



Data Sheet

Connecting Amazon S3 to Snowflake through Fivetran

Step-By-Step Guide

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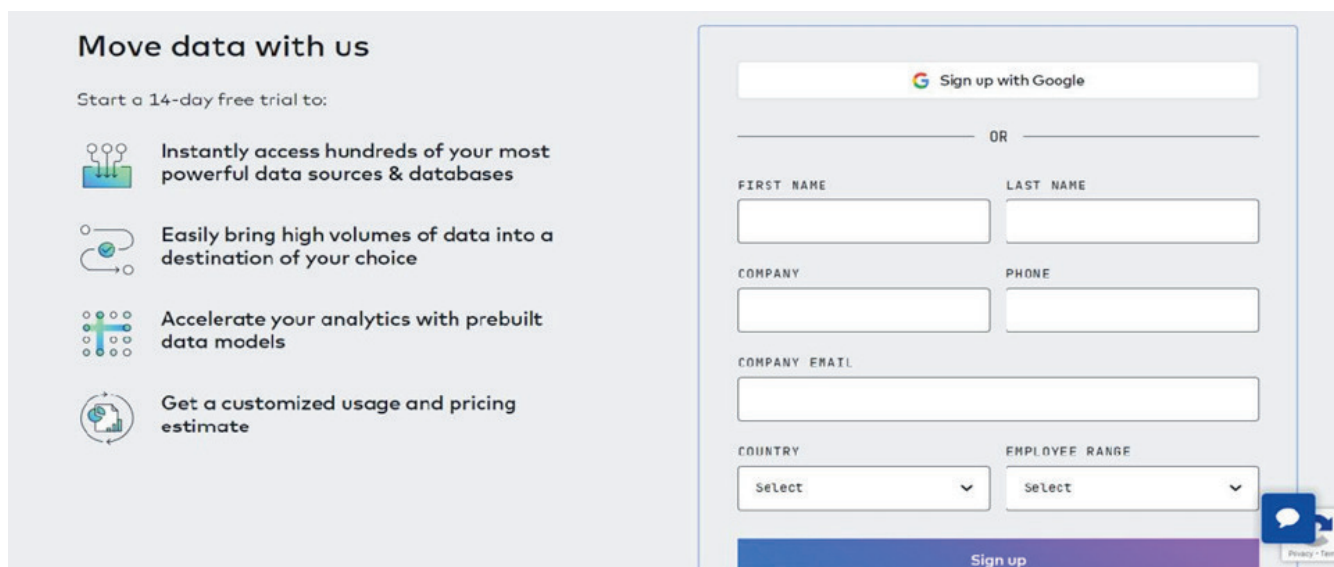
Fivetran offers various connectors to load flat files from the local device to the destination. In this document, we will upload CSV files to our Snowflake account (destination) from our local system using an AmazonS3 (bucket) connection.

To perform this action, we need the following:

- Fivetran Account
- AWS account
- Snowflake Account

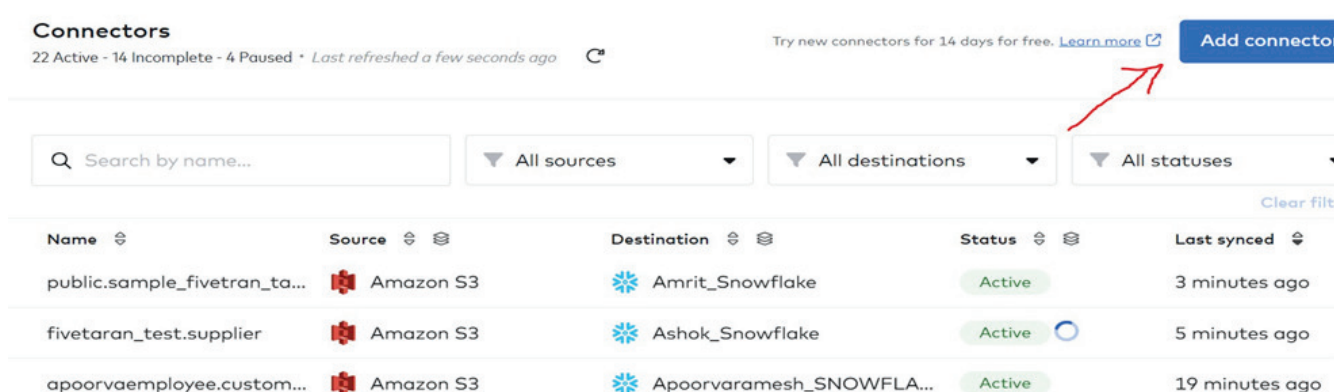
Fivetran Account

Create a Fivetran Sandbox account to get all the Fivetran features. Provide the necessary information to sign up.



