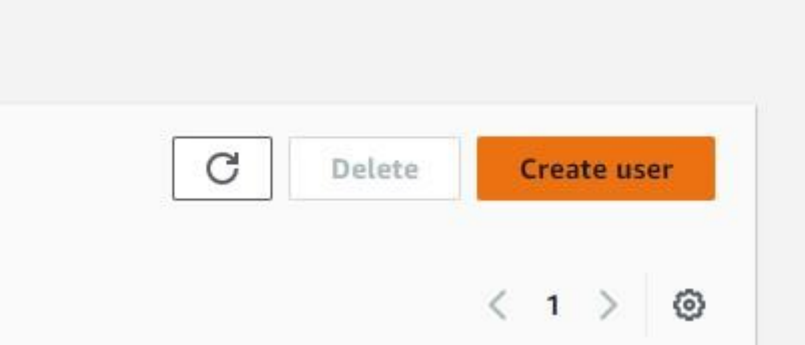
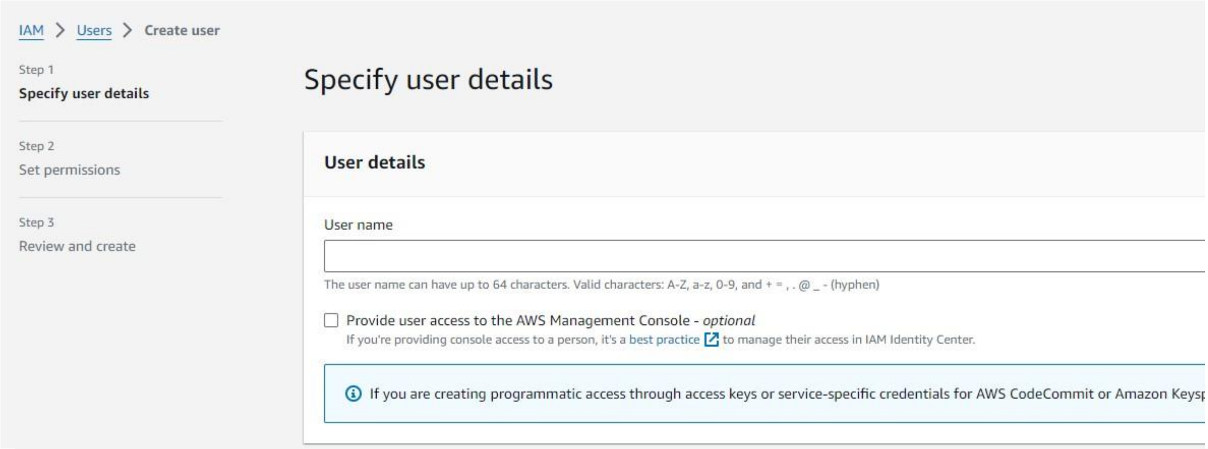
Practical – 5





IAM > Users > Create user

Step 1
Specify user details

Step 2
Set permissions

Step 3
Review and create

Specify user details

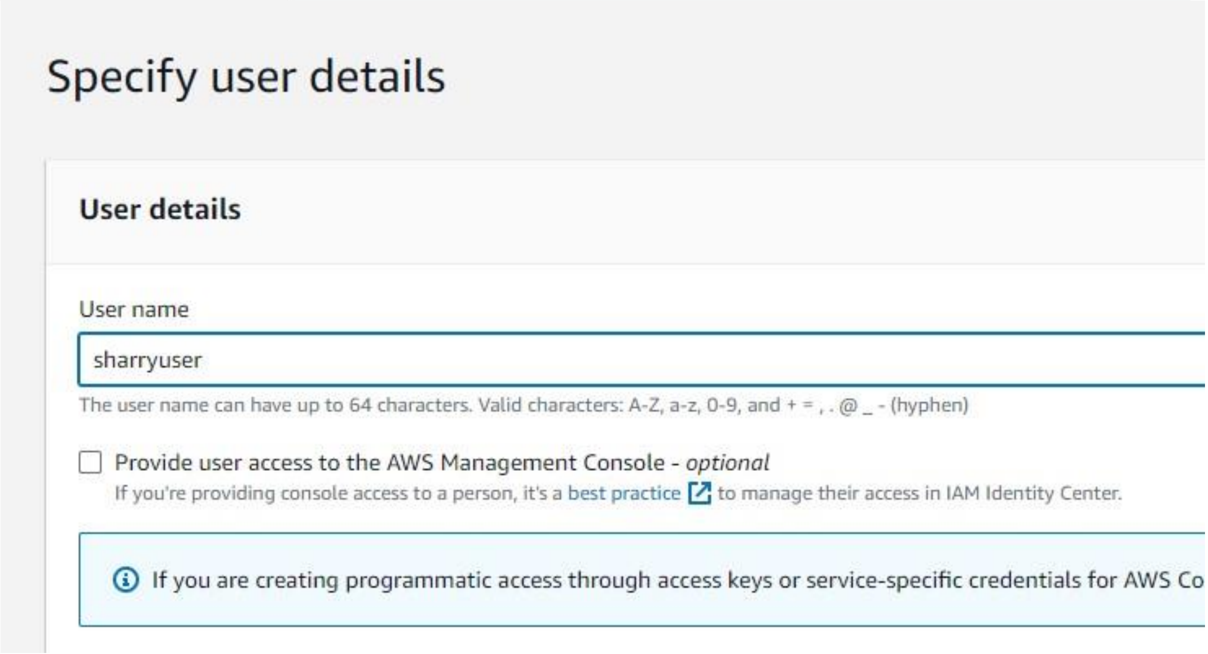
User details

User name

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.

