

Lesson 07 Lesson-End Project Creating and Configuring Groups and Users Using Policies

Project agenda: To create and configure groups and users with different policies and permissions using AWS IAM

Description: The corporation's admin wants to create three groups of IAM users, each with two users and two policies assigned to them. The policies will define the permissions and roles for the users to perform their tasks in their respective groups.

Tools required: AWS

Prerequisites: None

Expected deliverables: One of the three groups must be able to operate using CLI commands

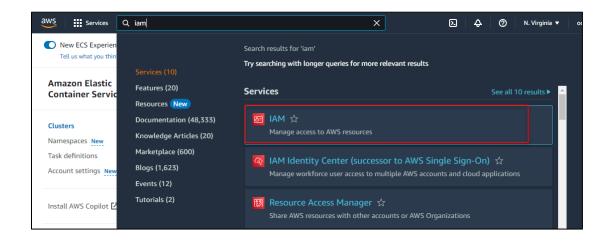
without accessing the AWS console

Steps to be followed:

- 1. Create a group
- 2. Configure the user for CLI operation

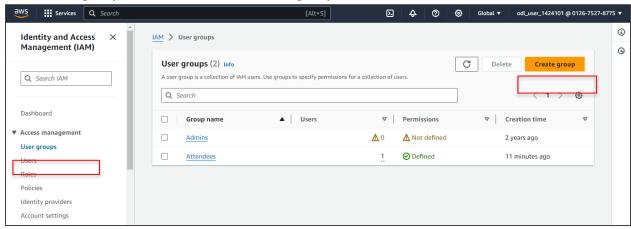
Step 1: Create a group

1.1 Navigate to the AWS Management Console, search for and select IAM

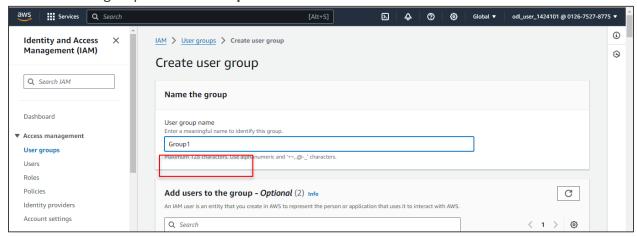




1.2 Select User groups, and then click on Create group

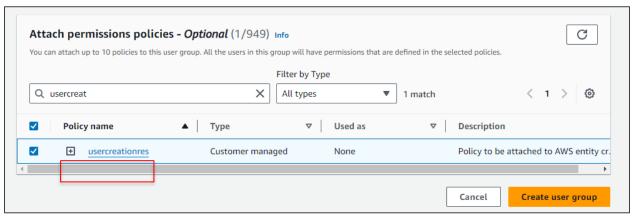


1.3 Enter the user group name as Groups1

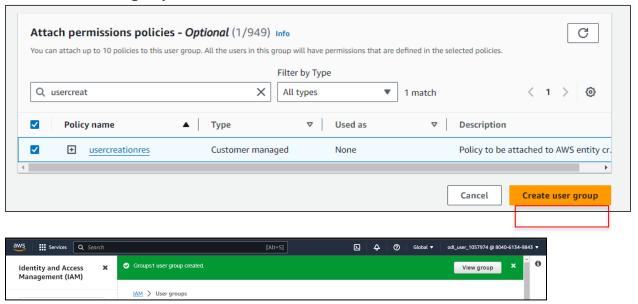




1.4 Scroll down to **Attach permissions policies** section, search for and select the policy named **usercrationres**:



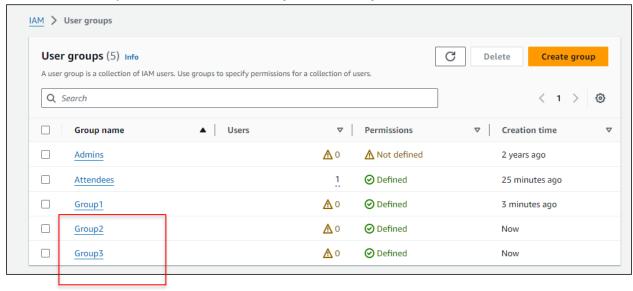
1.5 Click on the **Create group** button



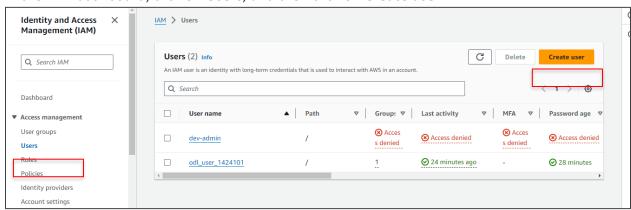
The group **Groups1** is created successfully.