The image shows the Fivetran sign-up page. On the left, there's a section titled "Move data with us" with four bullet points: "Start a 14-day free trial to:", "Instantly access hundreds of your most powerful data sources & databases", "Easily bring high volumes of data into a destination of your choice", "Accelerate your analytics with prebuilt data models", and "Get a customized usage and pricing estimate". On the right, there's a sign-up form with fields for "FIRST NAME", "LAST NAME", "COMPANY", "PHONE", "COMPANY EMAIL", "COUNTRY" (a dropdown menu), and "EMPLOYEE RANGE" (a dropdown menu). There's a "Sign up with Google" button at the top and a "Sign up" button at the bottom. A red arrow points to the "Add connector" button in the screenshot below.

- After providing all the relevant information, we will receive an email to reset our password and log in again.

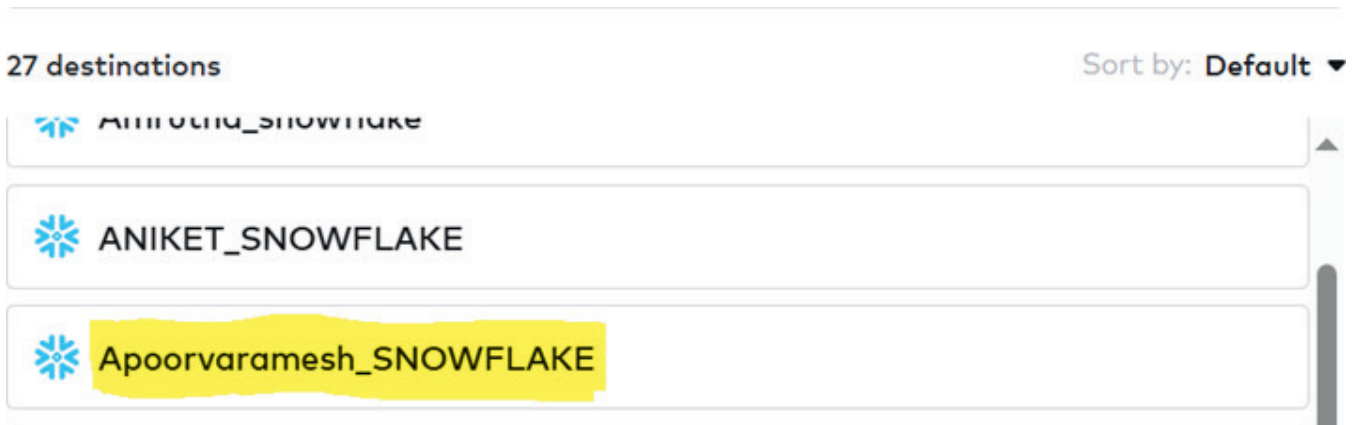


The image shows the Fivetran Connectors page. At the top, it says "Connectors" and "22 Active - 14 Incomplete - 4 Paused • Last refreshed a few seconds ago". There's a "Try new connectors for 14 days for free. [Learn more](#)" link and an "Add connector" button. Below this is a search bar and three dropdown menus: "All sources", "All destinations", and "All statuses". A red arrow points to the "Add connector" button. Below the filters is a table with columns: Name, Source, Destination, Status, and Last synced.

