॥ सिद्धिः भूषयते विद्याम् ॥

avantika
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Discipline

Create 2-IAM USER

CS5002

Activity-3

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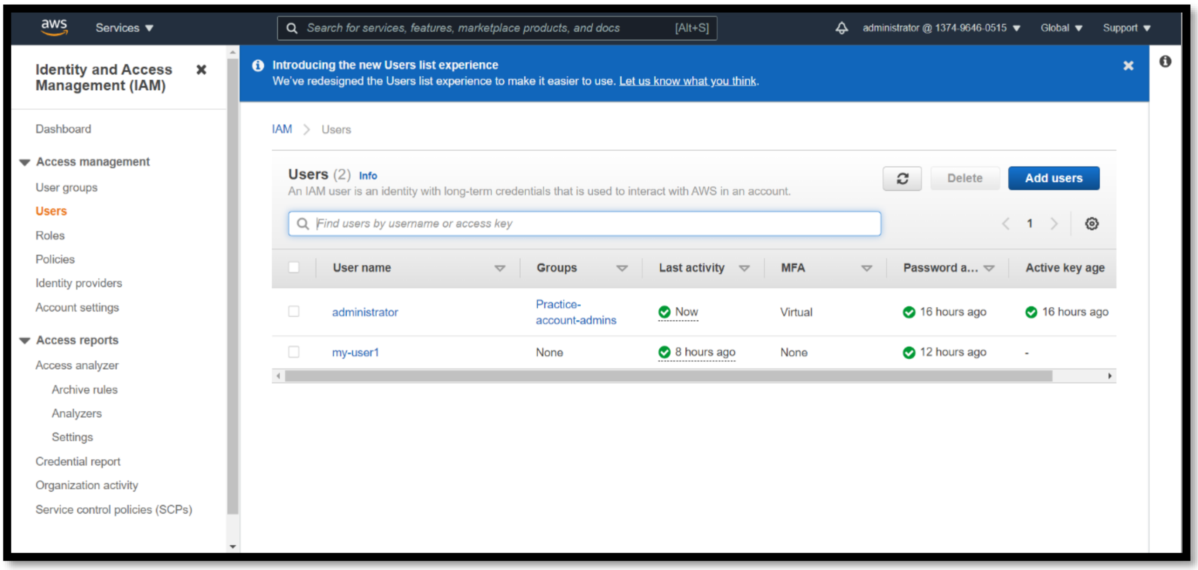
❖ Problem Statement:

1. IAM user: s3 Full Access, console and programmatic access, and reset password at first login.
2. IAM user: s3 read access, only console access, custom password, and reset pass at first login.

❖ Solution 1)

Steps 1) Go to **IAM service** and then to **Access Management > Users > Add User** in dashboard



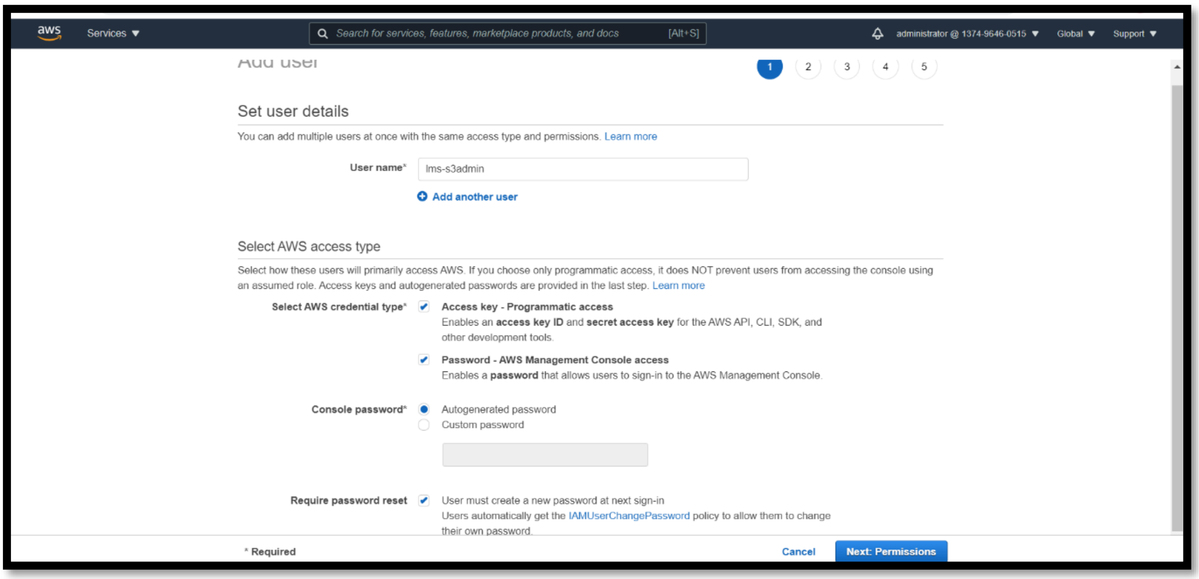
Introducing the new Users list experience
We've redesigned the Users list experience to make it easier to use. Let us know what you think.

