

LET'S UPGRADE DAY-1 ASSIGNMENT

NIKITH KUMAR SEEMAKURTHI
seemakurthi02@gmail.com

Working With IAM

1.) Create a Three Users

The screenshot shows the AWS IAM console interface. On the left is a navigation menu with options like Dashboard, Access management, Users, Roles, Policies, Identity providers, Account settings, Access reports, and Access analyzer. The main content area is titled 'Summary' and displays details for a user with the ARN 'arn:aws:iam::655079760537:user/Lets_Upgrade_User1'. The user's path is '/' and the creation time is '2021-08-02 21:56 UTC+0530'. Below this, there are tabs for Permissions, Groups, Tags, Security credentials, and Access Advisor. The 'Permissions' tab is active, showing 'Permissions policies (2 policies applied)'. There are buttons for 'Add permissions' and 'Add inline policy'. A table lists the attached policies:

Policy name	Policy type
AmazonS3FullAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy

Below the table, it indicates 'Permissions boundary (not set)' and a link to 'Generate policy based on CloudTrail events'.

This screenshot shows the AWS IAM console for a second user, 'Lets_Upgrade_User2', with the ARN 'arn:aws:iam::655079760537:user/Lets_Upgrade_User2'. The creation time is '2021-08-02 21:58 UTC+0530'. The 'Permissions' tab is active, showing 'Permissions policies (2 policies applied)'. The attached policies are:

Policy name	Policy type
AmazonEC2FullAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy

The interface also shows 'Permissions boundary (not set)' and a link to 'Generate policy based on CloudTrail events'. The footer of the console displays copyright information: '© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.' along with links for Privacy Policy, Terms of Use, and Cookie preferences.

Identity and Access Management (IAM)

Summary

User ARN: am:aws:iam::655079760537:user/Lets_Upgrade_User3

Path: /

Creation time: 2021-08-02 22:00 UTC+0530

Permissions | Groups | Tags | Security credentials | Access Advisor

Permissions policies (2 policies applied)

Add permissions Add inline policy

Policy name	Policy type
Attached directly	
IAMFullAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy
Permissions boundary (not set)	
Generate policy based on CloudTrail events	

2.)Create a Group

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 (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)), Feedback, and English (US). The main content area displays the details for the 'Lets_Upgrade' user group. The 'Summary' section shows the user group name 'Lets_Upgrade', creation time 'August 02, 2021, 22:02 (UTC+05:30)', and ARN 'arn:aws:iam::655079760537:group/Lets_Upgrade'. Below this, the 'Users' tab is active, showing 'Users in this group (3)'. A search bar and pagination controls are present. A table lists the users:

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	Lets_Upgrade_User1	1	None	7 minutes ago
<input type="checkbox"/>	Lets_Upgrade_User3	1	None	3 minutes ago

The bottom of the screen shows the Windows taskbar with the search bar and system tray.

3.)Three Users are Connected to the Group

This screenshot shows the same AWS IAM Management Console interface as the first one, but now the 'Users in this group' count is 3. The table of users has been updated to include a third user:

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	Lets_Upgrade_User1	1	None	7 minutes ago
<input type="checkbox"/>	Lets_Upgrade_User3	1	None	3 minutes ago
<input type="checkbox"/>	Lets_Upgrade_User2	1	None	5 minutes ago

The rest of the interface, including the sidebar and summary section, remains the same.

4.) Set Users Permissions

A.

The screenshot shows the AWS IAM console for user `Lets_Upgrade_User1`. The user's ARN is `arn:aws:iam::655079760537:user:Lets_Upgrade_User1`, and it was created on 2021-08-02 at 21:56 UTC+0530. The **Permissions** tab is selected, showing 3 policies applied:

- Attached directly:**
 - `AmazonS3FullAccess` (AWS managed policy)
 - `IAMUserChangePassword` (AWS managed policy)
- Attached from group:**
 - `AmazonMQApiFullAccess` (AWS managed policy from group `Lets_Upgrade`)

The **Permissions boundary** is not set.

B.

The screenshot shows the AWS IAM console for user `Lets_Upgrade_User2`. The user's ARN is `arn:aws:iam::655079760537:user:Lets_Upgrade_User2`, and it was created on 2021-08-02 at 21:58 UTC+0530. The **Permissions** tab is selected, showing 3 policies applied:

- Attached directly:**
 - `AmazonEC2FullAccess` (AWS managed policy)
 - `IAMUserChangePassword` (AWS managed policy)
- Attached from group:**
 - `AmazonMQApiFullAccess` (AWS managed policy from group `Lets_Upgrade`)

C.