ⓘ If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keysp



Specify user details

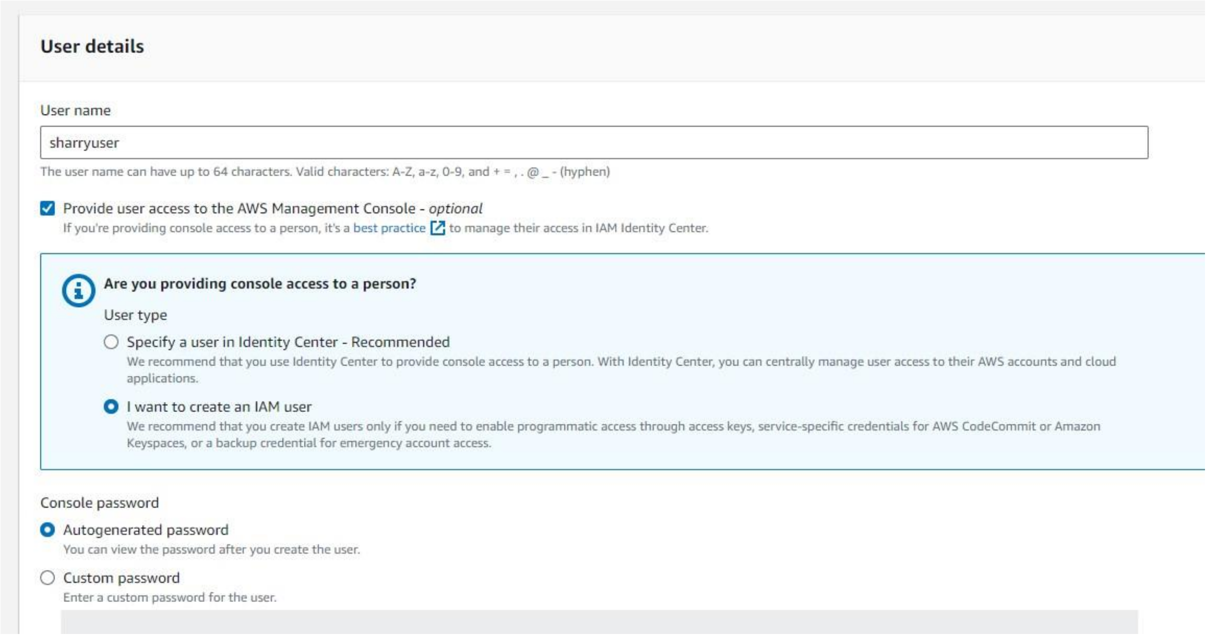
User details

User name: sharryuser

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.

ⓘ If you are creating programmatic access through access keys or service-specific credentials for AWS Co



User details

User name

sharryuser

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

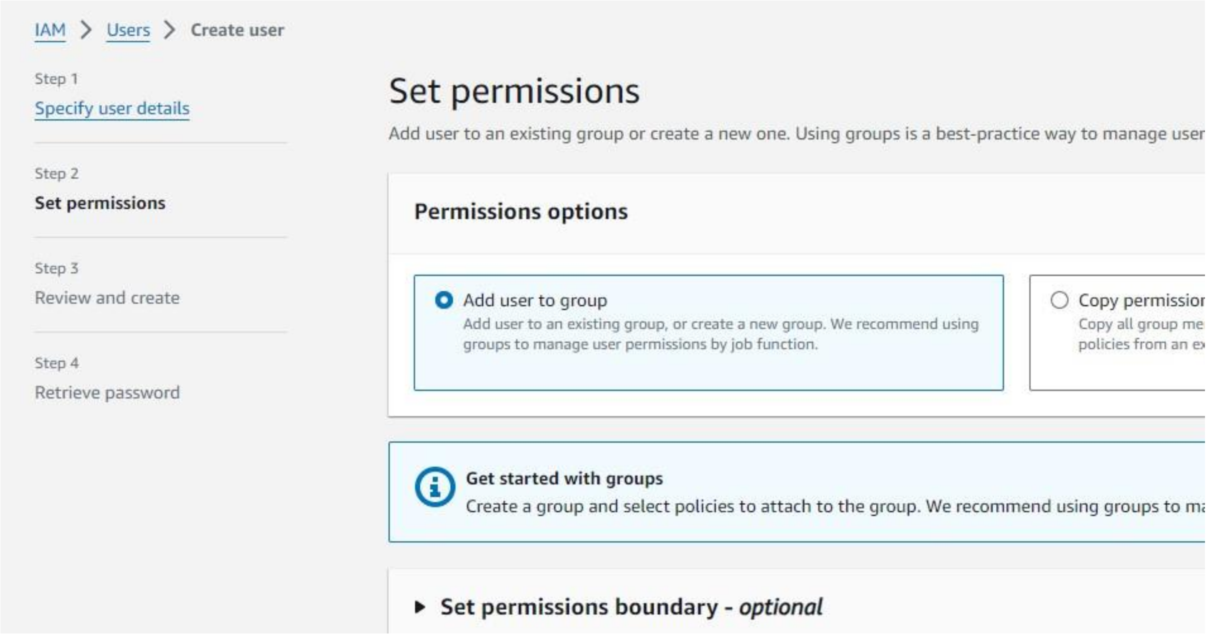
● Autogenerated password

You can view the password after you create the user.

○ Custom password

Enter a custom password for the user.

Next



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

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.

