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Assignment 1
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IAM USER CASE: Creation of IAM account to have Full access to
S3 Service
```
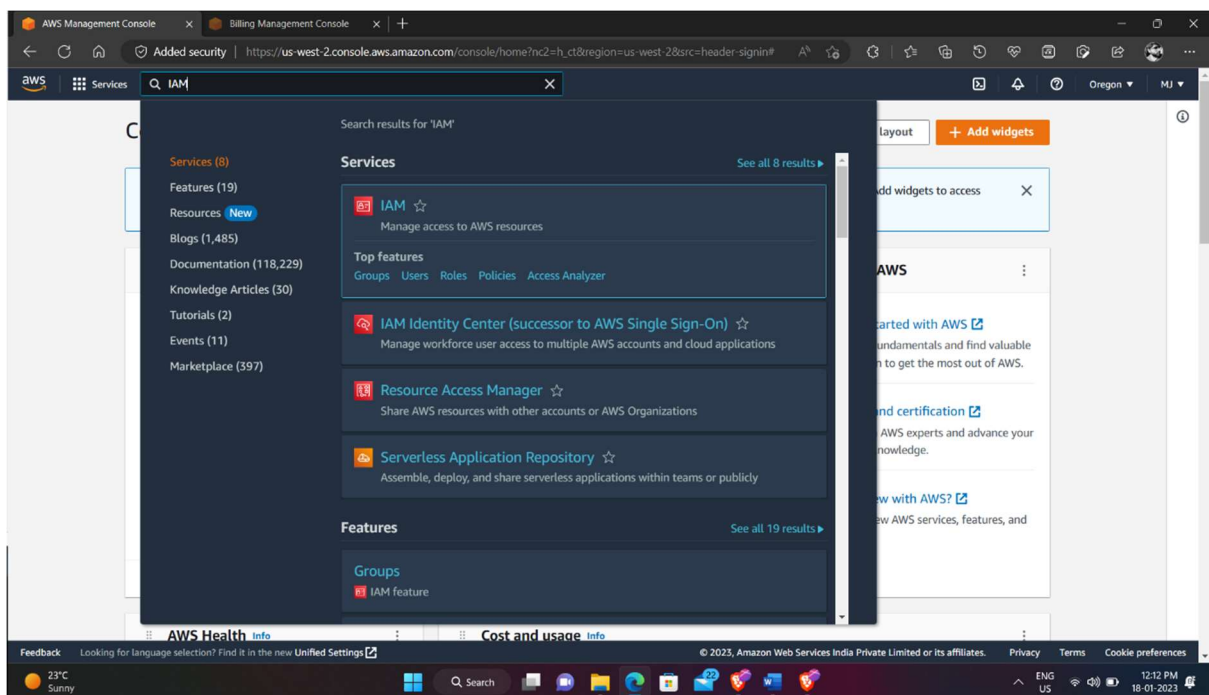
- Login to AWS Management Console and navigate to the IAM Services.
- Select "Users" from the navigation menu and click the 'Add User' button.
- Enter a username for the new account and the click "Programmatic access" as the access type.
- Click "Next: Permissions" button to move to the next step.
- Select "Attach existing policies directly" and then search for the "AmazonS3FullAccess" policy.
- Select the policy and click the "Next: Tags" button.
- You can add any optional tags if you want and then click the "Next: Review" button.
- Review the user settings and then click the "Create user" button to create the account.

After the account is created, you will be shown the access key. This can be used to access the S3 services using the AWS SDK or the AWS CLI.

Screenshot 1: IAM Dashboard

IAM Management Console | Billing Management Console | +

Added security | https://us-east-1.console.aws.amazon.com/iamv2/home?region=us-west-2#/home

aws | Services | Search [Alt+S] | Global ▼ | MJ ▼

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
Service control policies (SCPs)

IAM dashboard

Security recommendations 2

✓ **Root user has MFA**
Having multi-factor authentication (MFA) for the root user improves security for this account.

⚠ **Deactivate or delete access keys for root user**
Deactivate or delete the access keys for the root user. Instead, use access keys attached to an IAM user to improve security.   [Manage access keys]

⚠ **Update policies with deprecated actions for Billing and Cost Management products**
We are replacing the following IAM actions for Billing, Cost Management, and Account consoles with granular IAM actions: aws-portal:ViewBilling, aws-portal:ModifyBilling, aws-portal:ViewAccount, aws-portal:ModifyAccount, aws-portal:ViewPaymentMethods, aws-portal:ModifyPaymentMethods, aws-portal:ViewUsage, purchase-orders:ViewPurchaseOrders, and purchase-orders:ModifyPurchaseOrders. To ensure you don't lose access to AWS Billing, Cost Management, and Account console based features, update your existing IAM policies to include the new IAM actions. Examples of features impacted include AWS Cost Explorer, AWS Budgets, Billing console, and more.   [View affected policies]

IAM resources

User groups	Users	Roles	Policies	Identity providers
0	0	6	0	0

What's new ⧉

AWS Account

Account ID
846780726677

Account Alias
846780726677   Create

Sign-in URL for IAM users in this account
https://846780726677.signin.aws.amazon.com/console

Quick Links ⧉
My security credentials
Manage your access keys, multi-factor authentication (MFA) and other credentials.

