

# ASSIGNMENT 1

## WORKING WITH IAM

### A. Create 3 users and set user permissions

- User 1 with S3 Full Access

add user

1 2 3 4 5

### Review

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

#### User details

User name	User1
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	<a href="#">AmazonS3FullAccess</a>

#### Tags

No tags were added.

Cancel Previous **Create user**

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- User 2 with EC2 Full Access

**Add user** 1 2 3 4 5

**Review**

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

**User details**

<b>User name</b>	User2
<b>AWS access type</b>	AWS Management Console access - with a password
<b>Console password type</b>	Autogenerated
<b>Require password reset</b>	Yes
<b>Permissions boundary</b>	Permissions boundary is not set

**Permissions summary**

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

Type	Name
Managed policy	<a href="#">AmazonEC2FullAccess</a>
Managed policy	<a href="#">IAMUserChangePassword</a>

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- User 3 with EC2 full access

**Add user** 1 2 3 4 5

**Review**

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

**User details**

<b>User name</b>	User3
<b>AWS access type</b>	Programmatic access and AWS Management Console access
<b>Console password type</b>	Custom
<b>Require password reset</b>	Yes
<b>Permissions boundary</b>	Permissions boundary is not set

**Permissions summary**

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

Type	Name
Managed policy	<a href="#">AmazonEC2FullAccess</a>
Managed policy	<a href="#">IAMUserChangePassword</a>

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- All three users

The screenshot shows the AWS IAM Management Console interface. The left sidebar contains the navigation menu with sections for Identity and Access Management (IAM), Access management, and Access reports. The main content area is titled 'Users' and shows a list of IAM users. The table has columns for User name, Groups, Last activity, MFA, Password a..., and Active status. The users listed are PALAK, User1, User2, and User3.

	User name	Groups	Last activity	MFA	Password a...	Active
<input type="checkbox"/>	PALAK	None	✓ 50 days ago	None	None	29C
<input checked="" type="checkbox"/>	User1	None	Never	None	None	5 m
<input checked="" type="checkbox"/>	User2	None	Never	None	✓ 1 minute ago	-
<input checked="" type="checkbox"/>	User3	None	Never	None	✓ Now	✓ No

## B. Create one group, Add users to the group and Set a unique group permission

- User group

The screenshot shows the AWS IAM Management Console interface for the 'User groups' page. The left sidebar is the same as the previous screenshot. The main content area is titled 'User groups' and shows a list of user groups. The table has columns for Group name, Users, Permissions, and Creation time. One group is listed: 'usergroupassignment'.

	Group name	Users	Permissions	Creation time
<input type="checkbox"/>	usergroupassignment	3	✓ Defined	Now

- Added users (User1, User2, and User3)

The screenshot shows the AWS IAM Management Console interface. The left sidebar contains navigation links for Identity and Access Management (IAM), Access management, Access reports, and Credential report. The main content area displays the details for the 'usergroupassignment' user group. The 'Summary' section shows the user group name, creation time (August 04, 2021, 22:15 UTC+05:30), and ARN. The 'Users' tab is active, showing a list of three users: User2, User1, and User3, all created within the last 10 minutes.

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	User2	1	None	5 minutes ago
<input type="checkbox"/>	User1	1	None	10 minutes ago
<input type="checkbox"/>	User3	1	None	4 minutes ago