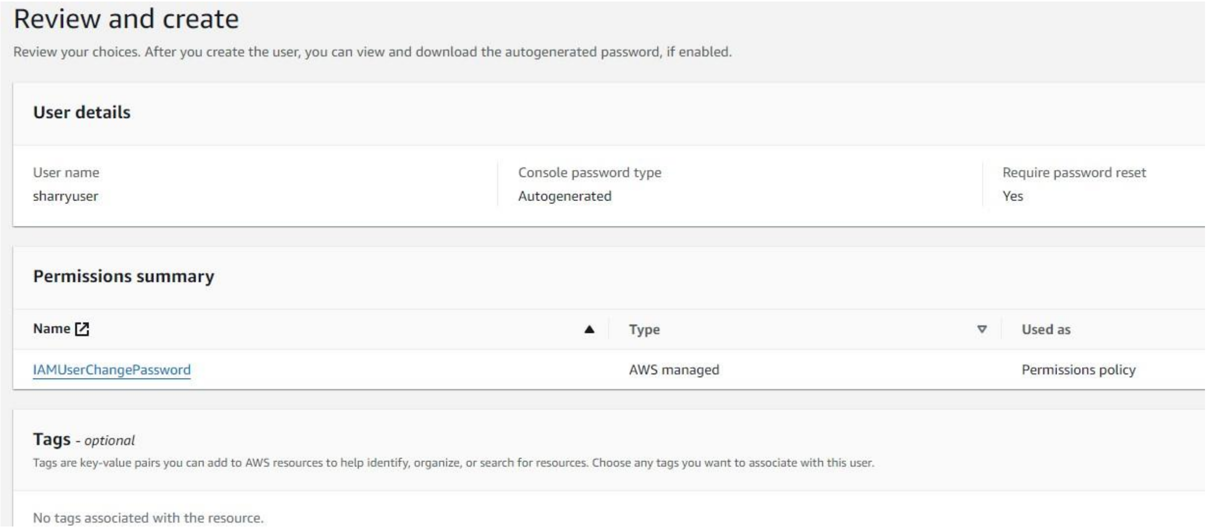
○ Copy permission

Copy all group me policies from an ex

Get started with groups

Create a group and select policies to attach to the group. We recommend using groups to ma

▸ **Set permissions boundary - *optional***



Review and create

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

User details

User name	Console password type	Require password reset
sharryuser	Autogenerated	Yes

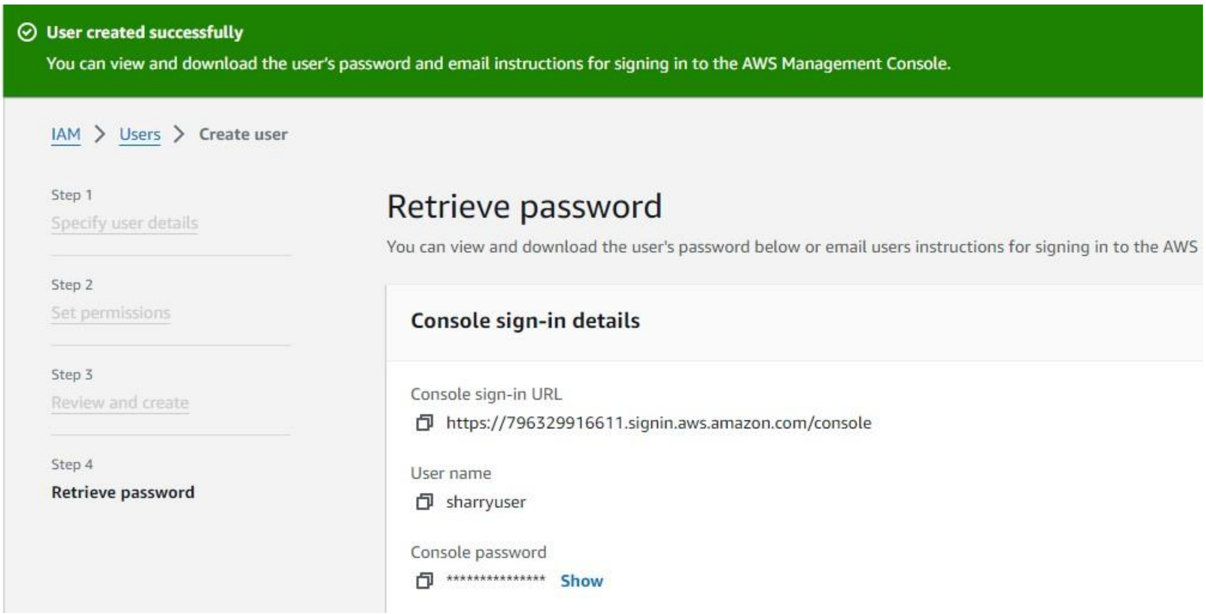
Permissions summary

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.