Tools ⧉
Policy simulator
The simulator evaluates the policies that you choose and determines the effective permissions for each of the actions that you specify.

https://us-east-1.console.aws.amazon.com/iamv2/home?region=us-west-2#/users

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Screenshot 2: Users list

IAM Management Console | Billing Management Console | +

Added security | https://us-east-1.console.aws.amazon.com/iamv2/home?region=us-west-2#/users

aws | Services | Search [Alt+S] | Global ▼ | MJ ▼

Identity and Access Management (IAM) ✕

ℹ **Introducing the new Users list experience**
We've redesigned the Users list experience to make it easier to use. Let us know what you think.   ✕

IAM > Users

Users (0) Info
An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.
[Delete] [Add users]

🔍 Find users by username or access key   < 1 >

☐	User name ▽	Groups	Last activity	MFA	Password age	Active key age
			No resources to display			

Search IAM
Dashboard
▼ Access management
User groups
Users
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Service control policies (SCPs)

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Screenshot 3: Add user

IAM Management Console | Billing Management Console | +

Added security | https://us-east-1.console.aws.amazon.com/iam/home#/users$new?step=details

aws | Services | Search [Alt+S] | Global ▼ | MJ ▼

Add user

① ② ③ ④ ⑤

Set user details

You can add multiple users at once with the same access type and permissions. Learn more

User name*   [S3-User]

⊕ Add another user

Select AWS access type

Select how these users will primarily access AWS. If you choose only programmatic access, it does NOT prevent users from accessing the console using an assumed role. Access keys and autogenerated passwords are provided in the last step. Learn more

Select AWS credential type*   ☑ **Access key - Programmatic access**
Enables an **access key ID** and **secret access key** for the AWS API, CLI, SDK, and other development tools.

☐ **Password - AWS Management Console access**
Enables a **password** that allows users to sign-in to the AWS Management Console.

* Required   [Cancel] [Next: Permissions]

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Added security | https://us-east-1.console.aws.amazon.com/iam/home#/users$new?step=permissions&accessKey&userNames...

aws   Services   Search   [Alt+S]   Global ▼   MJ ▼

| | Add user to group | Copy permissions from existing user | Attach existing policies directly |

Create policy

Filter policies ⌄   Search   Showing 808 results

		Policy name ▾	Type	Used as
☐	▶	AdministratorAccess	Job function	Permissions policy (1)
☐	▶	AdministratorAccess-Amplify	AWS managed	None
☐	▶	AdministratorAccess-AWSElasticBeanstalk	AWS managed	None
☐	▶	AlexaForBusinessDeviceSetup	AWS managed	None
☐	▶	AlexaForBusinessFullAccess	AWS managed	None
☐	▶	AlexaForBusinessGatewayExecution	AWS managed	None
☐	▶	AlexaForBusinessLifesizeDelegatedAccessPolicy	AWS managed	None
☐	▶	AlexaForBusinessPolyDelegatedAccessPolicy	AWS managed	None
☐	▶	AlexaForBusinessReadOnlyAccess	AWS managed	None
☐	▶	AmazonAPIGatewayAdministrator	AWS managed	None
☐	▶	AmazonAPIGatewayInvokeFullAccess	AWS managed	None

Cancel   Previous   Next: Tags

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Added security | https://us-east-1.console.aws.amazon.com/iam/home#/users$new?step=permissions&accessKey&userNames...

aws   Services   Search   [Alt+S]   Global ▼   MJ ▼

Add user   ① ② ③ ④ ⑤

▾ Set permissions

| | Add user to group | Copy permissions from existing user | Attach existing policies directly |

Create policy

Filter policies ⌄   AmazonS3   Showing 5 results

		Policy name ▾	Type	Used as
☑	▶	AmazonS3FullAccess	AWS managed	None
☐	▶	AmazonS3ObjectLambdaExecutionRolePolicy	AWS managed	None
☐	▶	AmazonS3OutpostsFullAccess	AWS managed	None
☐	▶	AmazonS3OutpostsReadOnlyAccess	AWS managed	None
☐	▶	AmazonS3ReadOnlyAccess	AWS managed	None

▶ Set permissions boundary

Cancel   Previous   Next: Tags

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Added security | https://us-east-1.console.aws.amazon.com/iam/home#/users$new?step=permissions&accessKey&userNames...

