

# 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 sections: Identity and Access Management (IAM), Dashboard, Access management (containing User groups, Users, Roles, Policies, Identity providers, and Account settings), Access reports (containing Access analyzer, Archive rules, Analyzers, and Settings), Credential report, and Organization activity. The main content area is titled 'Summary' and displays details for the user 'arn:aws:iam::655079760537:user/Lets\_Upgrade\_User1'. It shows the Path as '/', Creation time as '2021-08-02 21:56 UTC+0530', and tabs for Permissions, Groups, Tags, Security credentials, and Access Advisor. Under the 'Permissions' tab, it lists 'Permissions policies (2 policies applied)' with buttons for 'Add permissions' and 'Add inline policy'. A table shows two attached policies: 'AmazonS3FullAccess' and 'IAMUserChangePassword', both are AWS managed policies. Below this, it indicates 'Permissions boundary (not set)' and a link to 'Generate policy based on CloudTrail events'.

This screenshot is similar to the one above, showing the 'Summary' page for a different user, 'arn:aws:iam::655079760537:user/Lets\_Upgrade\_User2'. The creation time is '2021-08-02 21:58 UTC+0530'. The 'Permissions' tab shows two attached policies: 'AmazonEC2FullAccess' and 'IAMUserChangePassword', both are AWS managed policies. The rest of the interface, including the navigation menu and footer, is identical to the previous screenshot.

aws Services Search for services, features, marketplace products, and docs [Alt+S] Nikith Kumar Seemakurthi Global Support

### Identity and Access Management (IAM)

- Dashboard
- Access management
  - User groups
  - Users**
  - Roles
  - Policies
  - Identity providers
  - Account settings
- Access reports
  - Access analyzer
  - Archive rules
  - Analizers
  - Settings
  - Credential report
  - Organization activity

## 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	
<a href="#">IAMFullAccess</a>	AWS managed policy ✕
<a href="#">IAMUserChangePassword</a>	AWS managed policy ✕
Permissions boundary (not set)	
Generate policy based on CloudTrail events	

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

## 2.) Create a Group

aws Services Search for services, features, marketplace products, and docs [Alt+S] Nikith Kumar Seemakurthi Global Support

### Identity and Access Management (IAM)

- Dashboard
- Access management
  - User groups**
  - Users
  - Roles
  - Policies
  - Identity providers
  - Account settings
- Access reports
  - Access analyzer
  - Archive rules
  - Analizers
  - Settings
  - Credential report
  - Organization activity

## 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**

**Users in this group (3)** [Info](#)

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

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

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

### 3.) Three Users are Connected to the Group

The screenshot shows the AWS IAM console interface. On the left, the 'Identity and Access Management (IAM)' sidebar is visible with options like Dashboard, Access management, and Access reports. The main content area shows the 'Users' tab for the 'Lets\_Upgrade' group. At the top, the group's details are displayed: 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, there are tabs for 'Users', 'Permissions', and 'Access advisor'. The 'Users' tab is active, showing a list of users in the group. The list has columns for checkboxes, User name, Groups, Last activity, and Creation time. Three users are listed: Lets\_Upgrade\_User1 (created 7 minutes ago), Lets\_Upgrade\_User3 (created 3 minutes ago), and Lets\_Upgrade\_User2 (created 5 minutes ago). Buttons for 'Remove users' and 'Add users' are present.

	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

### 4.) Set Users Permissions

A.

The screenshot shows the AWS IAM console interface for a specific user. The left sidebar is the same as in the previous screenshot. The main content area is titled 'Summary' and shows details for the user 'arn:aws:iam::655079760537:user/Lets\_Upgrade\_User1'. Below the summary, there are tabs for 'Permissions', 'Groups (1)', 'Tags', 'Security credentials', and 'Access Advisor'. The 'Permissions' tab is active, showing a list of permissions policies applied to the user. The list has columns for Policy name, Policy type, and a delete icon. Three policies are listed: AmazonS3FullAccess (AWS managed policy), IAMUserChangePassword (AWS managed policy), and AmazonMQApiFullAccess (AWS managed policy from group Lets\_Upgrade). Buttons for 'Add permissions' and 'Add inline policy' are present.

Policy name	Policy type
AmazonS3FullAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy
AmazonMQApiFullAccess	AWS managed policy from group Lets_Upgrade

B.