User created successfully

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

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

Console sign-in details

Console sign-in URL
https://796329916611.signin.aws.amazon.com/console

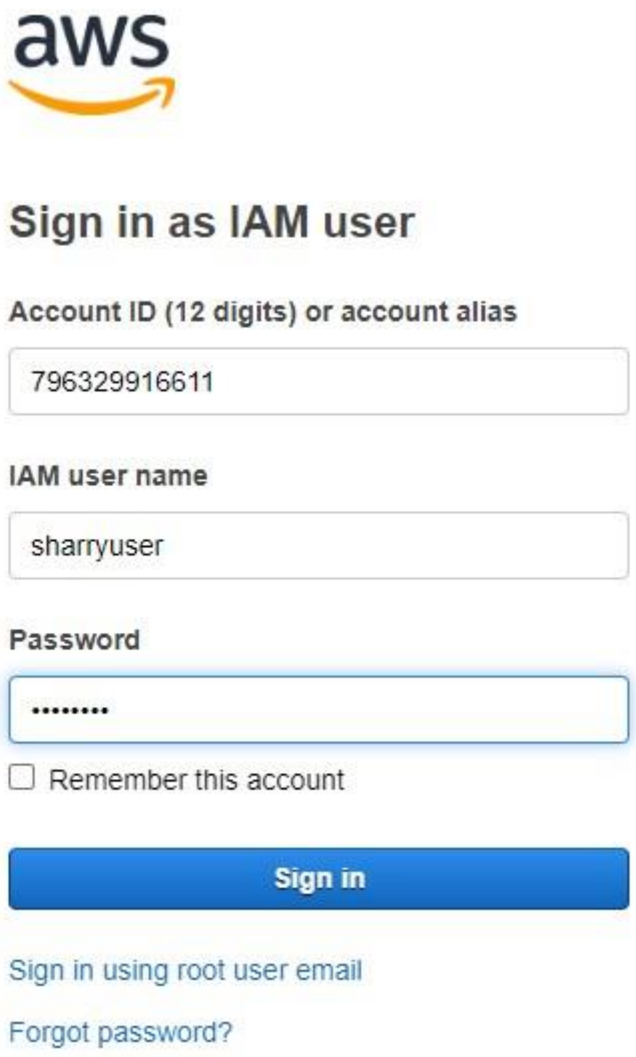
User name
sharryuser

Console password
*************** Show

Copy the given url

Go to incognito and paste the url

Copy username and password



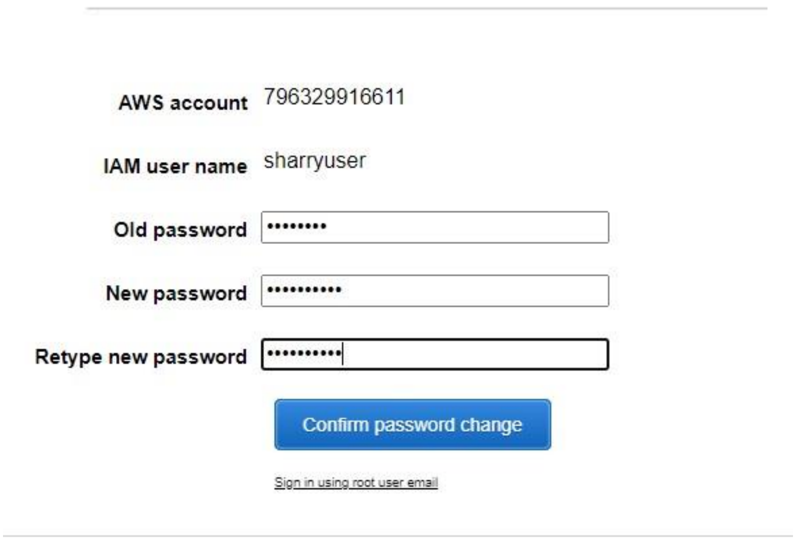
Sign in as IAM user

Account ID (12 digits) or account alias: 796329916611

IAM user name: sharryuser

Password: ••••••••

□ Remember this account



AWS account: 796329916611

IAM user name: sharryuser

Old password: ••••••••

New password: ••••••••••

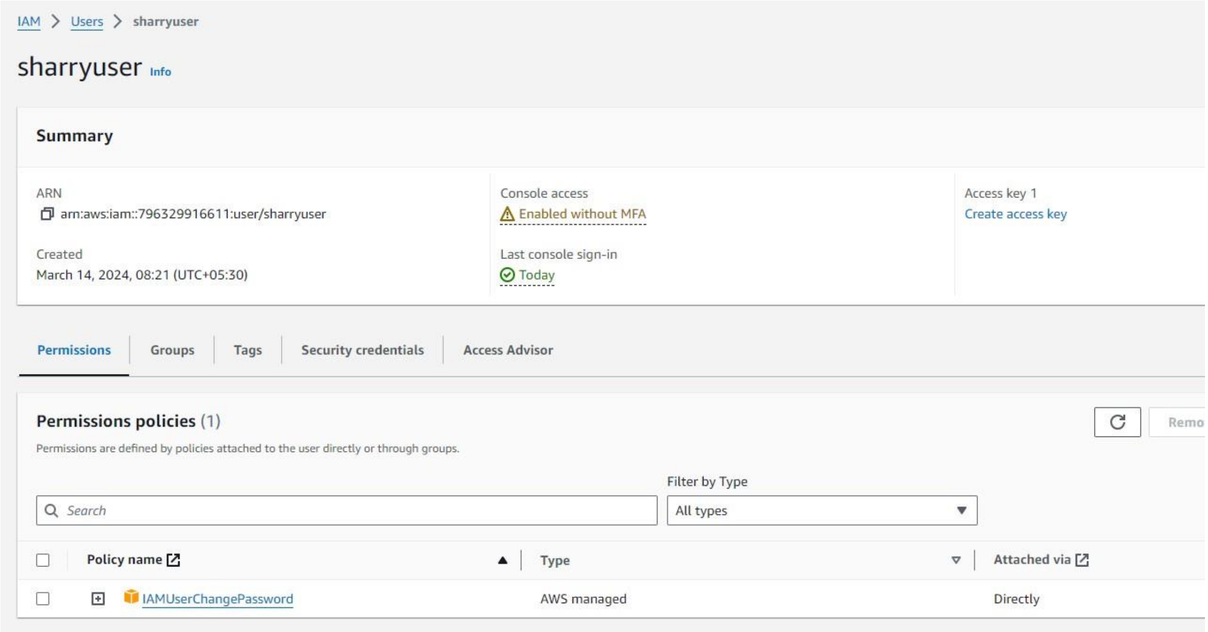
Retype new password: ••••••••••

Now go back to prev tab

Users->continue

Click on the username

A new window opens



IAM > Users > sharryuser

sharryuser Info

Summary

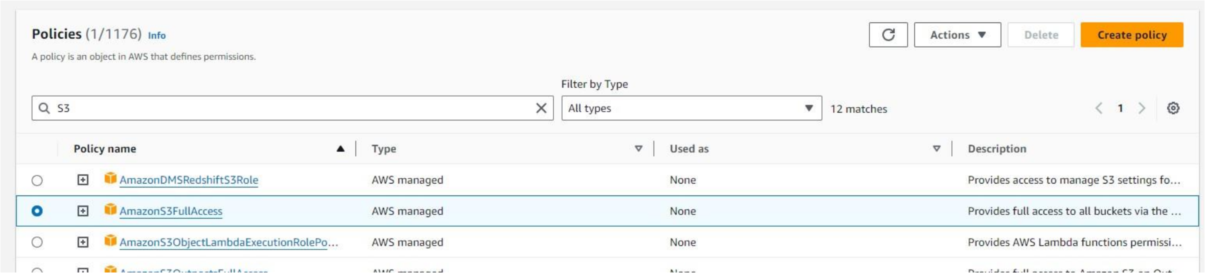
ARN arn:aws:iam::796329916611:user/sharryuser	Console access ⚠ Enabled without MFA	Access key 1 Create access key