1.6 Follow the same procedure to create Groups2 and Groups3

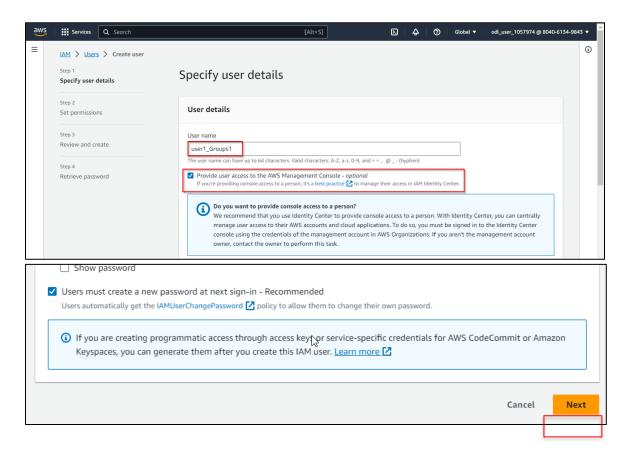


1.7 In the IAM dashboard, click on Users, and then click on Create user



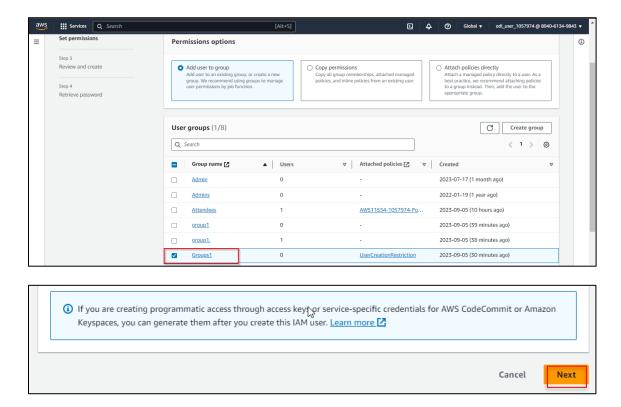


1.8 Enter the user name as **user1_Groups1**, and select the **Provide user access to the AWS Management Console** checkbox. Then click **Next**.