Identity and Access Management (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

User ARN: am.aws.iam::655079760537:user/Lets_Upgrade_User3

Path: /

Creation time: 2021-08-02 22:00 UTC+0530

Permissions

Permissions policies (3 policies applied)

Add permissions

Add inline policy

Policy name	Policy type
Attached directly	
IAMFullAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy
Attached from group	
AmazonMQApiFullAccess	AWS managed policy from group Lets_Upgrade
Permissions boundary (not set)	

Feedback English (US)

© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use Cookie preferences

Type here to search

32°C 10:36 PM 8/2/2021

5.)Unique Group permission

Identity and Access Management (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)

Lets_Upgrade

Summary

User group name: Lets_Upgrade

Creation time: August 02, 2021, 22:02 (UTC+05:30)

ARN: am.aws.iam::655079760537:group/Lets_Upgrade

Users Permissions Access advisor

Permissions policies (1) Info

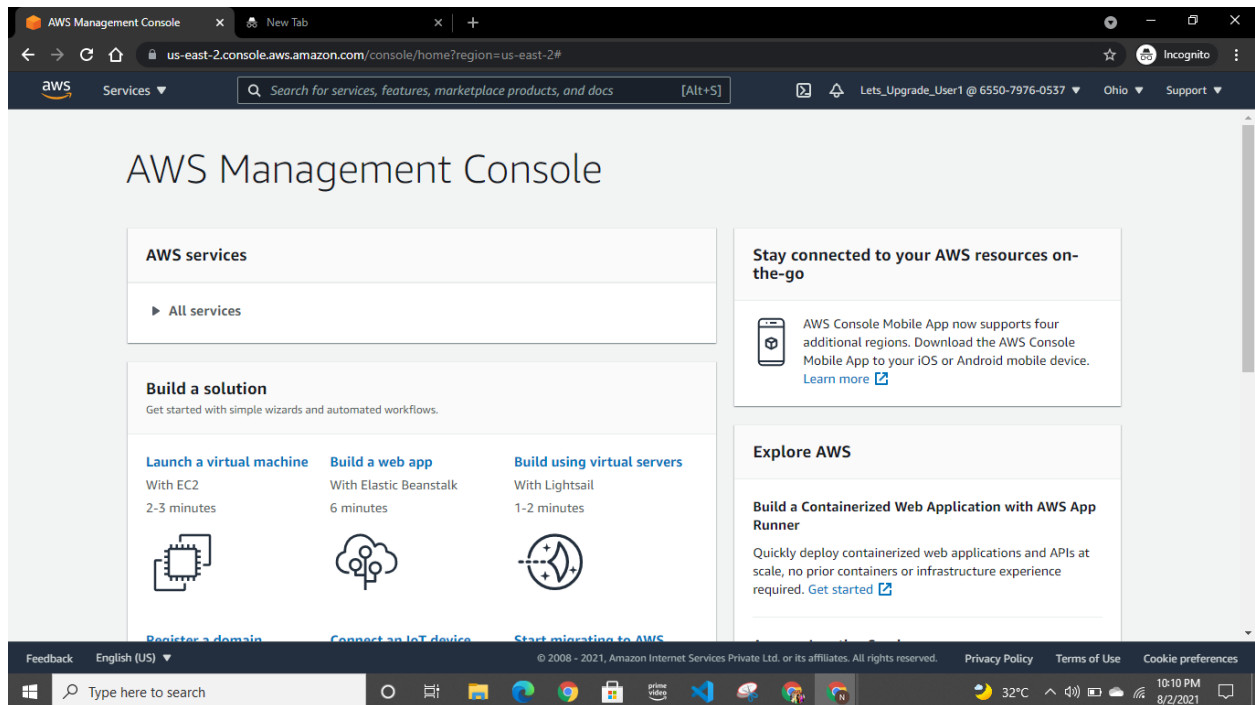
You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter

