

Assignment: 3

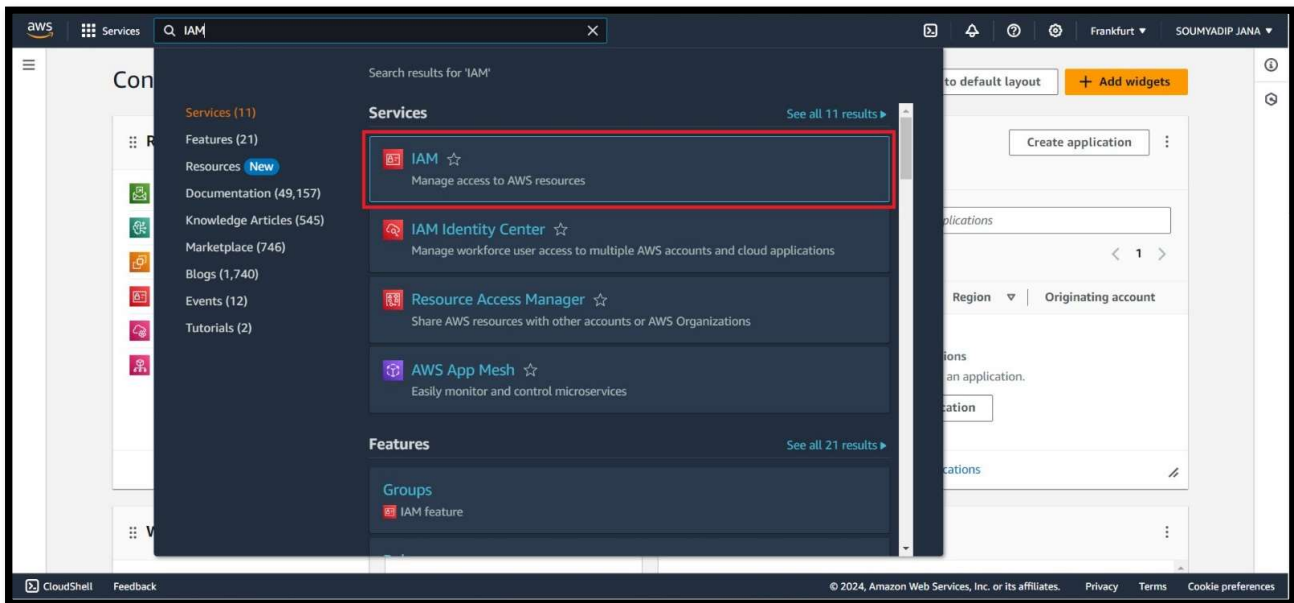
Problem Statement: Create a IAM User and give access to S3.

Solution:

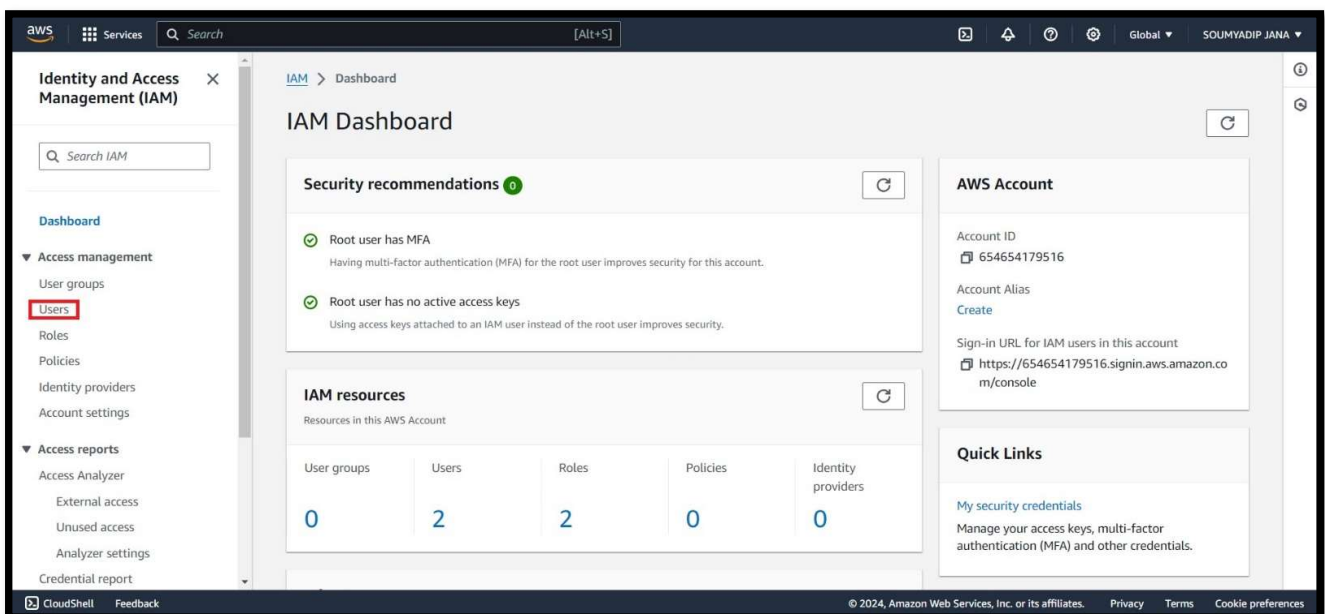
IAM: An AWS Identity and Access Management (IAM) user is an entity that you create in AWS. The IAM user represents the human user or workload who uses the IAM user to interact with AWS. A user in AWS consists of a name and credentials.