Created March 14, 2024, 08:21 (UTC+05:30)	Last console sign-in ✓ Today	

Permissions policies (1)

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

Filter by Type: All types

□	Policy name ▲	Type	Attached via
□	IAMUserChangePassword	AWS managed	Directly



Policies (1/1176) Info

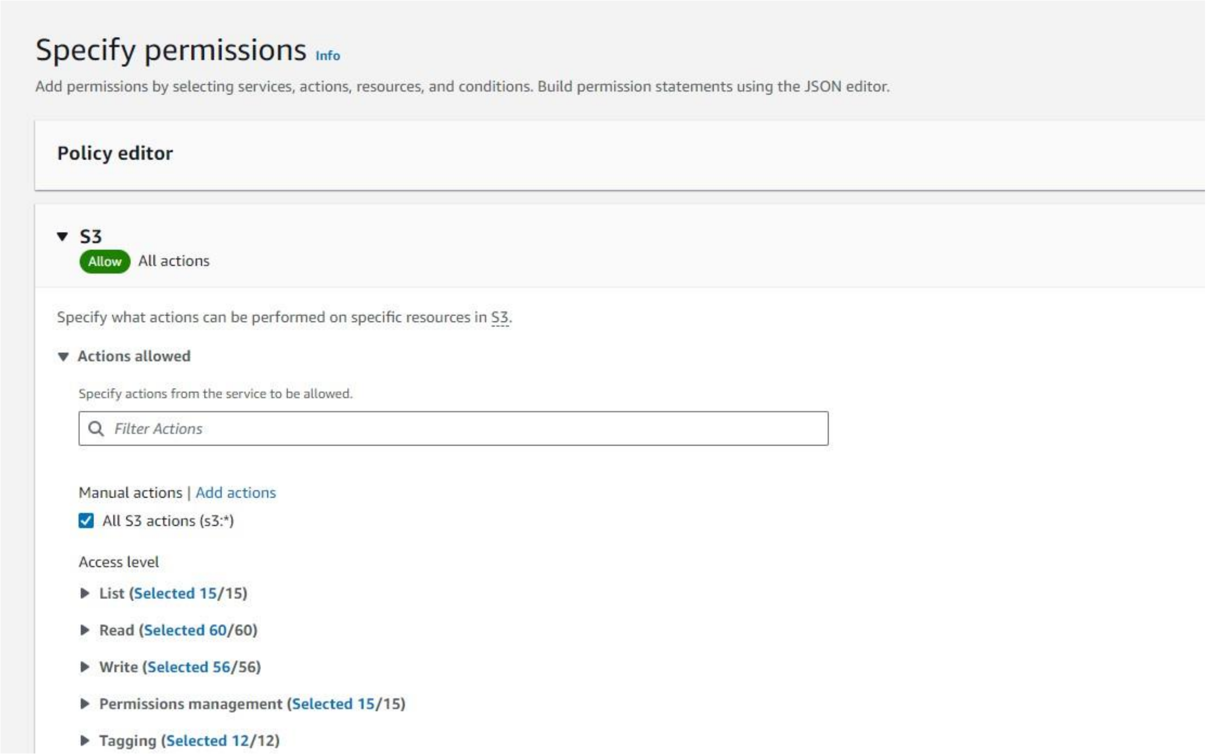
A policy is an object in AWS that defines permissions.

Search: S3

Filter by Type: All types

12 matches

	Policy name ▲	Type	Used as	Description
○	AmazonDMSRedshiftS3Role	AWS managed	None	Provides access to manage S3 settings fo…
●	AmazonS3FullAccess	AWS managed	None	Provides full access to all buckets via the …
○	AmazonS3ObjectLambdaExecutionRolePo…	AWS managed	None	Provides AWS Lambda functions permissi…
○	AmazonS3OutpostsFullAccess	AWS managed	None	Provides full access to Amazon S3 on Out…



Specify permissions Info

Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.

Policy editor

▼ S3

Allow All actions

Specify what actions can be performed on specific resources in S3.

▼ Actions allowed

Specify actions from the service to be allowed.