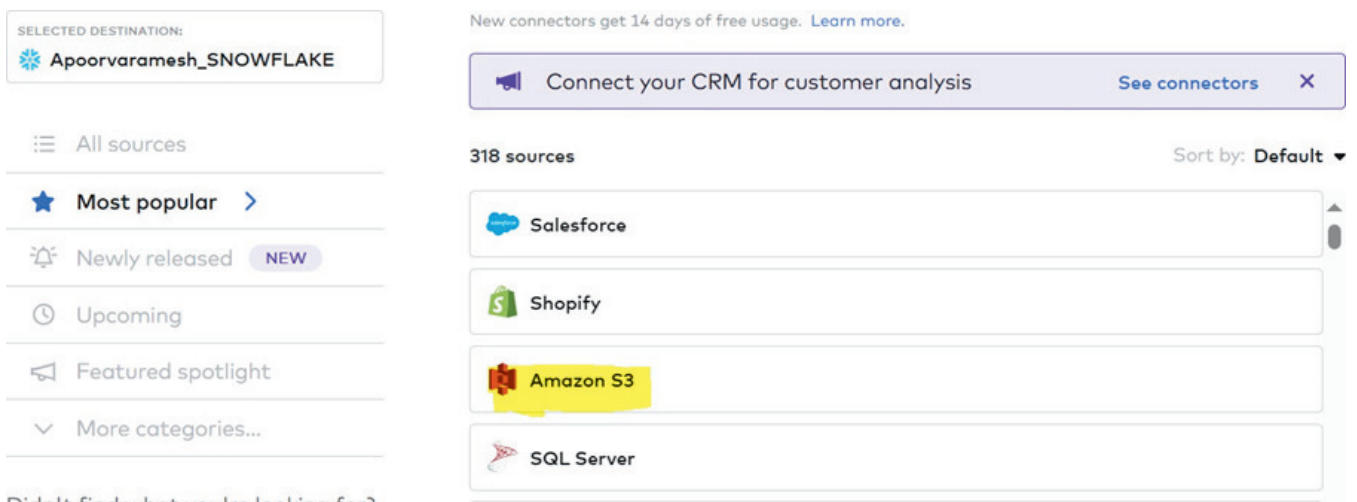
Name	Source	Destination	Status	Last synced
public.sample_fivetran_ta...	Amazon S3	Amrit_Snowflake	Active	3 minutes ago
fivetran_test.supplier	Amazon S3	Ashok_Snowflake	Active	5 minutes ago
apoorvaemployee.custom...	Amazon S3	Apoorvamesh_SNOWFLA...	Active	19 minutes ago

Connecting Amazon S3 to Snowflake through Fivetran

- In Fivetran, navigate to Connectors, create a new connector, and configure the source as the Amazon S3 database and the destination as your Snowflake database.
- Select the destination and click on "Select".



- Choose the Amazon S3 connector.



- Mention the name of the Snowflake schema that matches your destination and specify the Snowflake table name then select "Access Key and Secret" in the Access approach dropdown list.

Destination

❄️ Apoorvaramesh_SNOWFLAKE

Destination schema

xyz

Appears in your destination as **x** and **cannot be changed** after you test the connector or save the form for later.

Destination table

abc

Appears in your destination as **abc** and **cannot be changed** after you test the connector or save the form for later.

Bucket

my-s3-bucket

Your S3 bucket name. The name shouldn't include any prefix or folder path characters.

Access approach (optional)

Access Key and Secret

- Provide your Amazon S3 bucket name and for the Access approach, select "Access Key ID" and "Secret"

Access approach (optional)