Users (2) Info
An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Find users by username or access key

□	User name	Groups	Last activity	MFA	Password a...	Active key age
□	administrator	Practice-account-admins	✓ Now	Virtual	✓ 16 hours ago	✓ 16 hours ago
□	my-user1	None	✓ 8 hours ago	None	✓ 12 hours ago	-

Steps 2) Assigning **Username, Access type (i.e., console + Programmatic)** & **permissions (Reset at 1st login)**. Then click next.



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Services ▼
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administrator @ 1374-9646-0515 ▼
Global ▼
Support ▼
Add user
1
2
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4
5
Cancel
Next: Permissions

Set user details

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

User name* lms-s3admin

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.

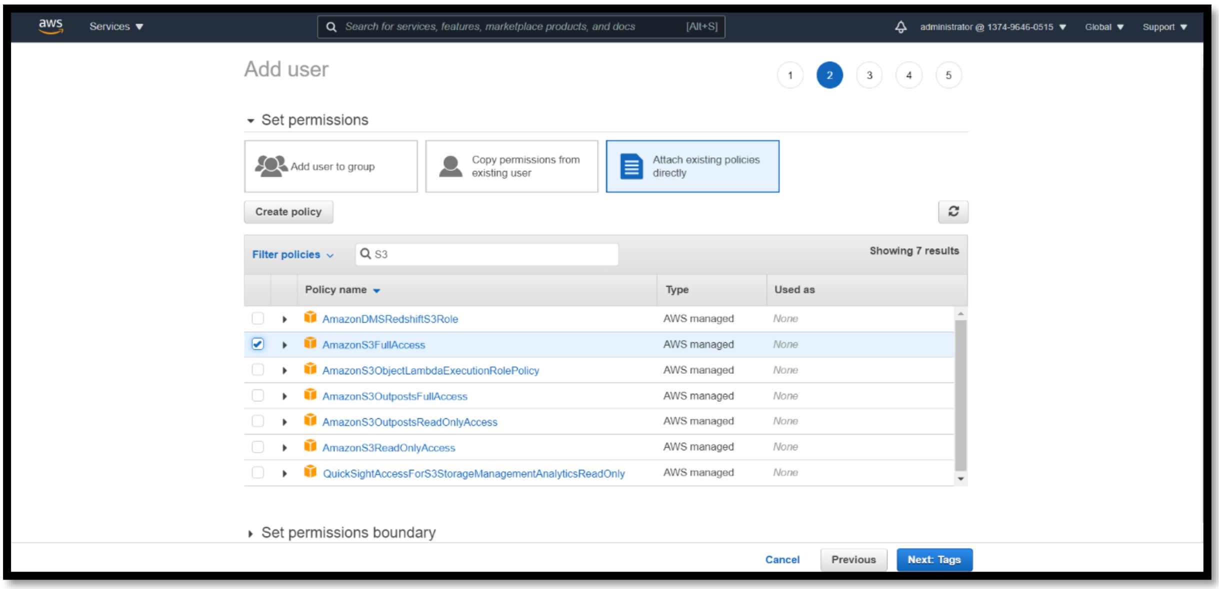
☑ **Password - AWS Management Console access**
Enables a **password** that allows users to sign-in to the AWS Management Console.

Console password* ● Autogenerated password
○ Custom password

Require password reset ☑ User must create a new password at next sign-in
Users automatically get the IAMUserChangePassword policy to allow them to change their own password.

