼ **Alert #1**

Remove

Set alert threshold

Threshold
When should this alert be triggered?

80

% of budgeted amount ▼

Trigger
How should this alert be triggered?

Actual ▼

Summary: When your actual cost is greater than **80.00% (\$0.80)** of your **budgeted amount (\$1.00)**, the alert threshold will be exceeded.

Notification preferences
Select one or more notification preferences to receive alerts.

Email recipients
Specify the email recipients you want to notify when the threshold has exceeded.

manas2018manna@gmail.com

Maximum number of email recipients is 10.

► Amazon SNS Alerts - *Optional* [Info](#)

► AWS Chatbot Alerts

viii. Review budget and click “Create Budget”.

Now, Budget is configured and created and user can download details by click on “Download CSV”. User can review budget and edit at any time.

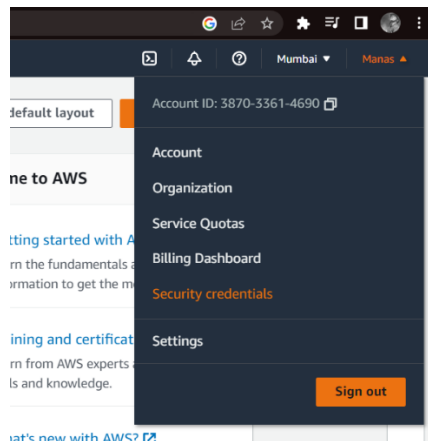
ASSIGNMENT NO-02

 Problem Statement:-

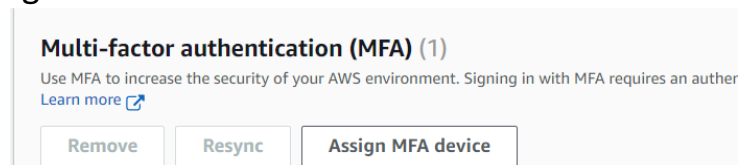
Create MFA for authentication.

 Steps:-

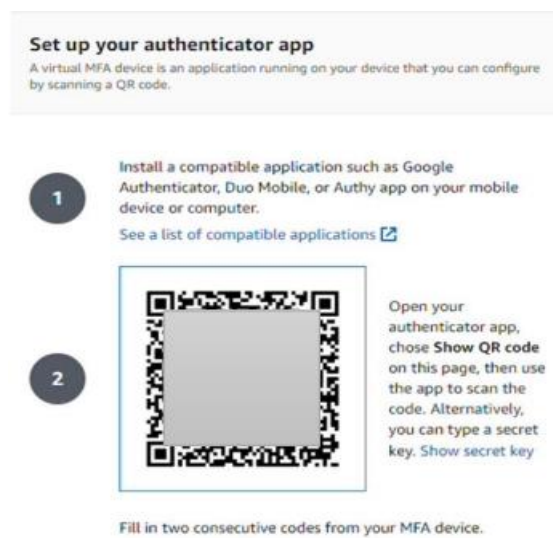
- 1) At the top right corner click on account profile and click on “Security Credentials”.



- 2) Click on “Assign MFA Device”.



- 3) Specify a name in Device name and click NEXT.
- 4) Now Scan a QR Code with Google authentication application from mobile device. Then assign MFA codes from that device and Click Add MFA.



Now, Multi-Factor Authentication (MFA) is set up for user's AWS account, which adds an extra layer of security to help protect user's account from unauthorized access.