Filter Actions

Manual actions | Add actions

☑ All S3 actions (s3:*)

Access level

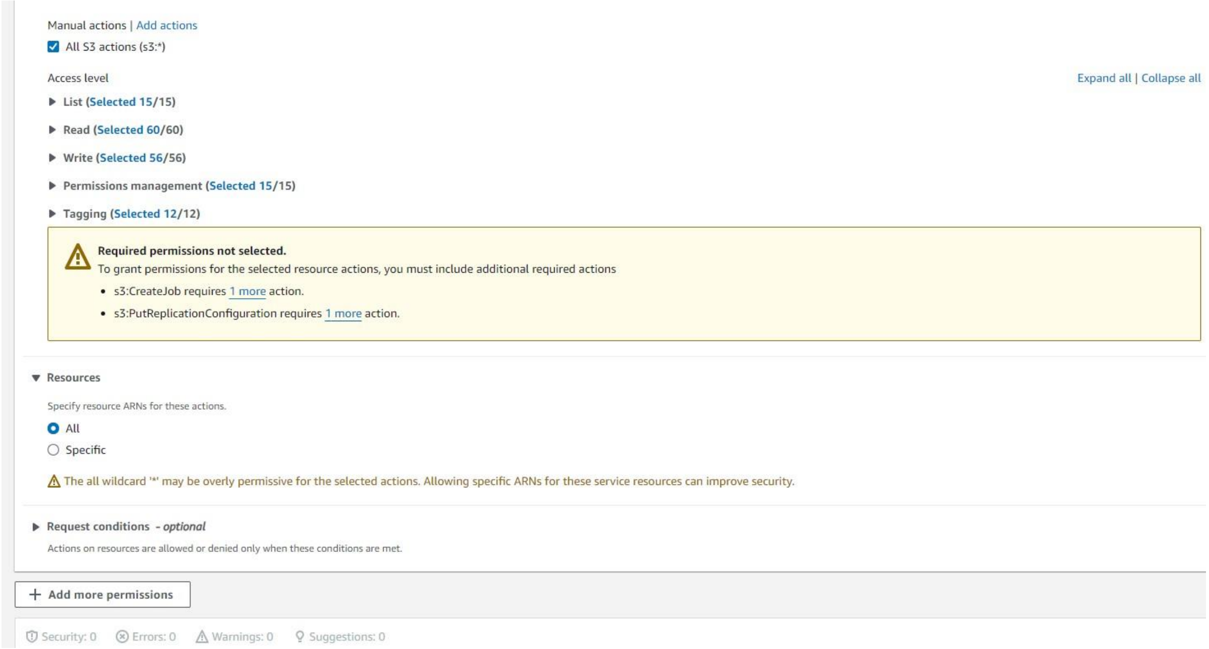
▶ List (Selected 15/15)

▶ Read (Selected 60/60)

▶ Write (Selected 56/56)

▶ Permissions management (Selected 15/15)

▶ Tagging (Selected 12/12)



Manual actions | Add actions

☑ All S3 actions (s3:*)

Access level

Expand all | Collapse all

▶ List (Selected 15/15)

▶ Read (Selected 60/60)

▶ Write (Selected 56/56)

▶ Permissions management (Selected 15/15)

▶ Tagging (Selected 12/12)

⚠ **Required permissions not selected.**

To grant permissions for the selected resource actions, you must include additional required actions

- s3:CreateJob requires 1 more action.
- s3:PutReplicationConfiguration requires 1 more action.

▼ Resources

Specify resource ARNs for these actions.

● All

○ Specific

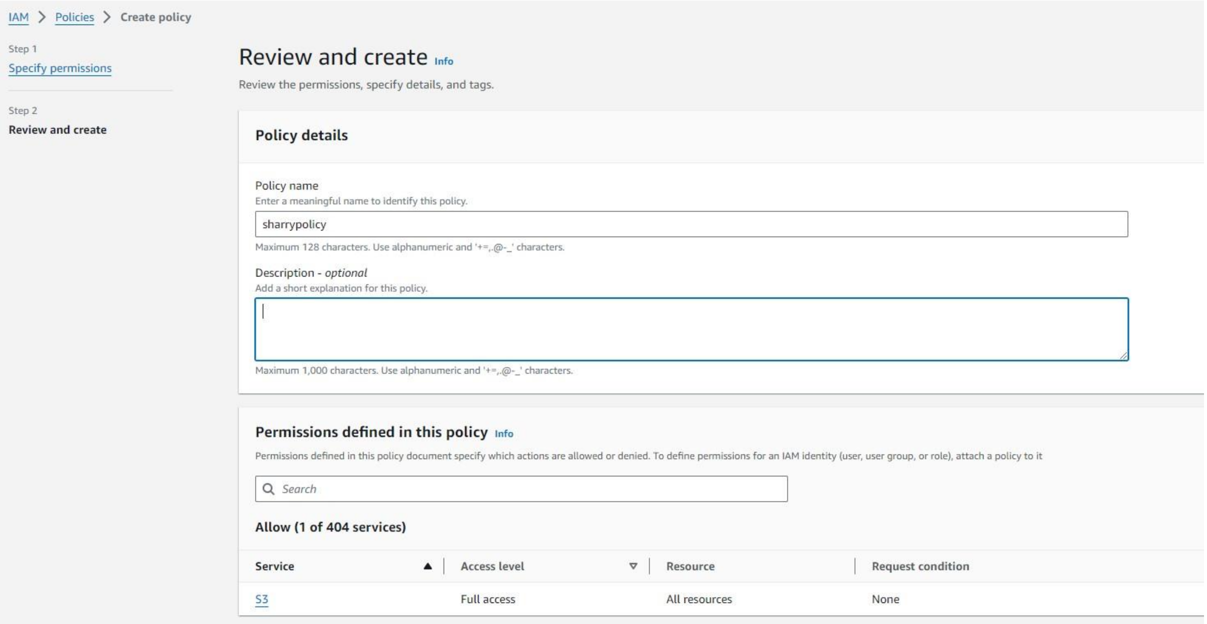
⚠ The all wildcard '*' may be overly permissive for the selected actions. Allowing specific ARNs for these service resources can improve security.