The screenshot shows the AWS IAM console interface. The left sidebar contains the 'Identity and Access Management (IAM)' menu with options like Dashboard, Access management, Users, Roles, Policies, Identity providers, Account settings, Access reports, Access analyzer, Archive rules, Analyzers, Settings, Credential report, and Organization activity. The main content area is titled 'Summary' and displays details for the user 'Lets\_Upgrade\_User2'. The user's ARN is 'arn:aws:iam::655079760537:user/Lets\_Upgrade\_User2', the path is '/', and the creation time is '2021-08-02 21:58 UTC+0530'. Below this, there are tabs for 'Permissions', 'Groups (1)', 'Tags', 'Security credentials', and 'Access Advisor'. The 'Permissions' tab is active, showing 'Permissions policies (3 policies applied)'. There are buttons for 'Add permissions' and 'Add inline policy'. A table lists the attached policies:

Policy name	Policy type
<strong>Attached directly</strong>	
AmazonEC2FullAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy
<strong>Attached from group</strong>	
AmazonMQApiFullAccess	AWS managed policy from group Lets_Upgrade

The footer of the console shows 'Feedback', 'English (US)', and copyright information for 2008-2021.

C.

The screenshot shows the AWS IAM console interface for the user 'Lets\_Upgrade\_User3'. The user's ARN is 'arn:aws:iam::655079760537:user/Lets\_Upgrade\_User3', the path is '/', and the creation time is '2021-08-02 22:00 UTC+0530'. The 'Permissions' tab is active, showing 'Permissions policies (3 policies applied)'. There are buttons for 'Add permissions' and 'Add inline policy'. A table lists the attached policies:

Policy name	Policy type
<strong>Attached directly</strong>	
IAMFullAccess	AWS managed policy
IAMUserChangePassword	AWS managed policy
<strong>Attached from group</strong>	
AmazonMQApiFullAccess	AWS managed policy from group Lets_Upgrade

Below the table, it states 'Permissions boundary (not set)'. The footer of the console shows 'Feedback', 'English (US)', and copyright information for 2008-2021.

## 5.) Unique Group permission

The screenshot shows the AWS IAM console interface. On the left, the 'Identity and Access Management (IAM)' menu is expanded, showing 'Access management' with 'User groups' selected. The main content area displays the 'Lets\_Upgrade' user group details. 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'. The 'Permissions' tab is active, showing 'Permissions policies (1)' with a table listing 'AmazonMQApiFullAccess' as an AWS managed policy. The table has columns for 'Policy Name', 'Type', and 'Description'. The description for 'AmazonMQApiFullAccess' is 'Provides full access to AmazonMQ via our API/SDK'. The bottom of the page shows the URL 'https://console.aws.amazon.com/iamv2/home#groups/details/Lets\_Upgrade?section=permissions' and copyright information '© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.'

## 6.) Login Into IAM User Account

The screenshot shows the AWS Management Console home page. The top navigation bar includes the AWS logo, 'Services', a search bar, and the user 'Lets\_Upgrade\_User1 @ 6550-7976-0537' with a dropdown menu. The main content area is titled 'AWS Management Console' and features several sections: 'AWS services' with a link to 'All services', 'Build a solution' with three options: 'Launch a virtual machine' (With EC2, 2-3 minutes), 'Build a web app' (With Elastic Beanstalk, 6 minutes), and 'Build using virtual servers' (With Lightsail, 1-2 minutes), and 'Explore AWS' with a link to 'Build a Containerized Web Application with AWS App Runner'. The bottom of the page shows the URL 'https://console.aws.amazon.com/home?region=us-east-1' and copyright information '© 2008 - 2021, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.'

## 7.) Users Permissions and Group Permissions

The screenshot shows the Amazon S3 console interface. On the left, there is a navigation pane with options like 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 the 'Account snapshot' with metrics: Total storage (112.6 KB), Object count (56), and Avg. object size (2.0 KB). Below this, the 'Buckets (1)' section shows a table with one bucket named 'coursera-building-modern-apps-dragon-data' in the Asia Pacific (Mumbai) ap-south-1 region, with public access enabled and created on May 8, 2021.

Name	AWS Region	Access	Creation date
<a href="#">coursera-building-modern-apps-dragon-data</a>	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 AWS IAM console interface. On the left, there is a navigation pane 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), and Service control policies (SCPs). The main content area displays the 'Policies (1/833)' section. It includes a search bar with the filter 'api' and a table listing various AWS managed policies.

Policy Name	Type	Used as	Description
<a href="#">AmazonMQApiFullAccess</a>	AWS managed	Permissions policy (1)	Provides full acc
<a href="#">AmazonAPIGatewayInvokeFullAccess</a>	AWS managed	None	Provides full acc
<a href="#">AmazonAPIGatewayPushToCloudWatchLogs</a>	AWS managed	None	Allows API Gate
<a href="#">AmazonMQApiReadOnlyAccess</a>	AWS managed	None	Provides read on
<a href="#">AWSDataPipeline_PowerUser</a>	AWS managed	None	Provides full acc
<a href="#">AWSDataPipeline_FullAccess</a>	AWS managed	None	Provides full acc
<a href="#">AmazonEC2RoleforDataPipelineRole</a>	AWS managed	None	Default policy fo
<a href="#">AmazonAPIGatewayAdministrator</a>	AWS managed	None	Provides full acc