* Required

Steps 3) Go to **Attach existing policies** and search S3FullAcess, select & Assigning **S3 permissions.** Then click next.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Global ▼
Support ▼
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Add user to group
Copy permissions from existing user
Attach existing policies directly
Create policy
Filter policies ⌄
Cancel
Previous
Next: Tags

Add user

Set permissions

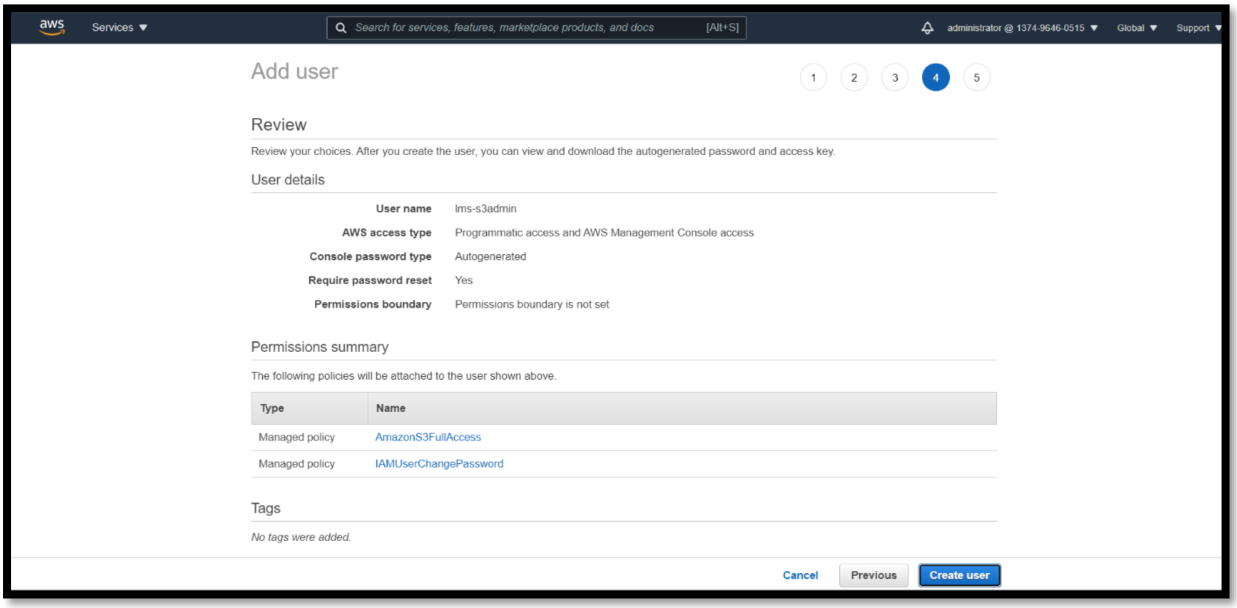
S3

Showing 7 results

		Policy name ▼	Type	Used as
□	▸	AmazonDMSRedshiftS3Role	AWS managed	None
☑	▸	AmazonS3FullAccess	AWS managed	None
□	▸	AmazonS3ObjectLambdaExecutionRolePolicy	AWS managed	None
□	▸	AmazonS3OutpostsFullAccess	AWS managed	None
□	▸	AmazonS3OutpostsReadOnlyAccess	AWS managed	None
□	▸	AmazonS3ReadOnlyAccess	AWS managed	None
□	▸	QuickSightAccessForS3StorageManagementAnalyticsReadOnly	AWS managed	None

Set permissions boundary

NOTE: The user is successfully created and below are the screenshots for the same: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administrator @ 1374-9646-0515 ▼
Global ▼
Support ▼
1
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Cancel
Previous
Create user

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	lms-s3admin
AWS access type	Programmatic access and AWS Management Console access
Console password type	Autogenerated
Require password reset	Yes
Permissions boundary	Permissions boundary is not set