▶ Request conditions - *optional*

Actions on resources are allowed or denied only when these conditions are met.

+ Add more permissions

Security: 0 Errors: 0 Warnings: 0 Suggestions: 0



Review and create Info

Review the permissions, specify details, and tags.

Policy details

Policy name
Enter a meaningful name to identify this policy.
sharrypolicy
Maximum 128 characters. Use alphanumeric and '+=,.@-_' characters.

Description - *optional*
Add a short explanation for this policy.

Maximum 1,000 characters. Use alphanumeric and '+=,.@-_' characters.

Permissions defined in this policy Info

Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it

Search

Allow (1 of 404 services)

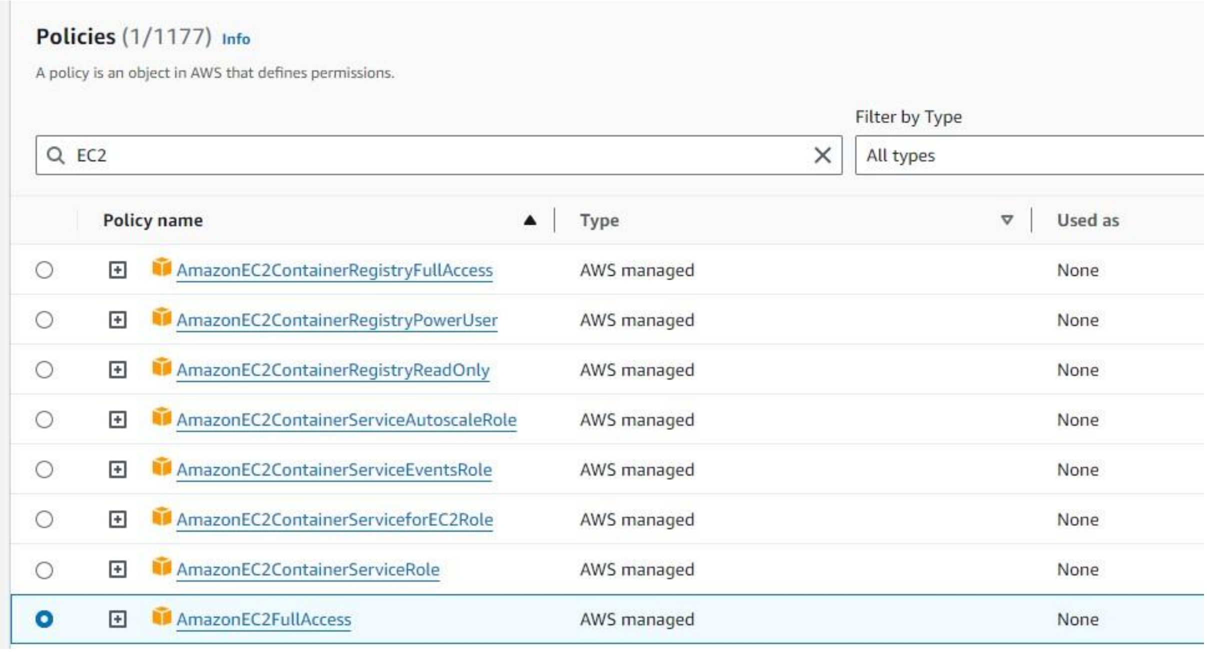
Service ▲	Access level ▽	Resource	Request condition
S3	Full access	All resources	None

Create policy

Now go back to Previous tab of incognito->click service->S3

Now u can see create bucket service is enabled

NOW FOR ec2->select EC2 full access in policies



Policies (1/1177) Info

A policy is an object in AWS that defines permissions.

Filter by Type

EC2 ✕ | All types

		Policy name ▲	Type ▽	Used as
○	⊞	AmazonEC2ContainerRegistryFullAccess	AWS managed	None
○	⊞	AmazonEC2ContainerRegistryPowerUser	AWS managed	None
○	⊞	AmazonEC2ContainerRegistryReadOnly	AWS managed	None
○	⊞	AmazonEC2ContainerServiceAutoscaleRole	AWS managed	None
○	⊞	AmazonEC2ContainerServiceEventsRole	AWS managed	None
○	⊞	AmazonEC2ContainerServiceforEC2Role	AWS managed	None
○	⊞	AmazonEC2ContainerServiceRole	AWS managed	None
●	⊞	AmazonEC2FullAccess	AWS managed	None