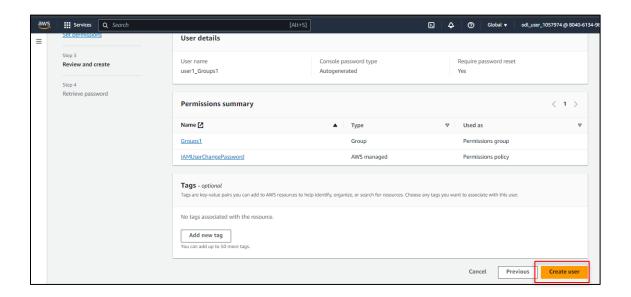




1.9 In the Add user to group section, select Groups1 and click Next

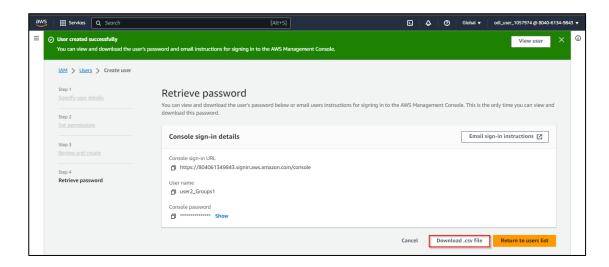


1.10 Click on the Create user button

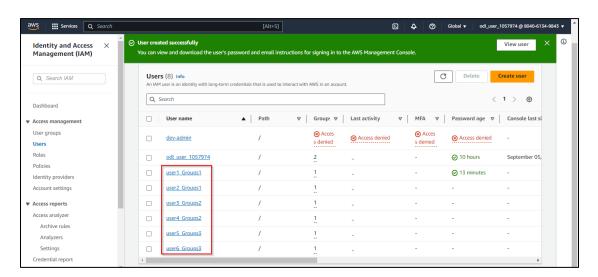




1.11 Select Download the .csv file, and then click on Close

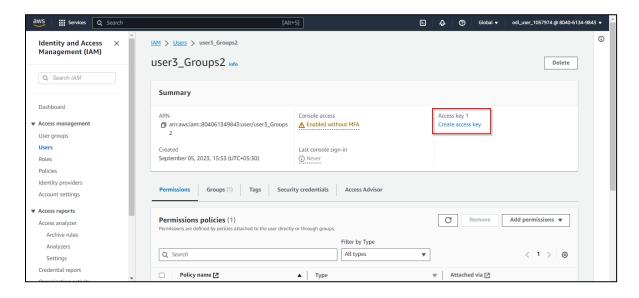


1.12 Create five more users, and assign them to their respective groups following the above procedure

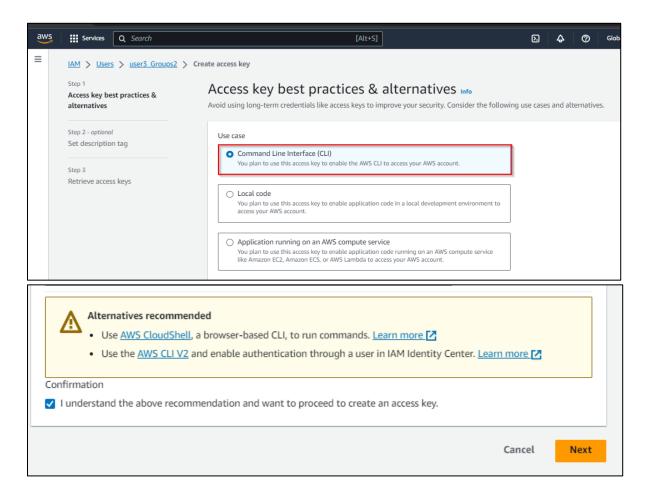




1.13 Select any user and click on Create access key

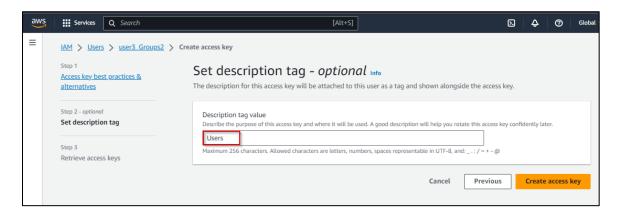


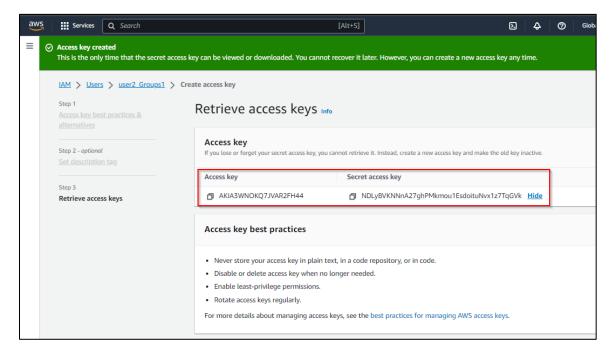
1.14 Click on Command Line Interface (CLI), and then click Next





1.15 Enter any description tag value, and click on Create access key



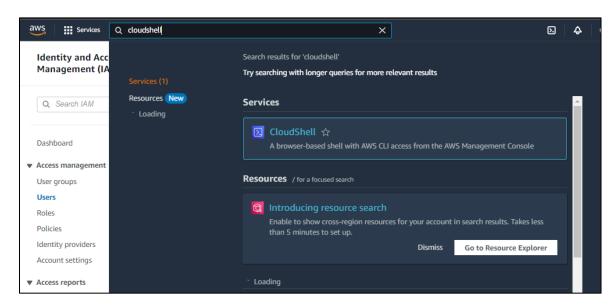


The Access key is created successfully.

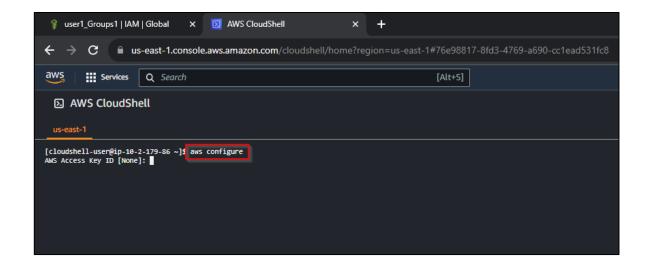


Step 2: Configure the user for CLI operation

2.1 In the AWS dashboard, search for and select CloudShell

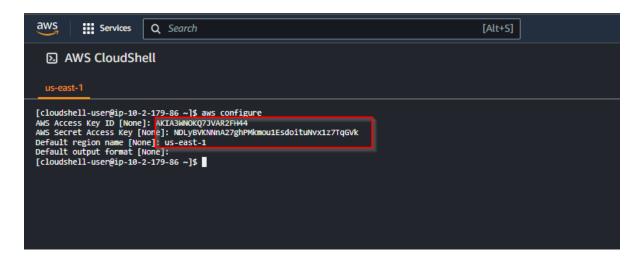


2.2 In CloudShell, enter the following command: aws configure





2.3 Open the downloaded .csv file, and copy-paste the Access Key ID and Secret Access Key into the terminal



The user is configured successfully for CLI operation.

By following these steps, you have successfully created and configured groups and users with different policies and permissions using AWS IAM.