Steps and Procedures:

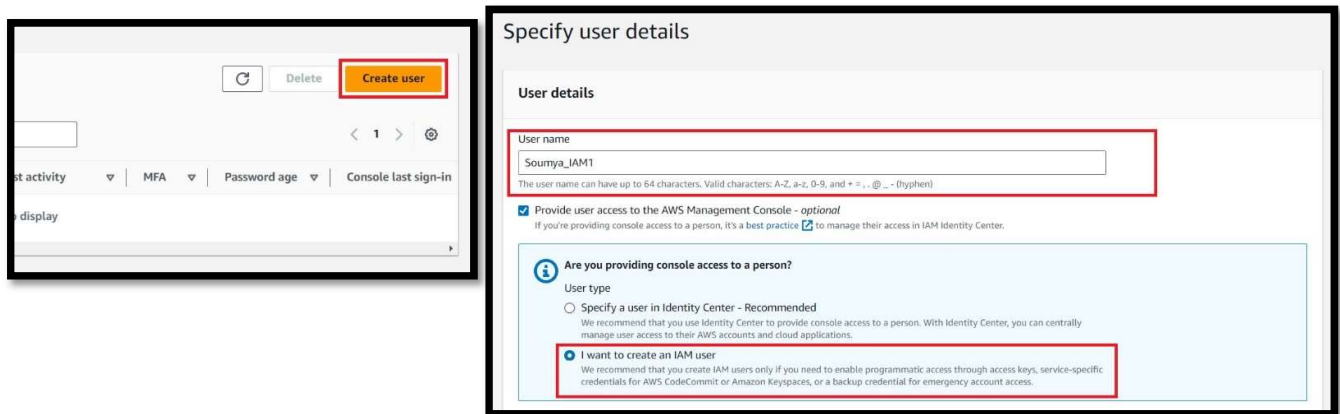
Step 1: Goto the dashboard and search for IAM in the search box. Click on IAM.



Step 2: In the left panel of IAM dashboard select Users



Step 3: Click on Create user and then give a username and give user the access of AWS management console. Then select I want to create IAM user.



Specify user details

User details

User name
Soumya_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.

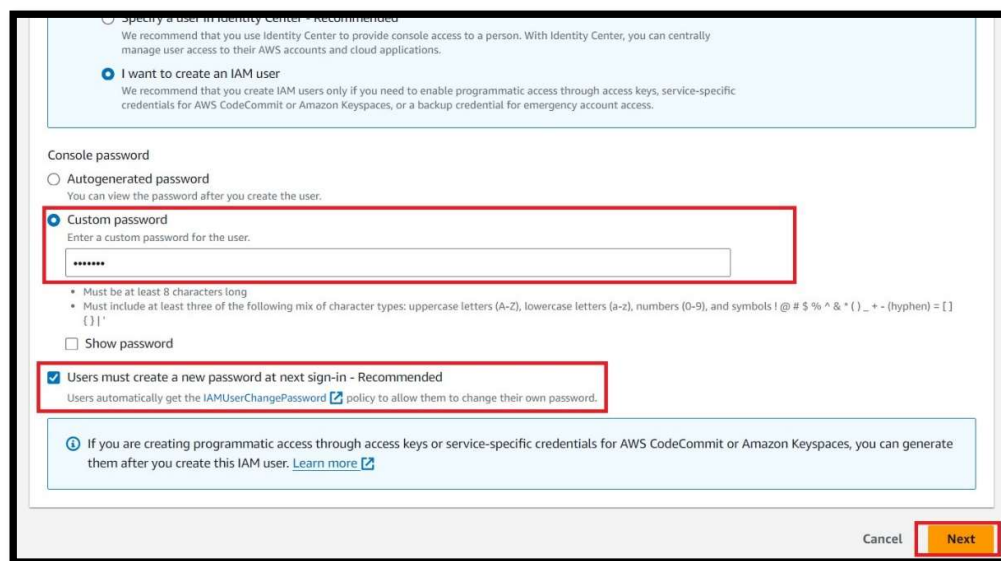
Are you providing console access to a person?