Access Key and Secret

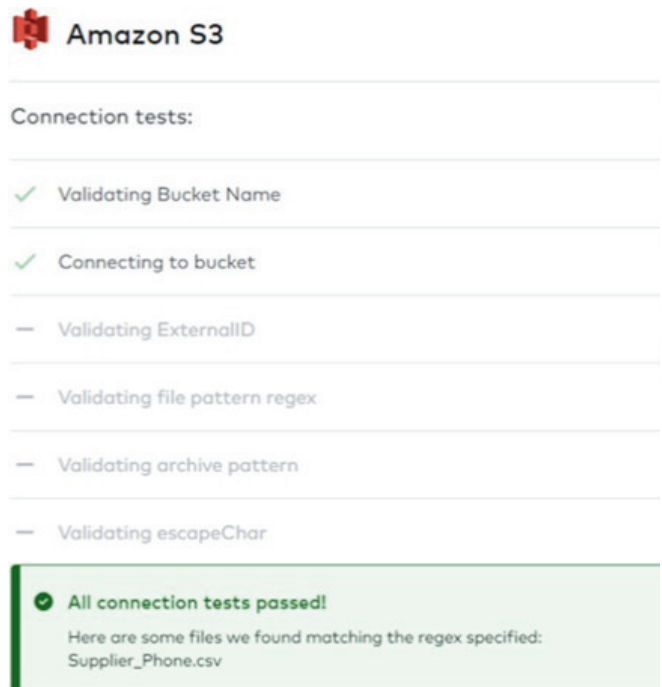
Access Key ID

Enter Access key

Access Key Secret

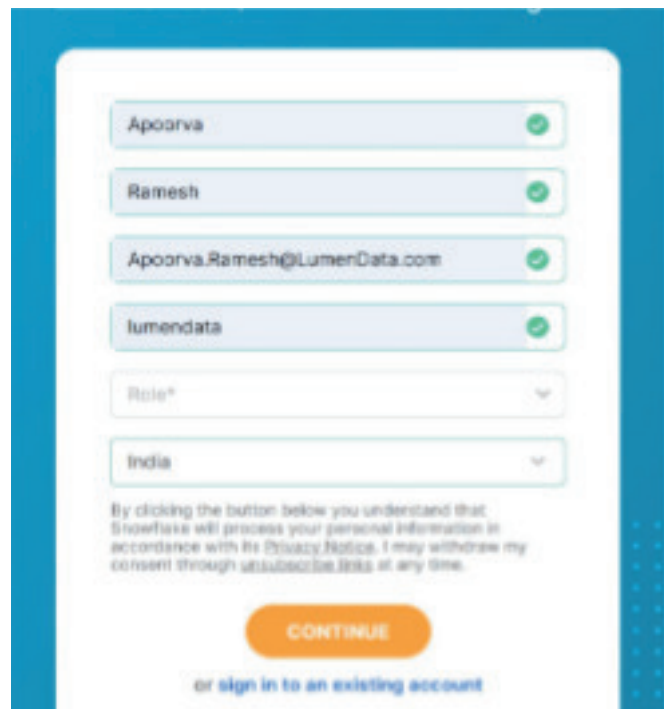
.....

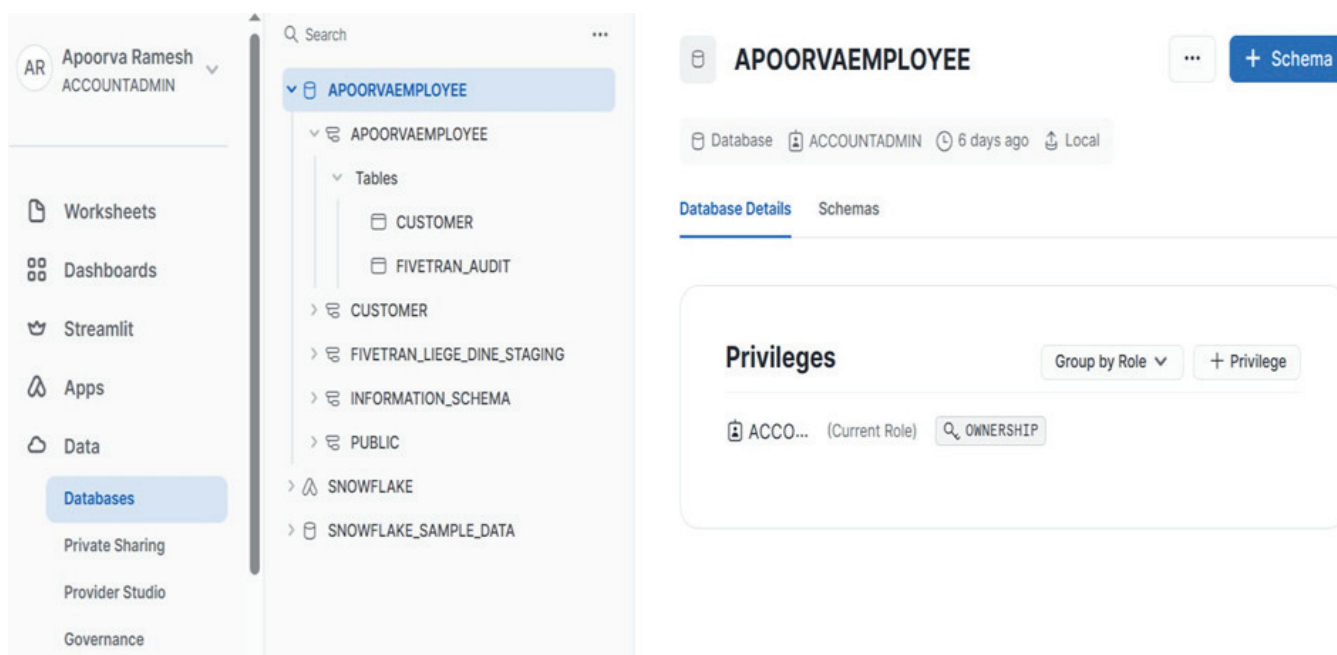
Click on “Save and Test”.
Once your connection has
been successfully tested,
initiate the data
synchronization.