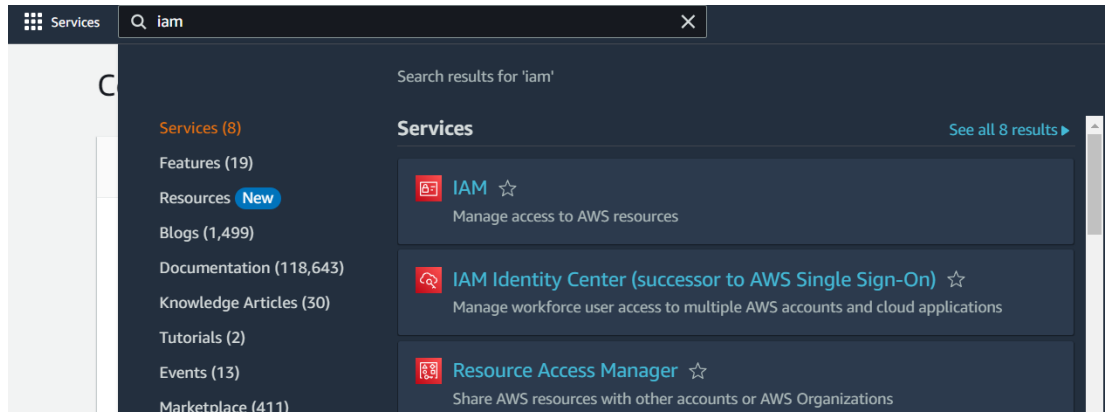
ASSIGNMENT NO-03

 Problem Statement:-

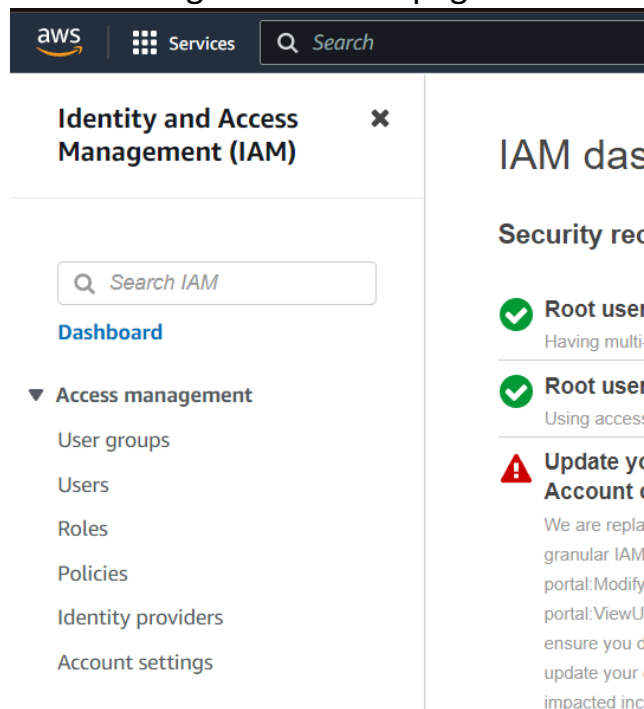
Create IAM user and thereby give full access of S3.

 Steps:-

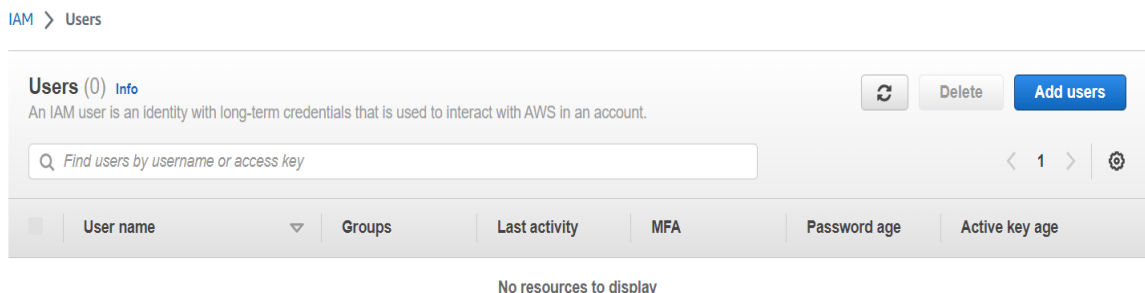
A. In the account click on search section and type “IAM” and click on “IAM”.



B. Click on “Users” in the right side of the page.



C. Click on “Add Users”.



D. Then add user name and click the check box to provide console access and click “I want to create an IAM user” and give custom password and click next .

aws Services Search [Alt+S] Global Manas

IAM > Users > Create user

Step 1
Specify user details

Step 2
Set permissions

Step 3
Review and create

Step 4
Retrieve password

Specify user details

User details

User name

iam1

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?

☐ 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) = [] { } |

☐ Show password

☒ Users must create a new password at next sign-in (recommended).

Users automatically get the IAMUserChangePassword policy to allow them to change their own password.

If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. [Learn more](#)

Cancel Next

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E. In User Group section click Create Group and enter User group name and give permissions of S3 and click create User group and add that group and click next .

Create user group

Create a user 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](#)

User group name

Enter a meaningful name to identify this group.