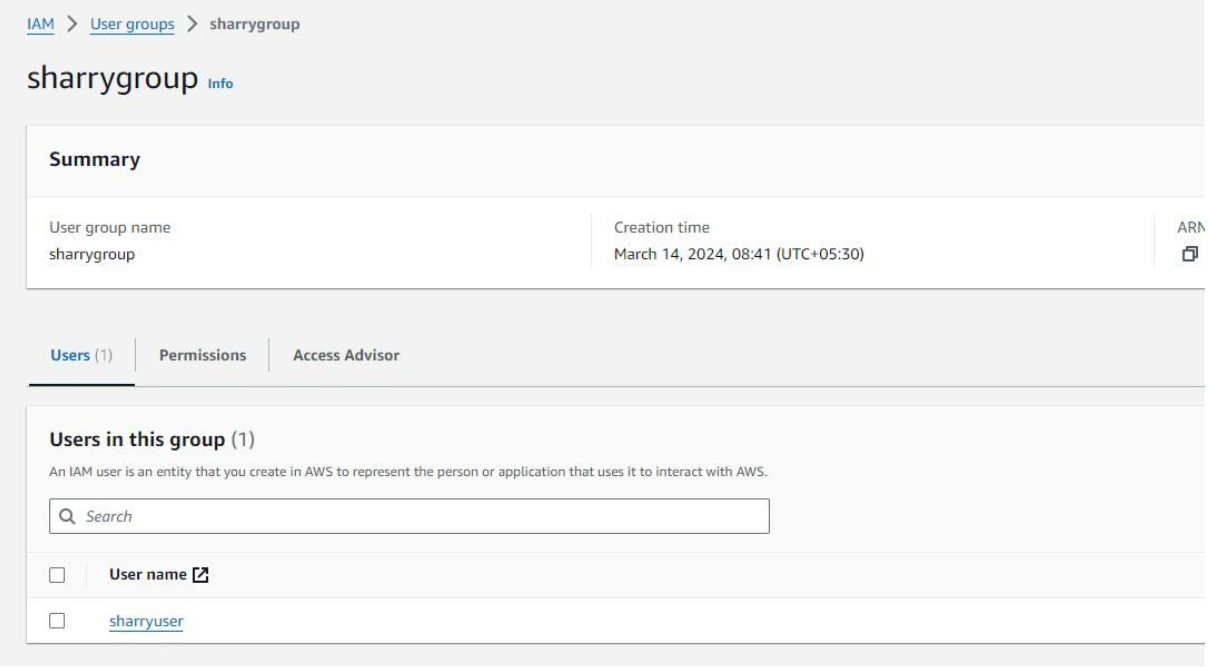
Now create group->go to user groups and create groups

Give a name

In the checklist select EC2f

Now click on the group->verify group is created

The window is visible



IAM > User groups > sharrygroup

sharrygroup Info

Summary

User group name
sharrygroup

Creation time
March 14, 2024, 08:41 (UTC+05:30)

ARN

Users (1) | Permissions | Access Advisor

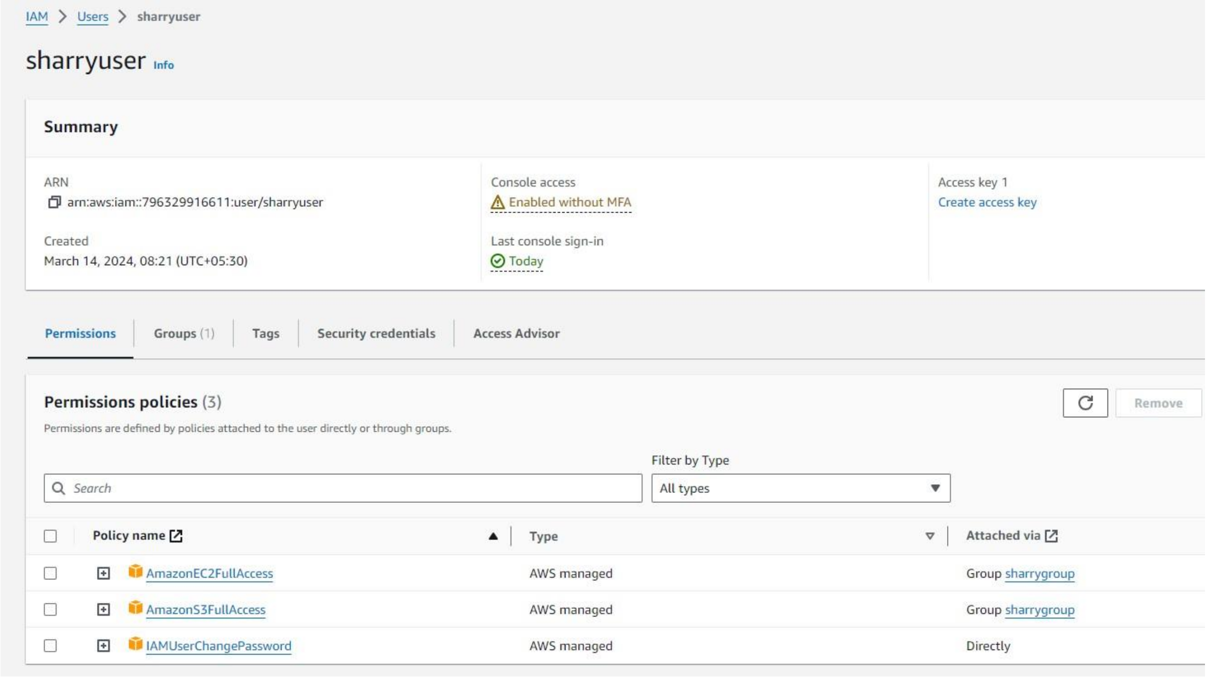
Users in this group (1)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

□	User name
□	sharryuser

Verify policies are attached



IAM > Users > sharryuser

sharryuser Info

Summary

ARN
arn:aws:iam::796329916611:user/sharryuser

Created
March 14, 2024, 08:21 (UTC+05:30)

Console access
Enabled without MFA

Last console sign-in
Today

Access key 1
Create access key

Permissions | Groups (1) | Tags | Security credentials | Access Advisor

Permissions policies (3)

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

Remove

Search

Filter by Type
All types

□	Policy name	Type	Attached via
□	AmazonEC2FullAccess	AWS managed	Group sharrygroup
□	AmazonS3FullAccess	AWS managed	Group sharrygroup
□	IAMUserChangePassword	AWS managed	Directly