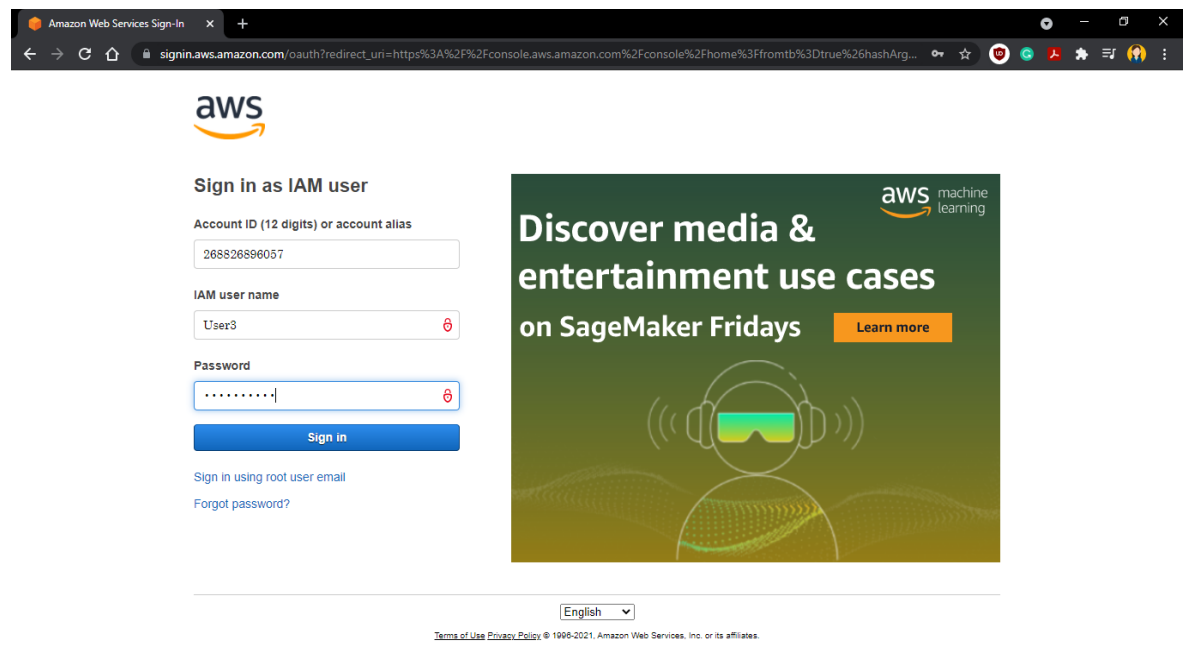
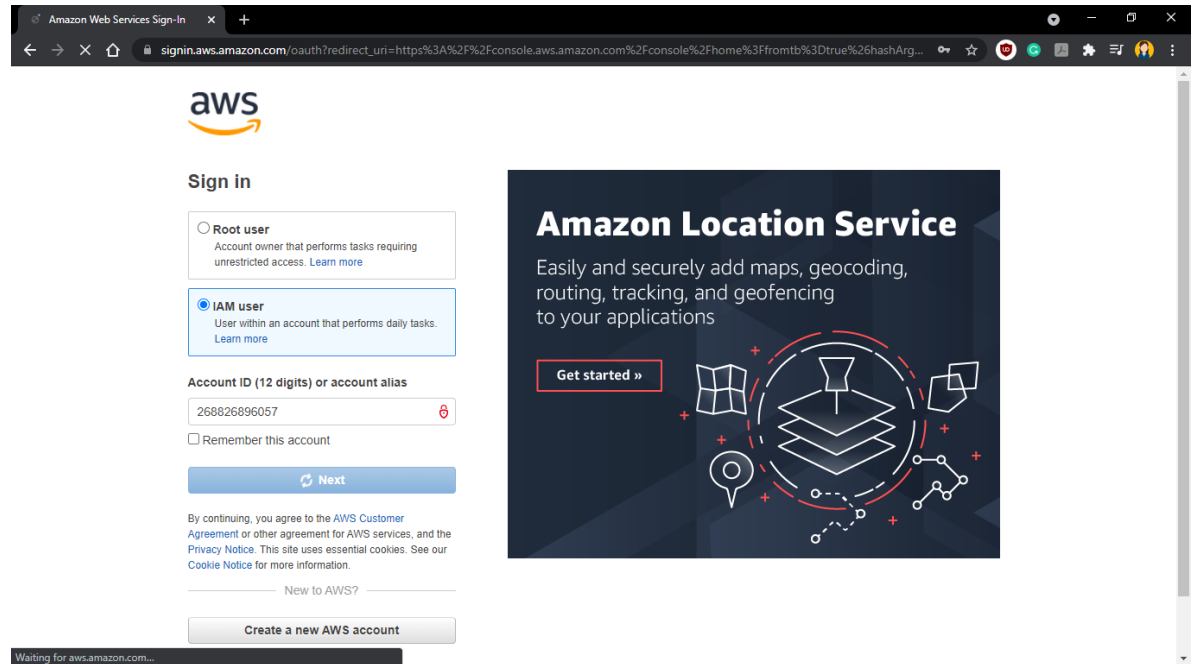
- Permission of S3 Full Access