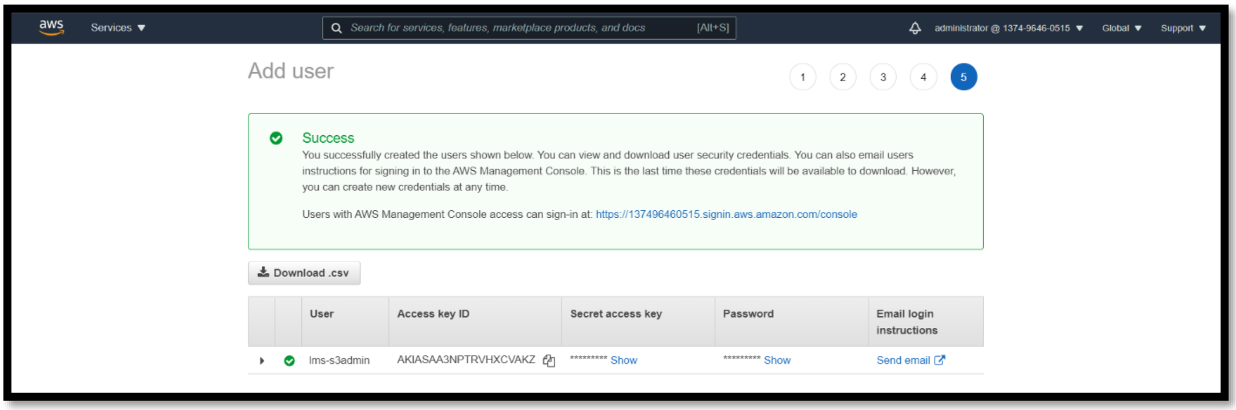
Permissions summary

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

Type	Name
Managed policy	AmazonS3FullAccess
Managed policy	IAMUserChangePassword

Tags

No tags were added.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Global ▼
Support ▼
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Download .csv

Add user

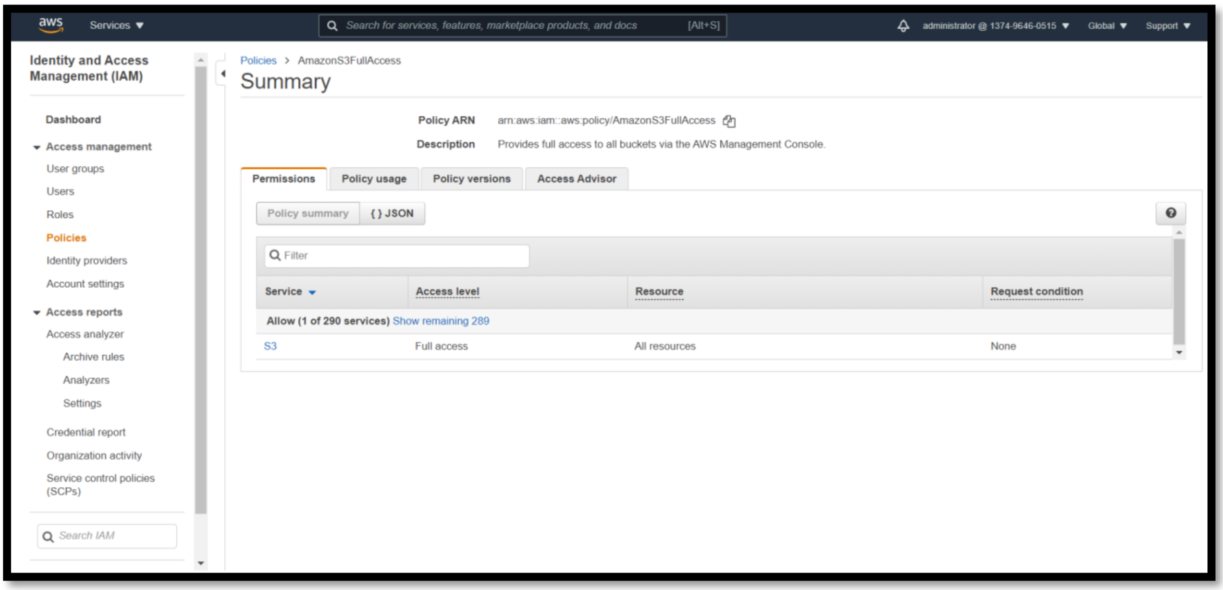
Success

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://137496460515.signin.aws.amazon.com/console

		User	Access key ID	Secret access key	Password	Email login instructions
▸	✓	lms-s3admin	AKIASAA3NPTRVHXCVAKZ	********* Show	********* Show	Send email

Steps 4) Click on **S3FullAccess permissions.** Then on policy summary.