aws   Services   Search   [Alt+S]   Global ▼   MJ ▼

Add user   ① ② ③ ④ ⑤

▾ Set permissions

| | Add user to group | Copy permissions from existing user | Attach existing policies directly |

Create policy

Filter policies ⌄   AmazonS3   Showing 5 results

		Policy name ▾	Type	Used as
☑	▶	AmazonS3FullAccess	AWS managed	None
☐	▶	AmazonS3ObjectLambdaExecutionRolePolicy	AWS managed	None
☐	▶	AmazonS3OutpostsFullAccess	AWS managed	None
☐	▶	AmazonS3OutpostsReadOnlyAccess	AWS managed	None
☐	▶	AmazonS3ReadOnlyAccess	AWS managed	None

▶ Set permissions boundary

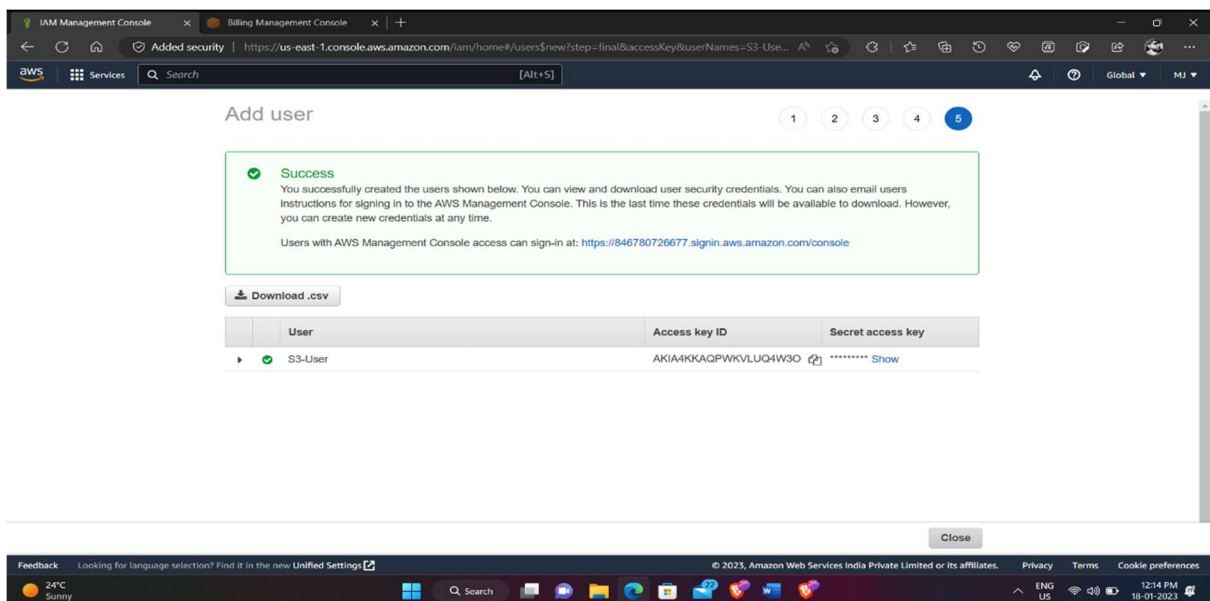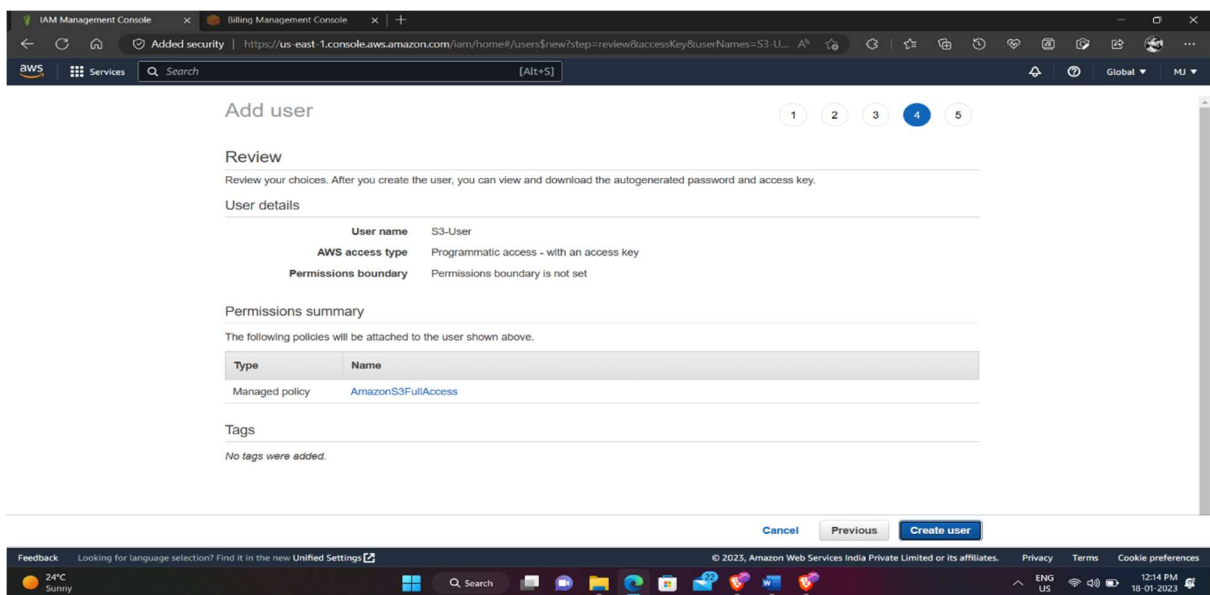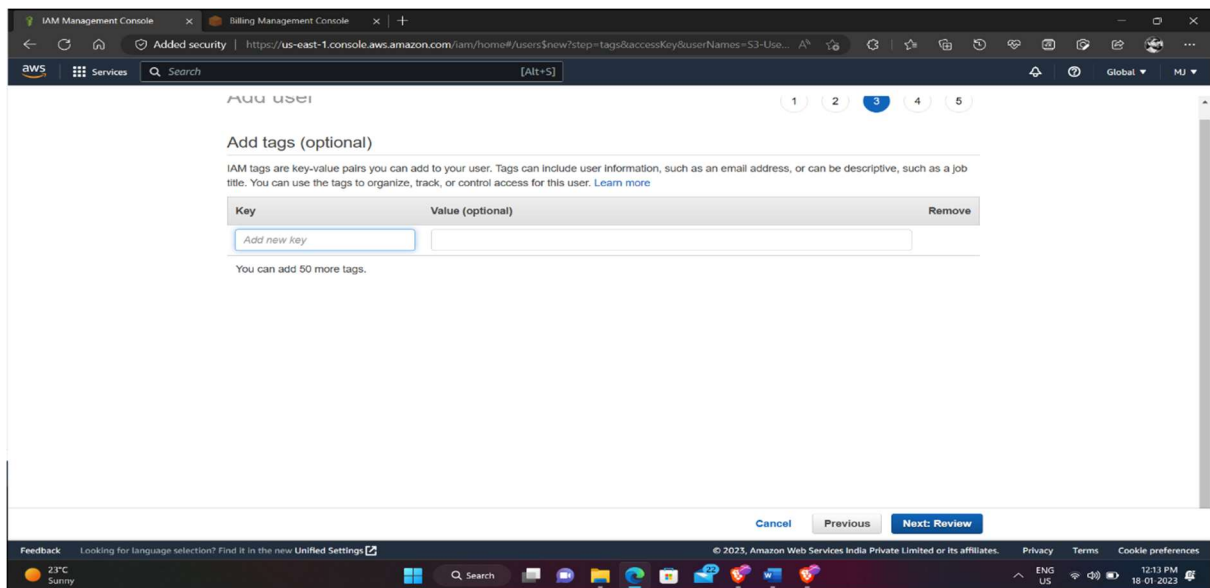Cancel   Previous   Next: Tags

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Add user

Add tags (optional)

IAM tags are key-value pairs you can add to your user. Tags can include user information, such as an email address, or can be descriptive, such as a job title. You can use the tags to organize, track, or control access for this user. Learn more

Key	Value (optional)	Remove
Add new key		

You can add 50 more tags.

Cancel   Previous   Next: Review

Add user

Review

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

User details

User name   S3-User
AWS access type   Programmatic access - with an access key
Permissions boundary   Permissions boundary is not set

Permissions summary

The following policies will be attached to the user shown above.

Type	Name
Managed policy	AmazonS3FullAccess

Tags

No tags were added.

Cancel   Previous   Create user

Add user

✓ Success
You successfully created the users shown below. You can view and download user security credentials. You can also email users instructions for signing in to the AWS Management Console. This is the last time these credentials will be available to download. However, you can create new credentials at any time.

Users with AWS Management Console access can sign-in at: https://846780726677.signin.aws.amazon.com/console

⬇ Download .csv

	User	Access key ID	Secret access key
▶ ✓	S3-User	AKIA4KKAQPWKVLUQ4W3O	********* Show

Close