The screenshot shows the AWS IAM Management Console interface. The left sidebar contains navigation links for Identity and Access Management (IAM), Access management, Access reports, and Credential report. The main content area displays the details for the 'usergroupassignment' user group. The 'Permissions' tab is active, showing a list of one policy: AmazonS3FullAccess, which provides full access to all buckets via the AWS Management Console.

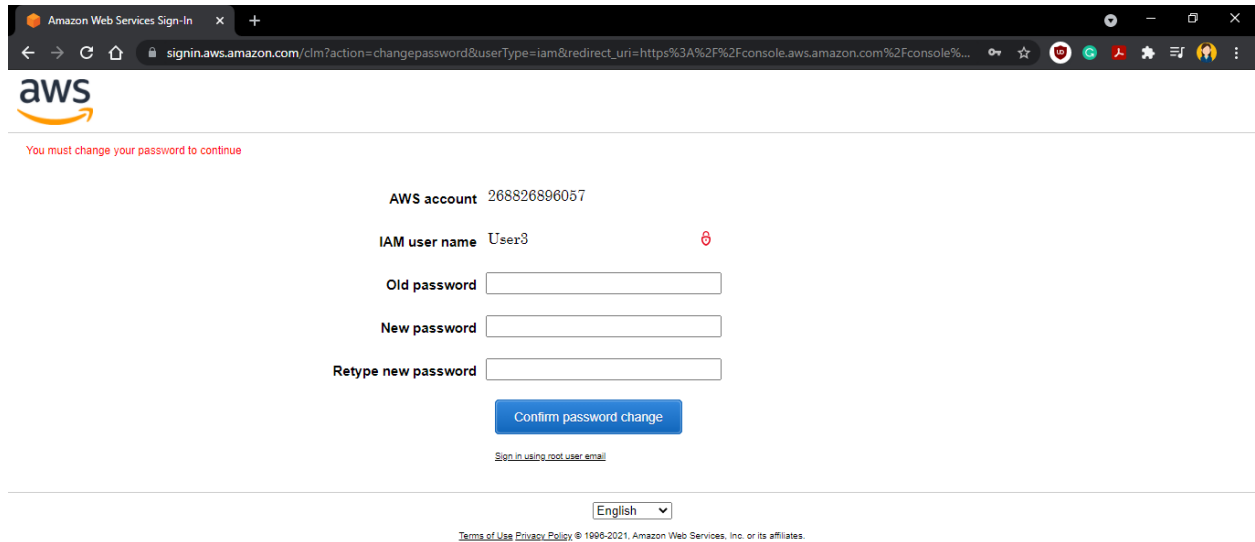
<input type="checkbox"/>	Policy Name	Type	Description
<input type="checkbox"/>	AmazonS3FullAccess	AWS managed	Provides full access to all buckets via the AWS Management Console.

