**Lesson 3 Demo 3**

**EC2 IAM Roles to Access S3**

**Objective:** To access S3 using the EC2 instance

**Tools required:** AWS Lab

**Prerequisites:** Create an EC2 instance named S3

Steps to be followed:

1. Create a role
2. Attach the IAM instance profile to the EC2 instance
3. Validate access through the S3 bucket

**Step 1: Create a role**

* + 1. Open the **AWS** console. Search and select the **IAM**.

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* 1. Select **Roles** and click on the **Create role** button.

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* 1. Select the **AWS service** and click on the **EC2**.

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* 1. Click on the **Next** button.
  2. In the filter, search and select the **AmazonS3ReadOnlyAccess.**

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* + 1. Click on the **Next** button.
    2. Enter the role name.

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* 1. Click on the **Create role** button.
  2. The role has been created successfully.

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**Step 2: Attach the IAM instance profile to the EC2 instance**

* 1. Open the **EC2** console.

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* 1. Select the **S3** instance.

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* 1. In the **Actions,** select the **Security** and then click on the **Modify IAM role**.

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* 1. In the **IAM role** section, select the role that was created previously.

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* 1. Click on the **Update IAM role** button.

**Step 3: Validate access through the S3 bucket**

* 1. Open the **S3** console.

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* 1. Click on the **Create bucket** button.

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* 1. Enter the **Bucket name** and click on the **Create bucket** button.

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* 1. Select the S3 bucket that the user wants to verify.

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**Note**:

Upload one txt file in the S3 bucket.

* 1. In the **IAM** dashboard, search and select **CloudShell**.

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* 1. Enter the following command:

**aws s3 ls s3://s3bucketec2**

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Note:

Replace **s3bucketec2** with the bucket name.