

## Lesson 07 Demo 02

# **Configuring Resource-Based Policy Using Principals**

Objective: To demonstrate the process of configuring resource-based policies using

principals to enable the access to AWS resources

Tools required: AWS Management Console

Prerequisites: None

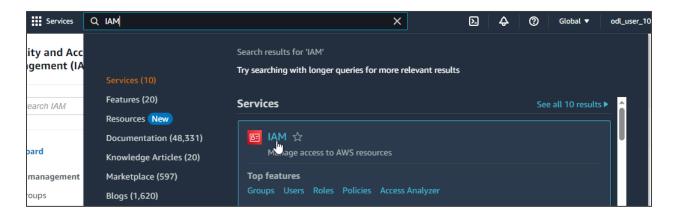
#### Steps to be followed:

1. Create users and attach policies to them

2. Generate the policy using principals

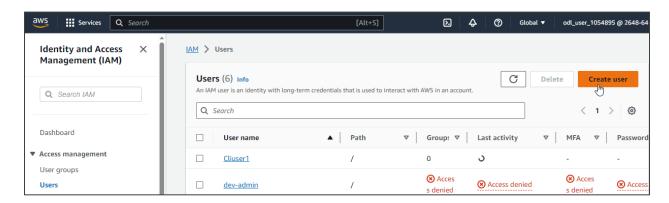
## Step 1: Create users and attach policies to them

1.1 Navigate to the AWS portal, search for and select IAM from the services

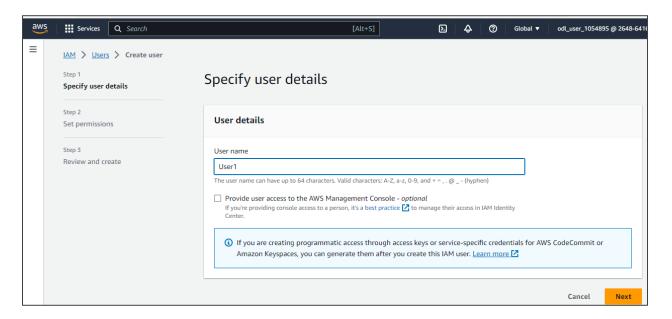




1.2 In the IAM dashboard, select Users and click on Create user

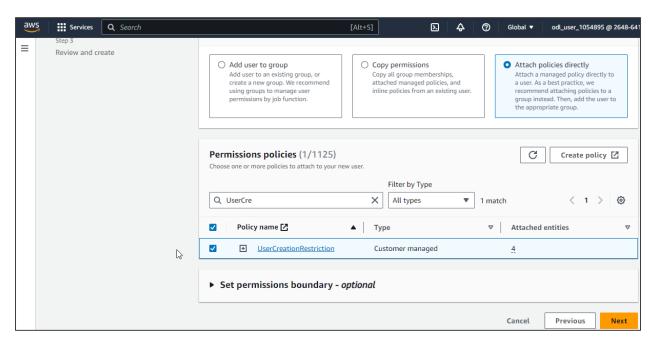


1.3 Provide a name for the user and click on Next

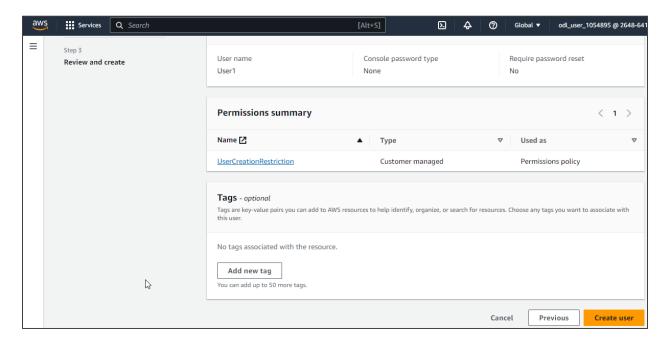




1.4 On the **Permissions** page, select **Attach policies directly**. Then, select the **UserCreationRestriction** policy and click on **Next**.



