

## Lesson 07 Demo 01

# **Creating and Adding Policies to Groups Using Users**

**Objective:** To create and add a policy to the group using a user to enable security management in various systems and applications

Tools required: AWS Management Console

Prerequisites: None

#### Steps to be followed:

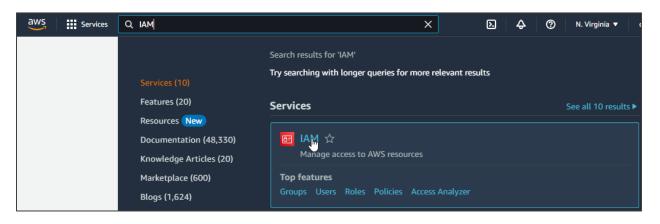
1. Create and manage policy

2. Attach policy and permissions directly to the group using group users

3. Create and manage S3 versioning

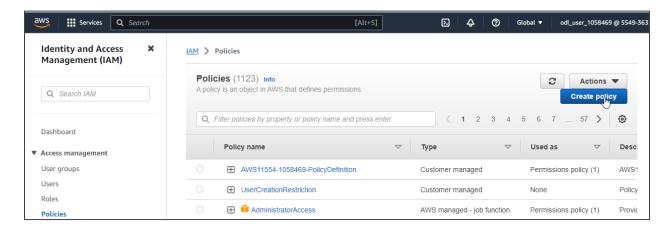
## **Step 1: Create and manage policy**

1.1 Go to your Amazon console, search for and select IAM in the search bar

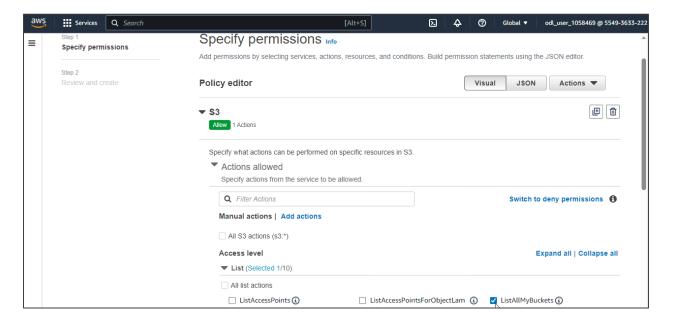




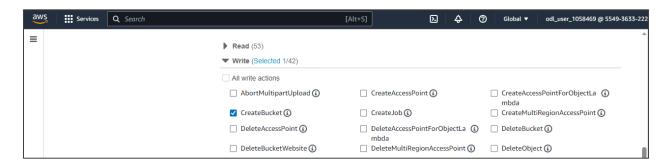
1.2 In the IAM dashboard, select Policies and click on Create policy



**1.3** In the service options, select **S3**, and then choose **ListAllMyBuckets** from the **List** section in the **Access level** 

