

Question 1: Create an IAM user named developer-user with programmatic access and attach the AmazonS3ReadOnlyAccess policy.

AWS IAM User: developer-user - S3 Read-Only Access

1. IAM User Creation

The IAM user developer-user was created with **programmatic access**.

Steps to Create the IAM User

1. Navigate to **AWS Console** → **IAM** → **Users**.
2. Click **Add User**.
3. Enter **User Name**: developer.
4. Under **AWS access type**, select **Access key - Programmatic access**.
5. Click **Next** to proceed to permissions.
6. Attach the managed policy **AmazonS3ReadOnlyAccess**.
7. Click **Next**, review the settings, and create the user.
8. Save the **Access Key ID** and **Secret Access Key** securely.

2. Verifying IAM user Read-only access to S3

Open the terminal

RUN: **aws configure**

- Enter the **access key** and **secret key** for the created user.
- Set the default region
- Leave the output format as **JSON**

RUN: **aws s3 ls** (to list the buckets)

RUN: **aws s3 ls s3://awschandana-harshi/**(to read the bucket)

RUN: **aws s3 rm s3://awschandana-harshi/"Coverletter harshitha.pdf"** (to delete the file)



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Command Prompt
C:\Users\Chandana S>aws s3 ls
2025-04-02 17:26:26 awschandana-harshi

C:\Users\Chandana S>aws s3 ls s3://awschandana-harshi/
2025-04-02 17:27:09      92561 Coverletter harshitha.pdf

C:\Users\Chandana S>aws s3 rm s3://awschandana-harshi/"Coverletter harshitha.pdf"
delete failed: s3://awschandana-harshi/Coverletter harshitha.pdf An error occurred (AccessDenied) when calling the DeleteObject operation: User: arn:aws:iam::949847155882:user/developer is not authorized to perform: s3:DeleteObject on resource: "arn:aws:s3::awschandana-harshi/Coverletter harshitha.pdf" because no identity-based policy allows the s3:DeleteObject action
```