s32

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

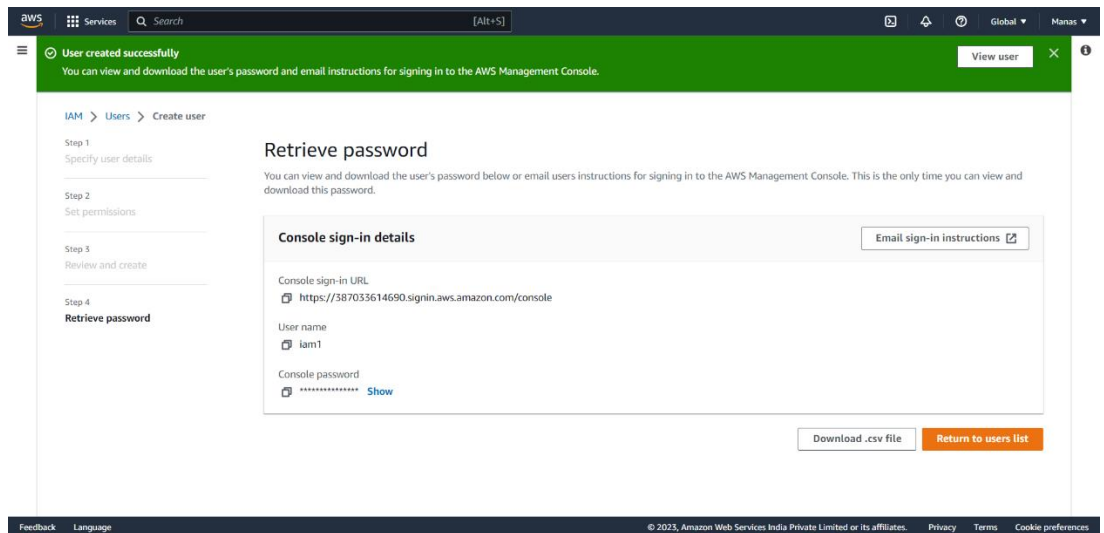
Permissions policies (6/816)

Q s3 9 matches < 1 >

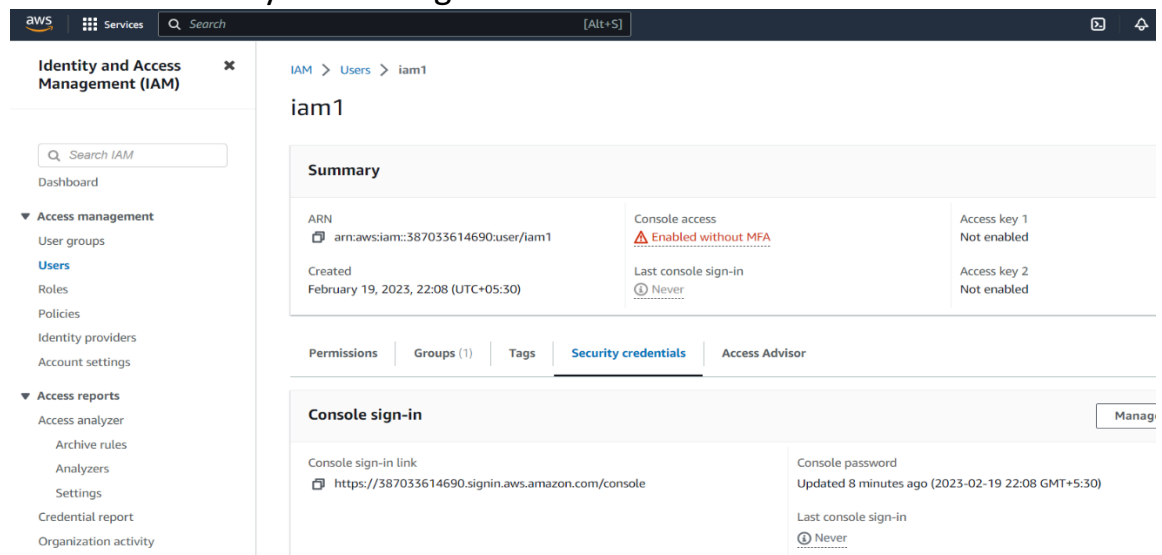
<input checked="" type="checkbox"/>	Policy name	Type	Used as	Description
<input checked="" type="checkbox"/>	AmazonDMSRedshiftS3Role	AWS man...	Permissio...	Provides ...
<input checked="" type="checkbox"/>	AmazonS3FullAccess	AWS man...	Permissio...	Provides ...
<input checked="" type="checkbox"/>	AmazonS3ObjectLambdaExecutionRoleP...	AWS man...	None	Provides ...
<input checked="" type="checkbox"/>	AmazonS3OutpostsFullAccess	AWS man...	None	Provides ...
<input checked="" type="checkbox"/>	AmazonS3OutpostsReadOnlyAccess	AWS man...	None	Provides ...
<input checked="" type="checkbox"/>	AmazonS3ReadOnlyAccess	AWS man...	None	Provides ...
<input type="checkbox"/>	AWSBackupServiceRolePolicyForS3Backup	AWS man...	None	Policy co...
<input type="checkbox"/>	AWSBackupServiceRolePolicyForS3Restore	AWS man...	None	Policy co...
<input type="checkbox"/>	QuickSightAccessForS3StorageManagem...	AWS man...	None	Policy us...

Cancel Create user group

F. Review options and click on Create User. Click on the "Download .csv file" to get the credentials of users. And Click Return to users list.



G. After returning click on IAM user name (ex-iam1) and go to “security credentials” and copy Console sign-in link and paste it in another tab of chrome or any search engine.



H. After opening the console link user should give relevant details and next user has to change the password and after changing it will open to the IAM user account.