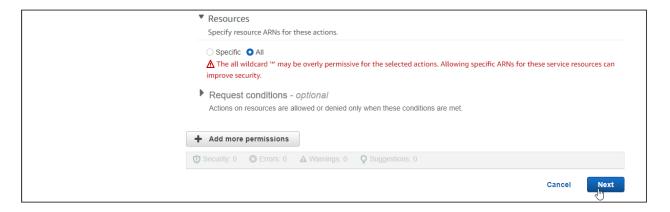


1.4 Now, choose CreateBucket from the Write section

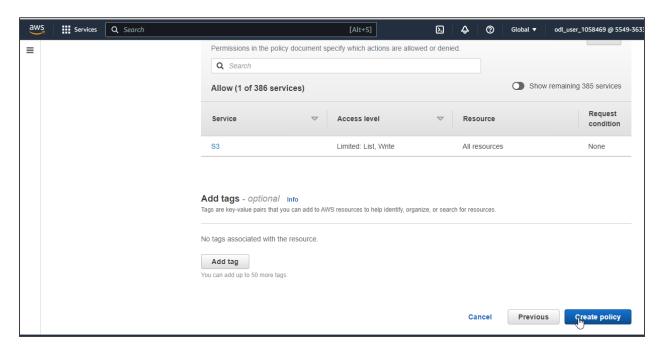




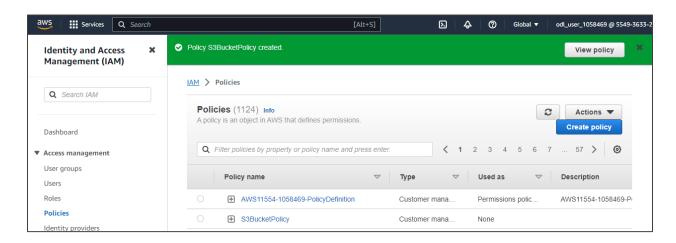
#### 1.5 In the Resources section, select All, and then click on Next



#### 1.6 Click on Create policy

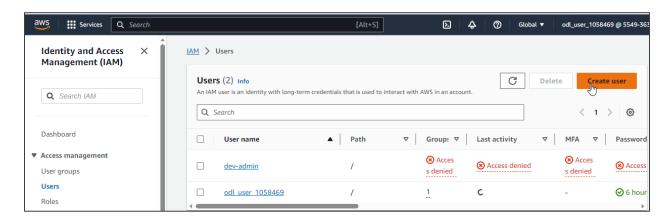






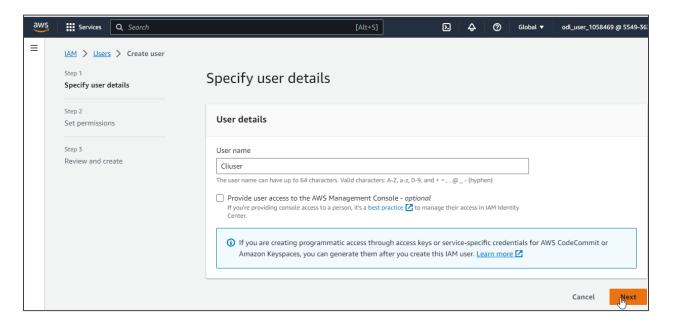
The policy is created successfully.