Policies > AmazonS3FullAccess

Summary

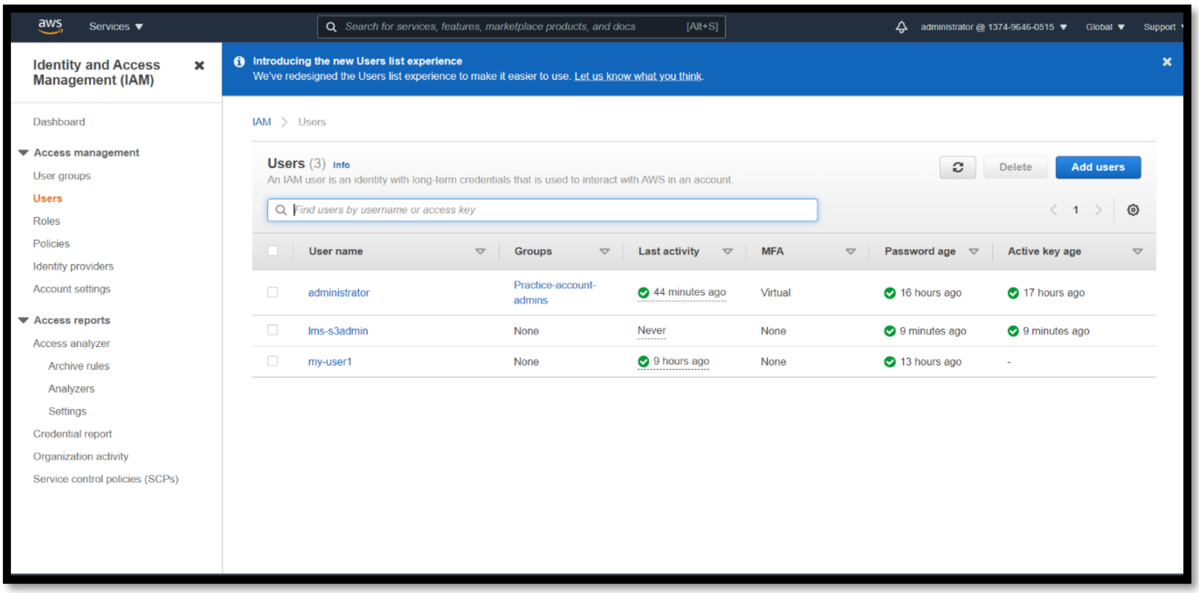
Policy ARN arn:aws:iam::aws:policy/AmazonS3FullAccess

Description Provides full access to all buckets via the AWS Management Console.

Service	Access level	Resource	Request condition
Allow (1 of 290 services) Show remaining 289			
S3	Full access	All resources	None

❖ Solution 2)

Steps 1) Go to **IAM service** and then to **Access Management > Users > Add User** in dashboard



Introducing the new Users list experience
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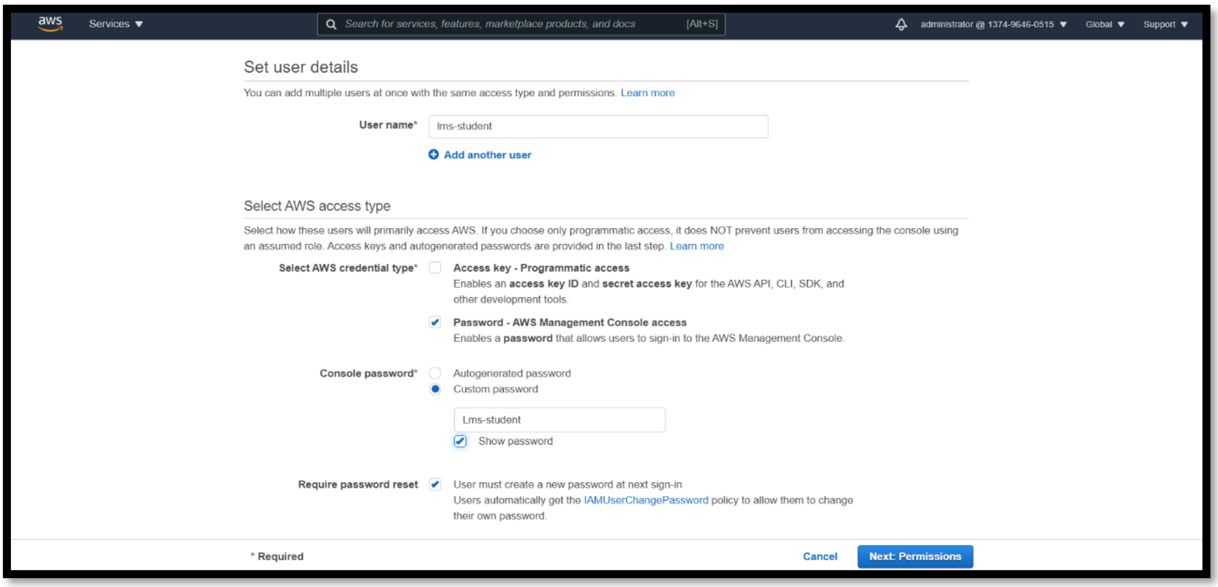
IAM > Users