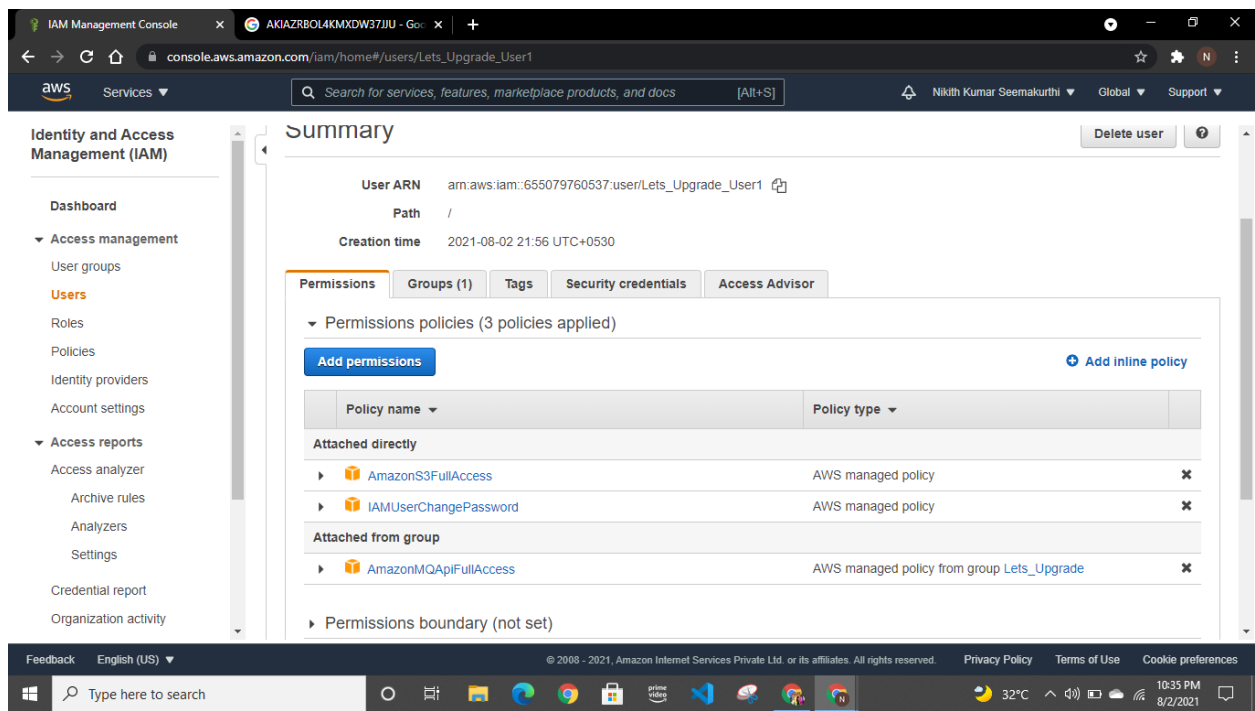
Policy Name	Type	Description
AmazonMQApiFullAccess	AWS managed	Provides full access to AmazonMQ via our API/SDK.

10:04 PM 8/2/2021

6.) Login Into IAM User Account



7.) Users Permissions and Group Permissions



The screenshot displays the Amazon S3 Management Console in a web browser. The left sidebar contains navigation options: Buckets, Access Points, Object Lambda Access Points, Batch Operations, Access analyzer for S3, Block Public Access settings for this account, Storage Lens (Dashboards, AWS Organizations settings), Feature spotlight, and AWS Marketplace for S3. The main content area shows the 'Account snapshot' with a 'View Storage Lens dashboard' button. Below this, the 'Buckets (1)' section is active, showing a table with one bucket: 'coursera-building-modern-apps-dragon-data' in the 'Asia Pacific (Mumbai) ap-south-1' region, with public access and a creation date of May 8, 2021, 12:26:34 (UTC+05:30). The bottom of the browser shows the Windows taskbar with various application icons and the system clock at 10:11 PM on 8/2/2021.

Amazon S3

Account snapshot
Last updated: Aug 1, 2021 by Storage Lens. Metrics are generated every 24 hours. [Learn more](#)

Buckets (1) Info
Buckets are containers for data stored in S3. [Learn more](#)

Name	AWS Region	Access	Creation date
coursera-building-modern-apps-dragon-data	Asia Pacific (Mumbai) ap-south-1	Objects can be public	May 8, 2021, 12:26:34 (UTC+05:30)

8.) Check IAM User Policies

The screenshot shows the IAM Management Console. The left sidebar lists navigation options: 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)), and a search bar. The main content area displays 'Policies (1/833)' with a 'Create Policy' button. A search filter '*api*' is applied, showing 11 matches. A table lists several AWS managed policies, including 'AmazonMQApiFullAccess', 'AmazonAPIGatewayInvokeFullAccess', 'AmazonAPIGatewayPushToCloudWatchLogs', 'AmazonMQApiReadOnlyAccess', 'AWSDataPipeline_PowerUser', 'AWSDataPipeline_FullAccess', 'AmazonEC2RoleforDataPipelineRole', and 'AmazonAPIGatewayAdministrator'. The bottom of the browser shows the Windows taskbar with the system clock at 10:16 PM on 8/2/2021.

Identity and Access Management (IAM)

Policies (1/833) Info
A policy is an object in AWS that defines permissions.

Filter policies by property or policy name and press enter 11 matches

Policy Name	Type	Used as	Description
AmazonMQApiFullAccess	AWS managed	Permissions policy (1)	Provides full acc
AmazonAPIGatewayInvokeFullAccess	AWS managed	None	Provides full acc
AmazonAPIGatewayPushToCloudWatchLogs	AWS managed	None	Allows API Gate
AmazonMQApiReadOnlyAccess	AWS managed	None	Provides read or
AWSDataPipeline_PowerUser	AWS managed	None	Provides full acc
AWSDataPipeline_FullAccess	AWS managed	None	Provides full acc
AmazonEC2RoleforDataPipelineRole	AWS managed	None	Default policy fo
AmazonAPIGatewayAdministrator	AWS managed	None	Provides full acc