1.5 Now, click on Create user







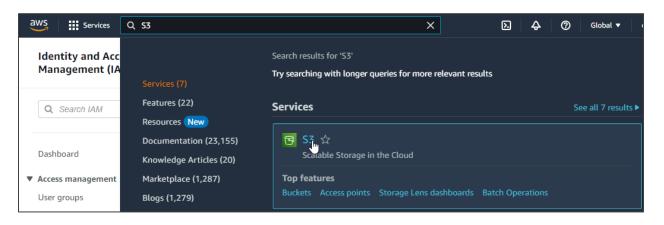
The user is created successfully.

1.6 Follow the same steps to create another user



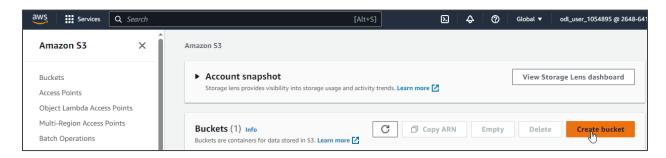
# **Step 2: Generate the policy using principals**

2.1 Now, search for and select S3 from the Services

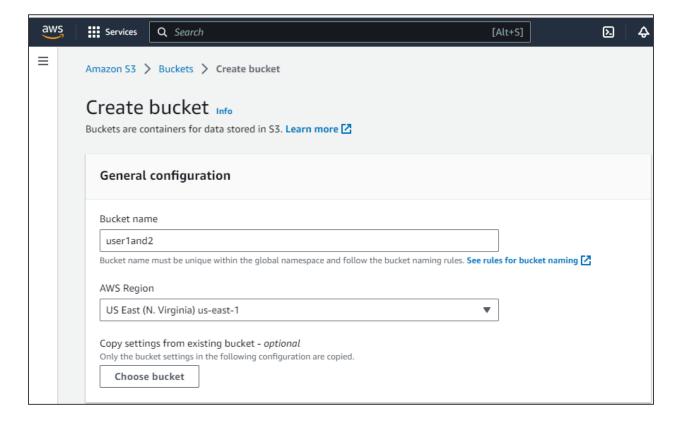




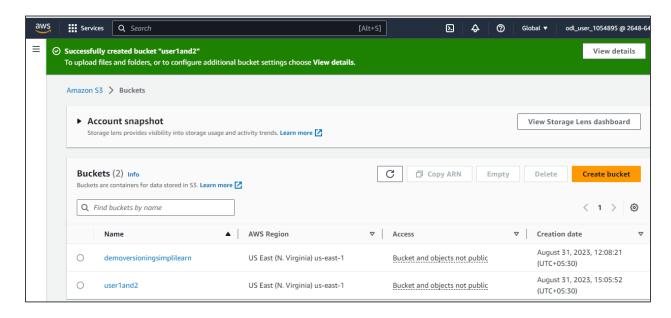
2.2 In the S3 dashboard, click on Create bucket



2.3 Provide a name for the bucket and select the AWS Region

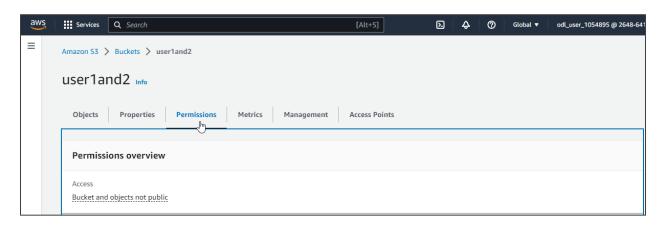






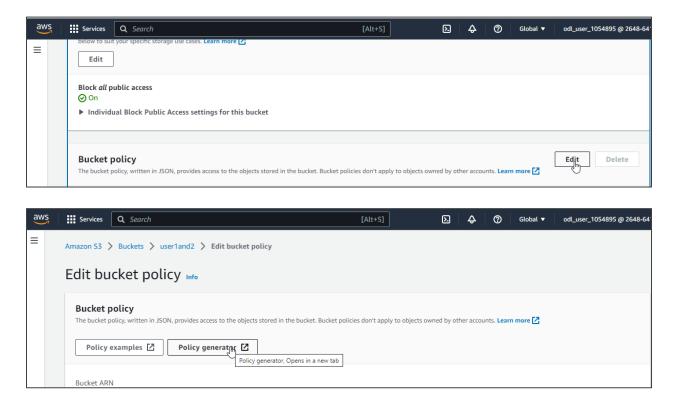
The bucket is successfully created.