1.7 Navigate to the IAM dashboard, select Users, and click on Create user

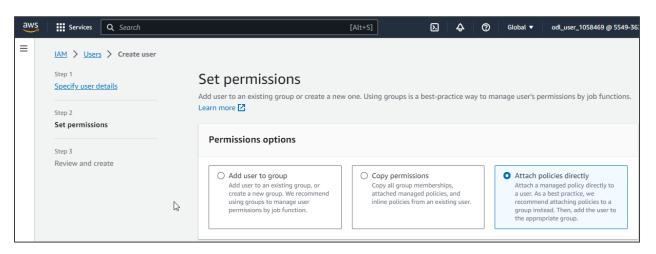




1.8 Provide a name to the user and click on Next

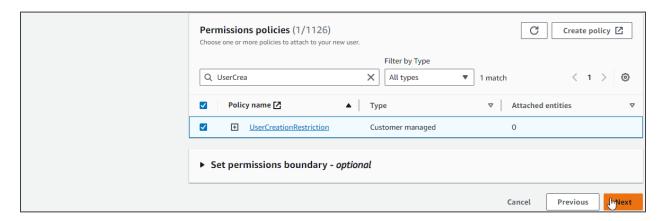


1.9 In the permissions page, select Attach policies directly

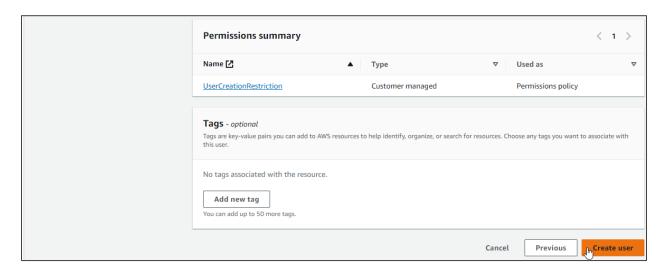


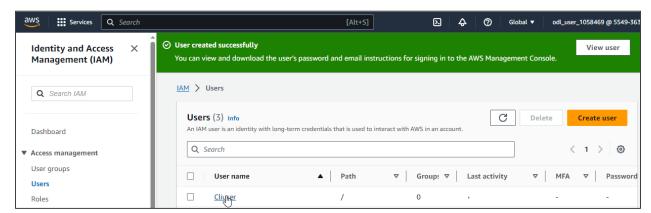


#### 1.10 Select UserCreationRestriction policy from the list and then click on Next



#### 1.11 Click on Create user





The user is created successfully.



1.12 Now, open CloudShell to configure the user



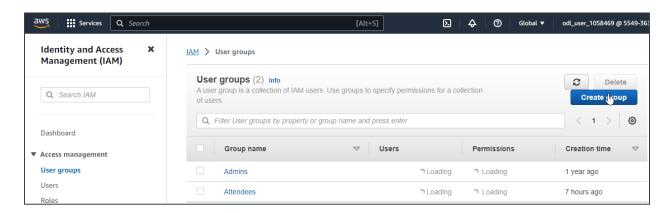
1.13 Enter the command **aws configure**, then enter the Access Key ID, and the Secret Access Key

1.14 Now, enter the command aws s3api list-buckets to view the buckets in the account



# Step 2: Attach policy and permissions directly to the group using group users

2.1 Select **User groups** and click on the **Create group** button

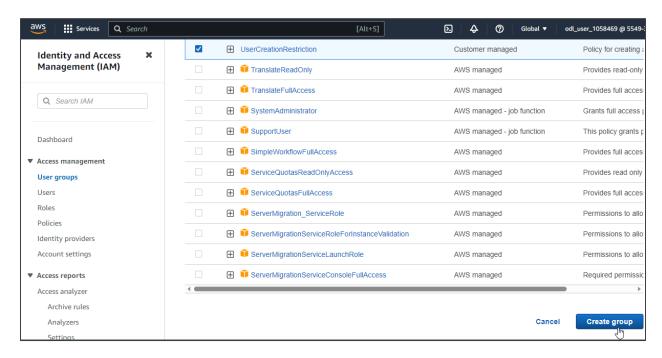


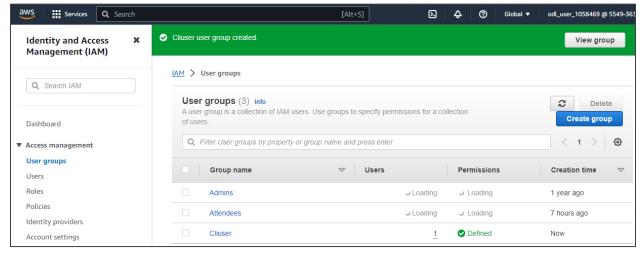
2.2 Enter Cliuser in the User group name field





2.3 In the Attach permissions policies section, search for the UserCreationRestriction policy, select it, and then click on Create group

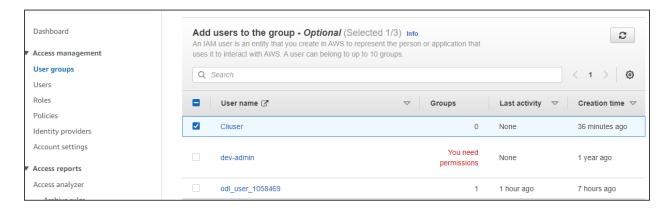




The user group is created successfully.