## C. Log in as the IAM user.

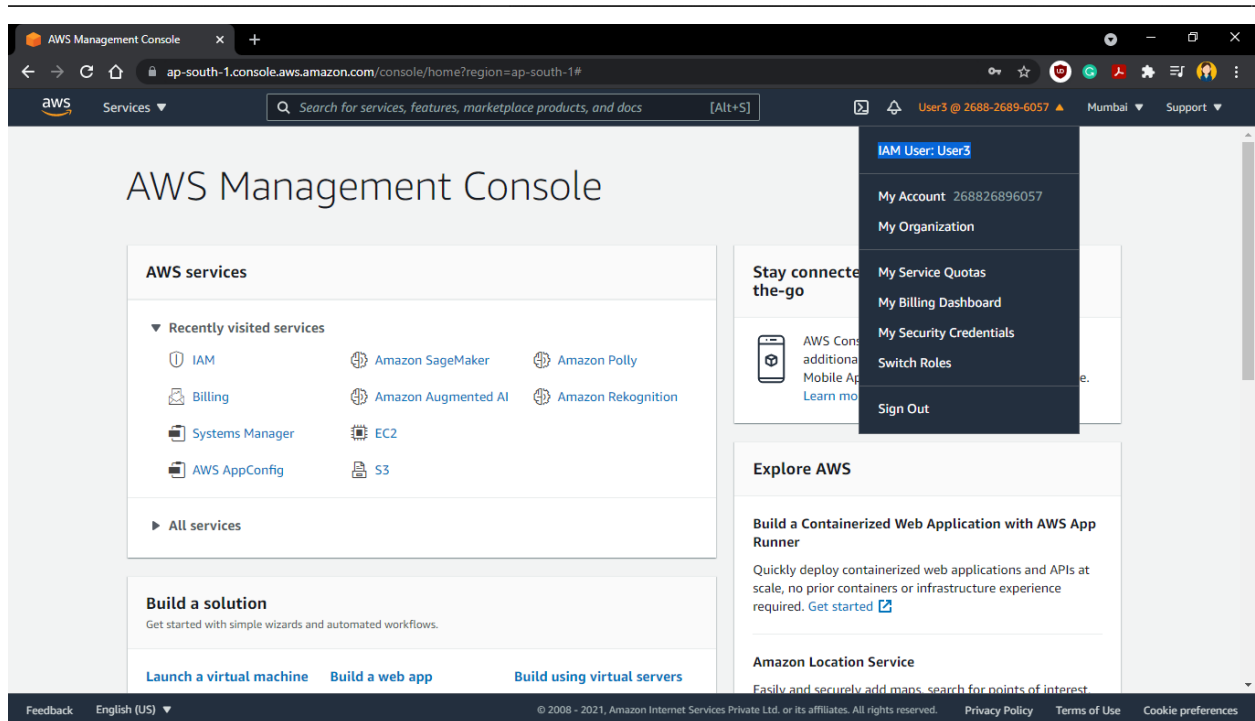
- Logged in using User3



- Change password

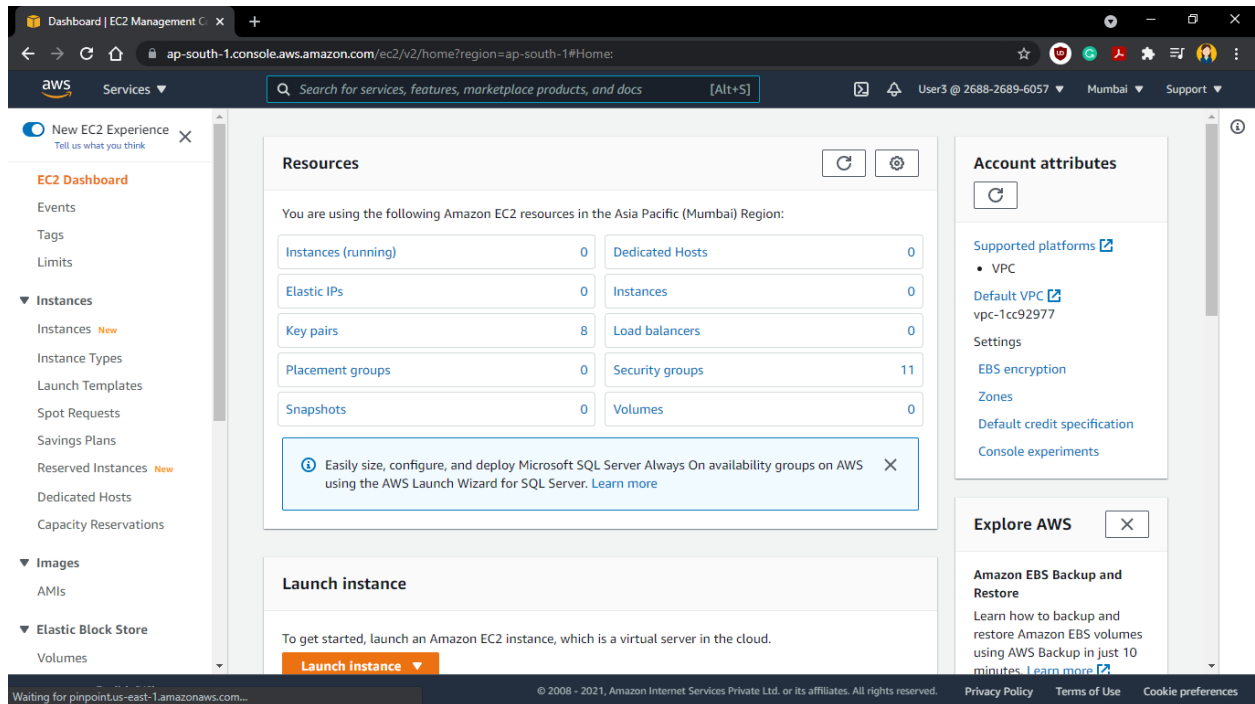


The screenshot shows the 'Amazon Web Services Sign-In' page. At the top, there's a message: 'You must change your password to continue'. Below this, the 'AWS account' is listed as '268826896057'. The 'IAM user name' is 'User3'. There are three input fields: 'Old password', 'New password', and 'Retype new password'. A blue button labeled 'Confirm password change' is below the input fields. A link 'Sign in using root user email' is at the bottom. The language is set to 'English'.



D. Show that the user permission and the group permissions are applied.

- EC2 access due to user permission



The screenshot shows the AWS Management Console for the EC2 service in the Asia Pacific (Mumbai) region. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, Instances, Images, and Elastic Block Store. The main content area displays a 'Resources' section with a table of EC2 resources. Below this is a 'Launch instance' section with a 'Launch instance' button. The right sidebar shows 'Account attributes' and 'Explore AWS' sections.