Users (3) Info
An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

□	User name	Groups	Last activity	MFA	Password age	Active key age
□	administrator	Practice-account-admins	✓ 44 minutes ago	Virtual	✓ 16 hours ago	✓ 17 hours ago
□	lms-s3admin	None	Never	None	✓ 9 minutes ago	✓ 9 minutes ago
□	my-user1	None	✓ 9 hours ago	None	✓ 13 hours ago	-

Steps 2) Assigning **Username**, **Access type (i.e., only console), Custom password** & **permissions (Reset at 1st login)**. Then click next.



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administrator @ 1374-9646-0515 ▼
Global ▼
Support ▼

Set user details

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

User name* lms-student

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.

Console password* ○ Autogenerated password
● Custom password

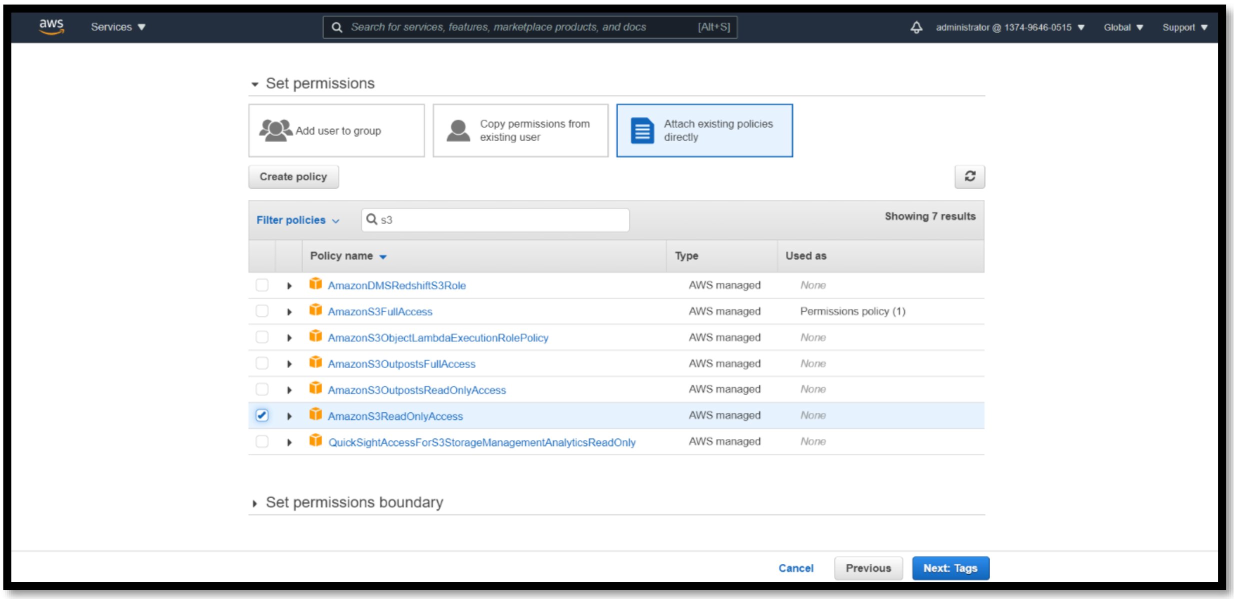
Lms-student

☑ Show password

Require password reset ☑ User must create a new password at next sign-in
Users automatically get the IAMUserChangePassword policy to allow them to change their own password.

* Required

Steps 3) Go to **Attach existing policies** and search S3ReadOnlyAcess, select & Assigning **S3 permissions.** Then click next.