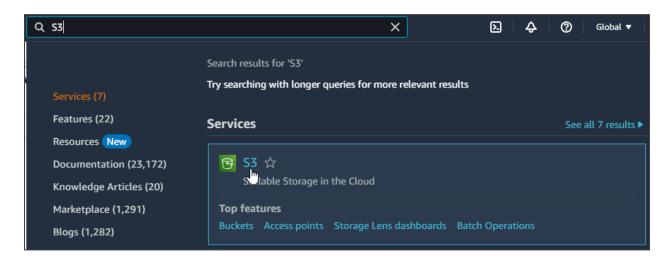
#### 2.4 Under User groups, select Cliuser and click on the Add users button



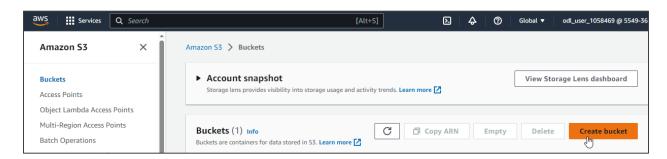
This will add the selected user to the group.

### Step 3: Create and manage S3 versioning

3.1 Search for and select \$3 from the services

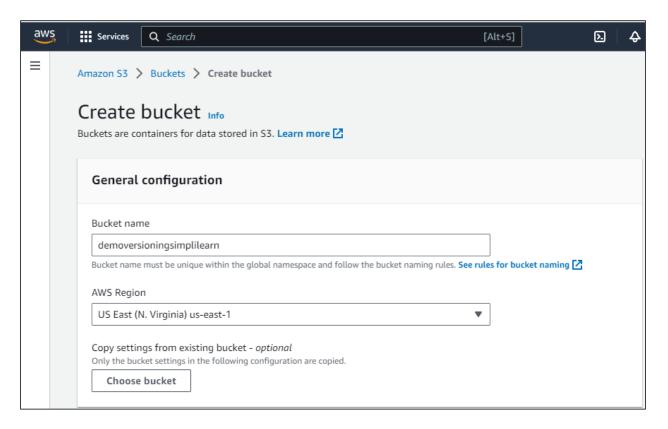


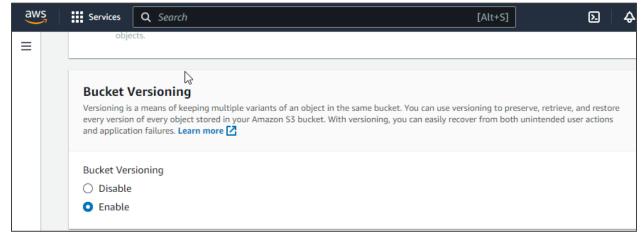
3.2 Click on the Create bucket button





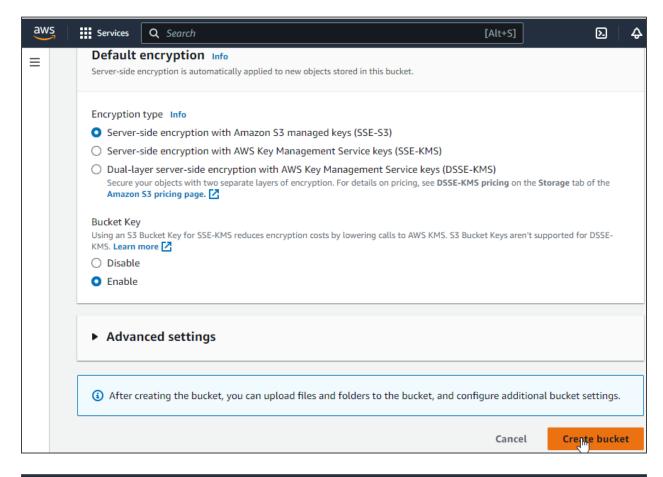
3.3 Add the bucket name, select **US East (N. Virginia) us-east-1** from the AWS Region drop-down, and click on **Enable** in the **Bucket Versioning** section