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.

Step 4: Setup a password. You can also specify that the user must change the password at the time of login. Then click on next.



☐ 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) = [] { } | ' .

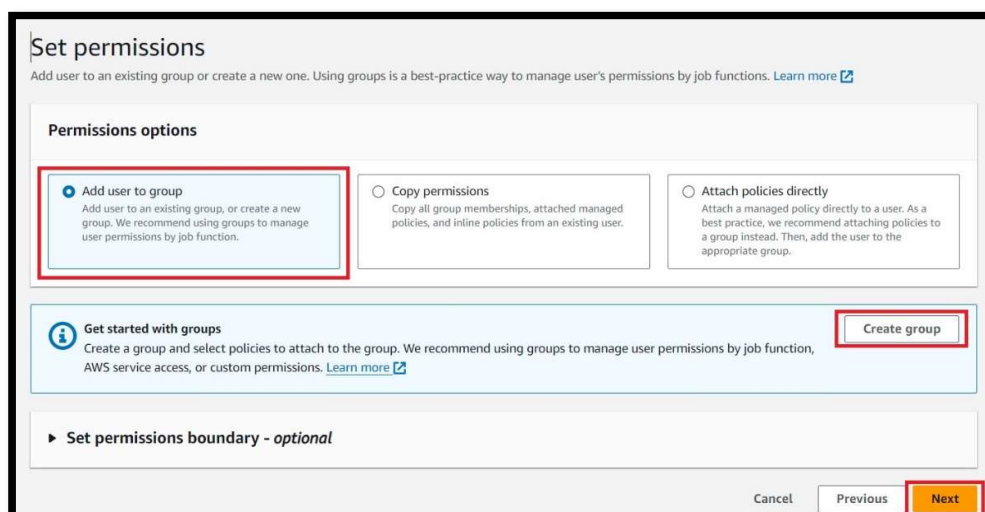
☐ Show password

☒ 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**

Step 5: It is recommended that you include the user in a group. Adding users in a group helps to manage the different permissions and access levels. Select Add user to group and click on Create group.



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**

Step 6: Give a group name and give full access of S3 and click on create user group.

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.
GroupS3
Maximum 128 characters. Use alphanumeric and '+', '=', '@', '-' characters.

Permissions policies (1/912)

Filter by Type
S3 All types 9 matches

	Policy name	Type	Use...	Description
<input type="checkbox"/>	AmazonDMSRedsh...	AWS managed	None	Provides access to manage S3 setti
<input checked="" type="checkbox"/>	AmazonS3FullAccess	AWS managed	None	Provides full access to all buckets v
<input type="checkbox"/>	AmazonS3ObjectL...	AWS managed	None	Provides AWS Lambda functions pe
<input type="checkbox"/>	AmazonS3Outpost...	AWS managed	None	Provides full access to Amazon S3 e
<input type="checkbox"/>	AmazonS3Outpost...	AWS managed	None	Provides read only access to Amazc

Cancel Create user group

Step 7: Select the group and click on next and then Create User.

User groups (1)

Search

	Group name	Users	Attached policies	Created
<input type="checkbox"/>	GroupS3	0	AmazonS3FullAccess	2024-02-05 (Now)

► Set permissions boundary - optional

Cancel Previous Next

Step 8: After creating user you will get the user credentials in a csv file. These credentials will be required at the time of login.

aws Services Search [Alt+S] Global SOUMYADIP JANA

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://654654179516.signin.aws.amazon.com/console

User name
Soumya_IAM1

Console password
***** Show

Cancel Download .csv file Return to users list