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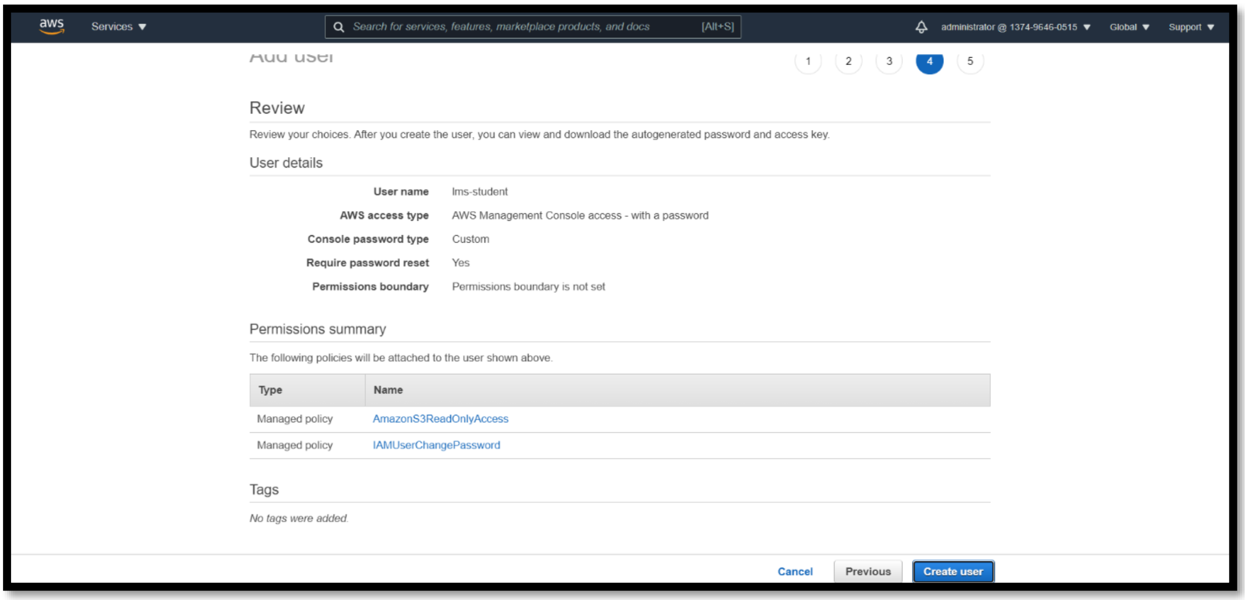
administrator @ 1374-9646-0515 ▼
Global ▼
Support ▼
Set permissions
Add user to group
Copy permissions from existing user
Attach existing policies directly
Create policy
Filter policies

s3

Showing 7 results

		Policy name	Type	Used as
□	▸	AmazonDMSRedshiftS3Role	AWS managed	None
□	▸	AmazonS3FullAccess	AWS managed	Permissions policy (1)
□	▸	AmazonS3ObjectLambdaExecutionRolePolicy	AWS managed	None
□	▸	AmazonS3OutpostsFullAccess	AWS managed	None
□	▸	AmazonS3OutpostsReadOnlyAccess	AWS managed	None
☑	▸	AmazonS3ReadOnlyAccess	AWS managed	None
□	▸	QuickSightAccessForS3StorageManagementAnalyticsReadOnly	AWS managed	None

NOTE: The user is successfully created and below are the screenshots for the same: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administrator @ 1374-9646-0515 ▾
Global ▾
Support ▾
Add user
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Review

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

User details

User name	lms-student
AWS access type	AWS Management Console access - with a password
Console password type	Custom
Require password reset	Yes
Permissions boundary	Permissions boundary is not set