2.4 Select the bucket you created and go to **Permissions** as shown here:

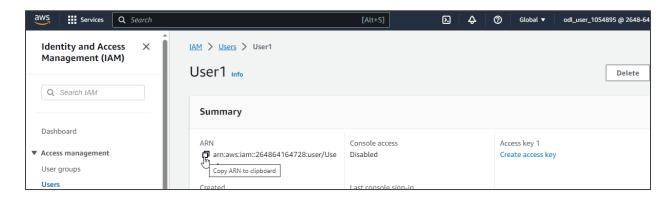




2.5 Click Edit under Bucket policy section and then click on Policy generator

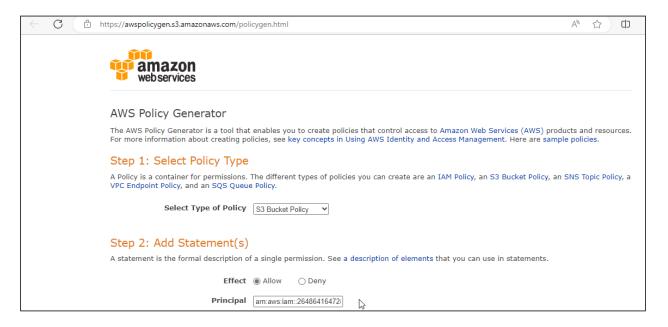


2.6 To enter the value in the principal, go to IAM users, click on **User1**, and then copy the user ARN

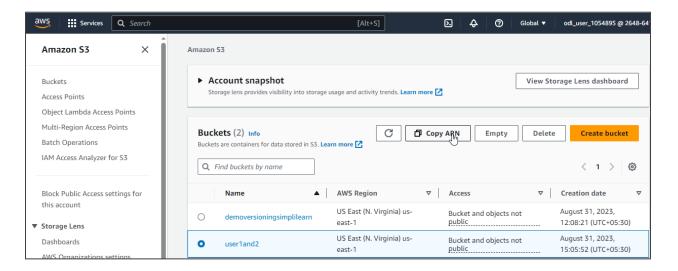




2.7 Paste the copied ARN in the Principal tab



2.8 For Amazon Resource Name (ARN), go to the S3 bucket, select the bucket, and click on the Copy ARN button





#### 2.9 Paste the copied ARN in the ARN tab and click on Add Statement



## 2.10 Now, click on Generate Policy





The policy will be generated as shown here:

```
Policy JSON Document

Click below to edit. To save the policy, copy the text below to a text editor.
Changes made below will not be reflected in the policy generator tool.

{

"Id": "Policy1693475075264",
"Version": "2012-10-17",
"Statement": [

"Statement": [

"Action": "s3:"",
"Effect": "Allow",
"Resource": "arn:aws:s3:::userland2",
"Principal": {

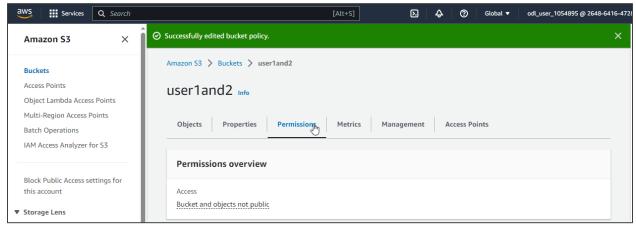
"AMS": [
"arn:aws:iam::264864164728:user/User1"
]
}
}
}

Close
```



2.11 Copy the JSON and paste it into the bucket policy as shown here:





The policy has been successfully updated.

By following these steps, you have successfully demonstrated the process of creating users, attaching policies to them, and then configuring the policy generator using principals.