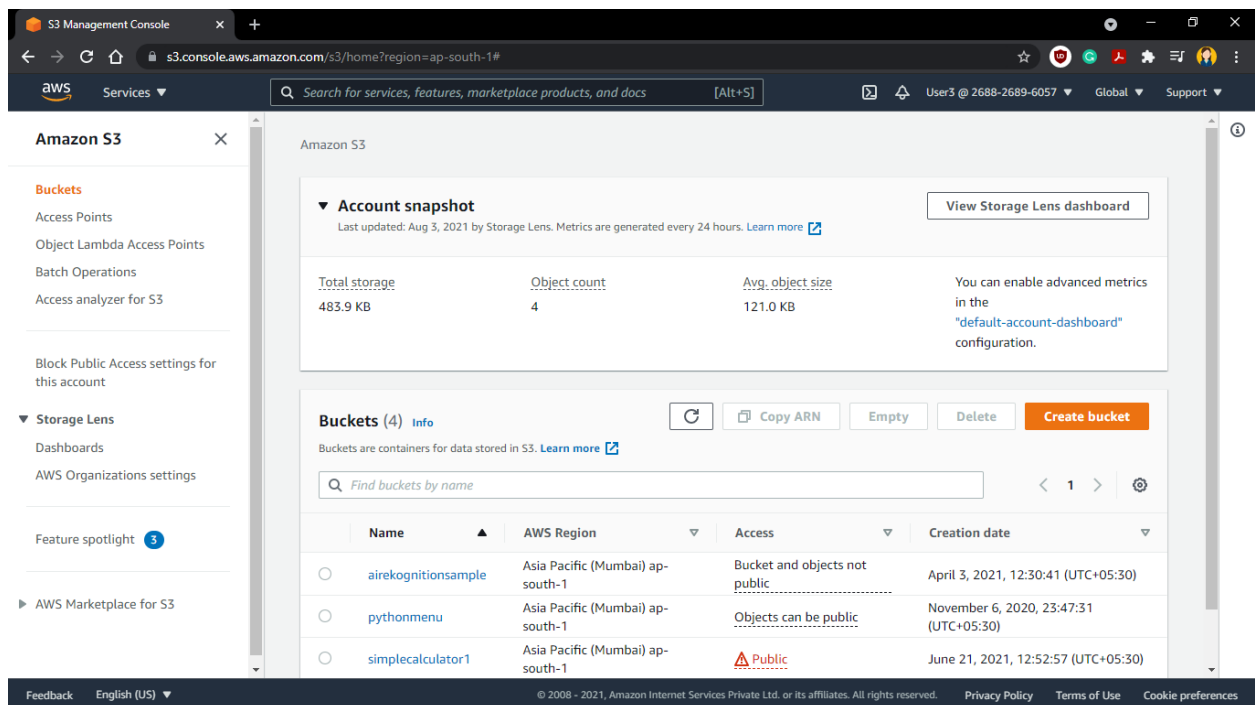
Resources	
Instances (running)	0
Elastic IPs	0
Key pairs	8
Placement groups	0
Snapshots	0
Dedicated Hosts	0
Instances	0
Load balancers	0
Security groups	11
Volumes	0

**Launch instance**

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

[Launch instance](#)

- S3 Access due to group permission



The screenshot shows the AWS Management Console for the S3 service. The left sidebar contains navigation links for Amazon S3, Buckets, Access Points, Object Lambda Access Points, Batch Operations, Access analyzer for S3, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area displays an 'Account snapshot' section with a table of S3 account metrics. Below this is a 'Buckets (4)' section with a table of S3 buckets.

Account snapshot			
Total storage	Object count	Avg. object size	
483.9 KB	4	121.0 KB	

**Buckets (4)**

Name	AWS Region	Access	Creation date
airekognitionsample	Asia Pacific (Mumbai) ap-south-1	Bucket and objects not public	April 3, 2021, 12:30:41 (UTC+05:30)
pythonmenu	Asia Pacific (Mumbai) ap-south-1	Objects can be public	November 6, 2020, 23:47:31 (UTC+05:30)
simplecalculator1	Asia Pacific (Mumbai) ap-south-1	Public	June 21, 2021, 12:52:57 (UTC+05:30)

- No IAM permission

The screenshot shows the AWS IAM Management Console interface. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Access reports, and Credential report. The main content area is titled 'IAM dashboard' and displays two error messages: 'User: am:aws:iam::268826896057:user/User3 is not authorized to perform: iam:GetAccountSummary on resource: \*' and 'User: am:aws:iam::268826896057:user/User3 is not authorized to perform: iam:ListAccountAliases on resource: \*'. Below these errors, the 'IAM resources' section shows similar error messages. The 'Best practices' section lists several recommendations, including granting least privilege access, using AWS Organizations, enabling Identity federation, enabling MFA, and rotating credentials. The right sidebar contains 'Additional information' links like IAM documentation and Videos, 'Tools' like Web identity federation playground and Policy simulator, 'Quick links' like My access key, and 'Related services' like AWS Organizations and AWS Single Sign-on (SSO). The footer includes a feedback link, language selection (English (US)), copyright notice (© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.), and links to Privacy Policy, Terms of Use, and Cookie preferences.

E. Check which policy gives access to IAM.

Answer: IAMFullAccess Policy

THANK YOU!!