Permissions summary

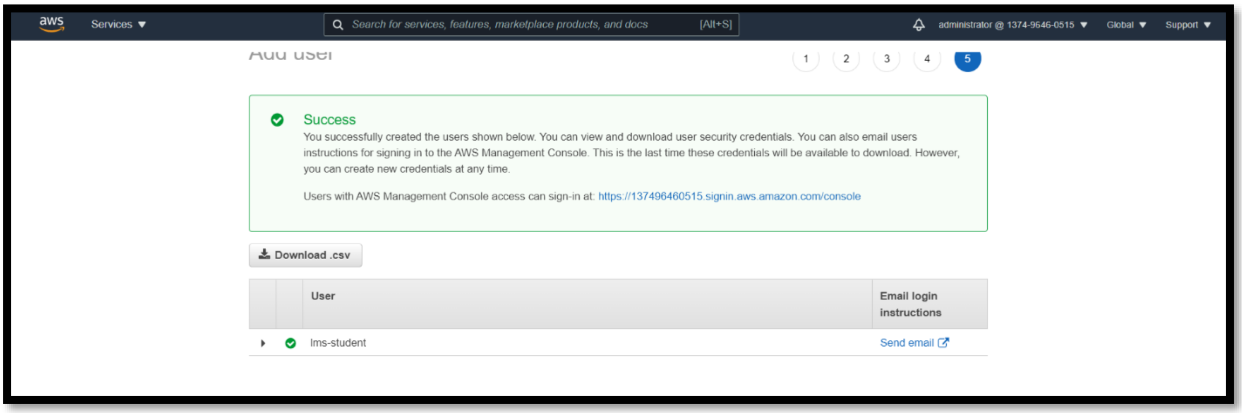
The following policies will be attached to the user shown above.

Type	Name
Managed policy	AmazonS3ReadOnlyAccess
Managed policy	IAMUserChangePassword

Tags

No tags were added.

Cancel
Previous
Create user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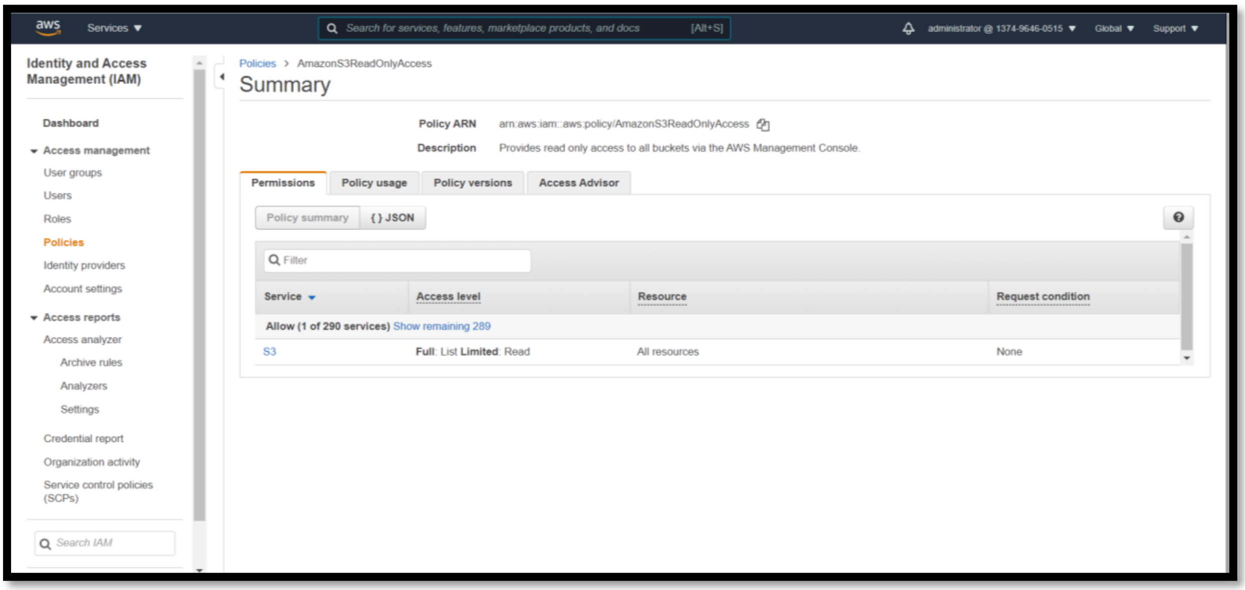
Users with AWS Management Console access can sign-in at: https://137496460515.signin.aws.amazon.com/console

		User	Email login instructions
▸	✓	lms-student	Send email

Steps 4) Click on **S3ReadOnly permissions.** Then on policy summary.



Summary

Policy ARN	arn:aws:iam::aws:policy/AmazonS3ReadOnlyAccess
Description	Provides read only access to all buckets via the AWS Management Console.

Service ▾	Access level	Resource	Request condition
Allow (1 of 290 services) Show remaining 289			
S3	Full: List Limited: Read	All resources	None