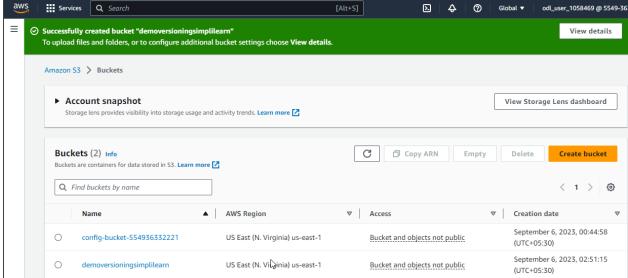






#### 3.4 Now, click on the Create bucket button

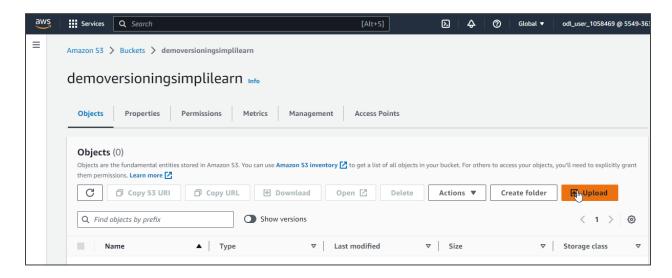




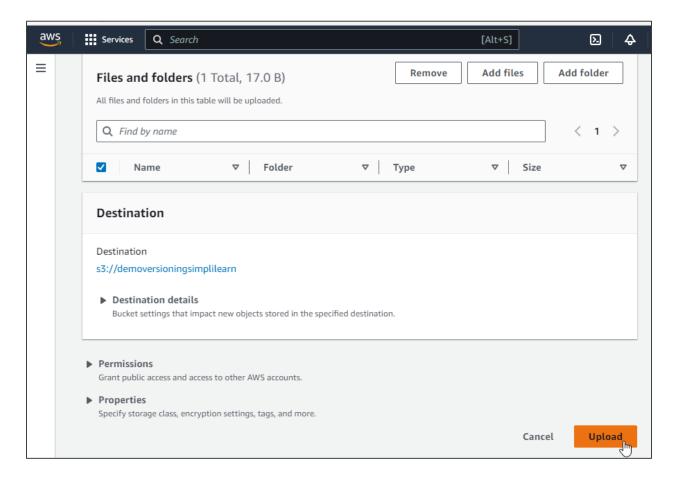
The bucket is created successfully.



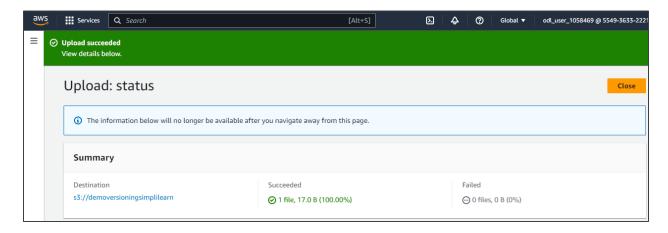
3.5 Click on the bucket that you created and in the **Objects** section, upload a simple txt file as shown below:



3.6 Click on the Upload button

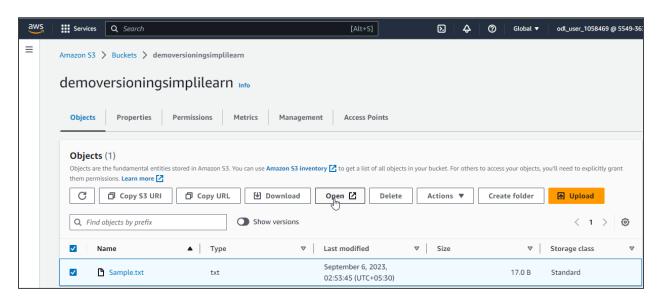




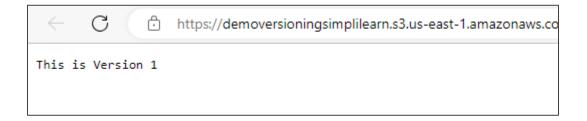


The file is uploaded successfully.

3.7 Now, select the text file and click on Open



3.8 The obtained output will be shown like this:





3.9 Now, make changes to the text file, save it, and reupload the same file. The updated output will be shown like this:

-	C	Ô	https://demoversioningsimplilearn.s3.us-east-1.amazonaws.com/Sample.t
This is Version 2			

By following these steps, you have successfully demonstrated the process of creating and adding policies to groups using a user.