Snowflake Account

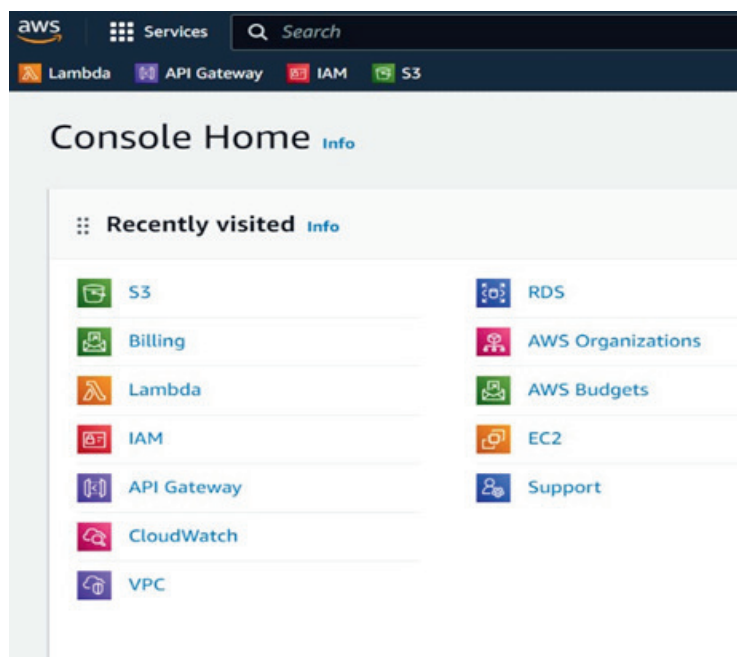
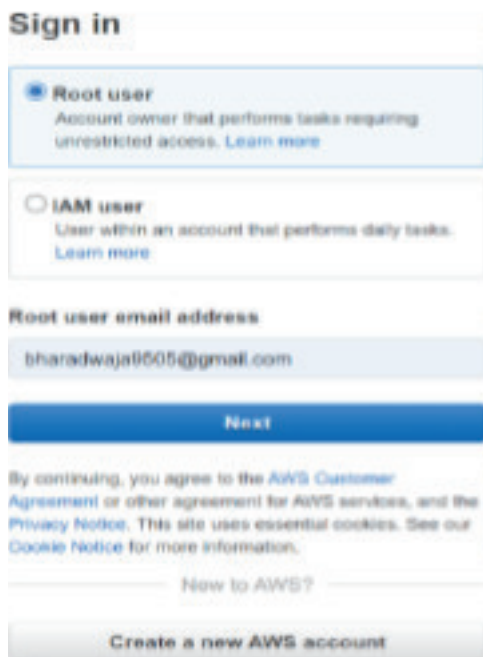
- Provide your account name or account URL
<https://signup.snowflake.com/> .
- If you've previously signed in to Snow site, you might see an account name that you can select.
- Sign in using your Snowflake account credentials.
- Once you log in to the Snowflake account, you have to create the database and schema.



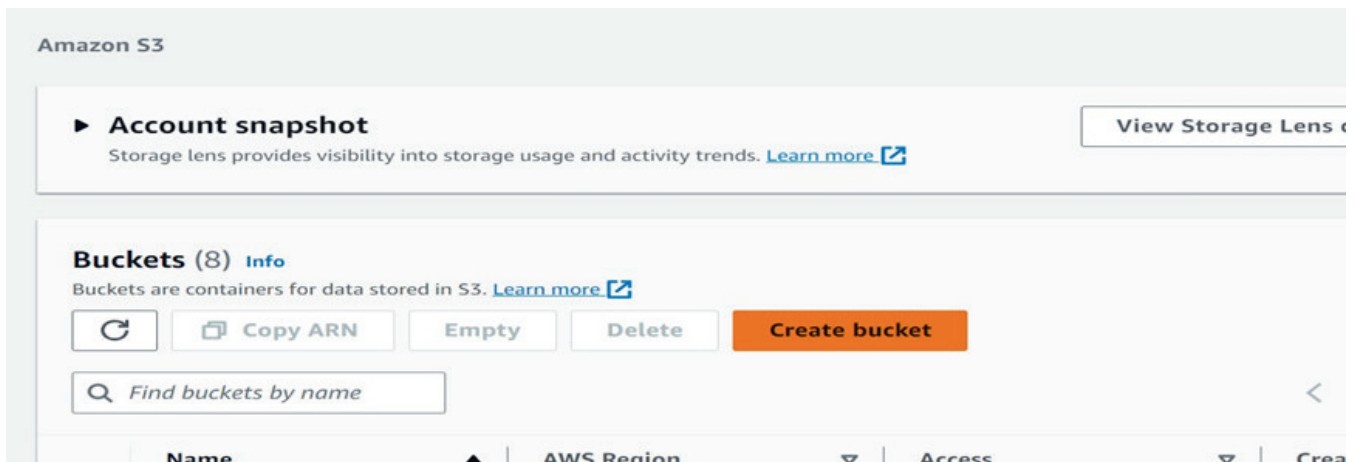


AWS Account

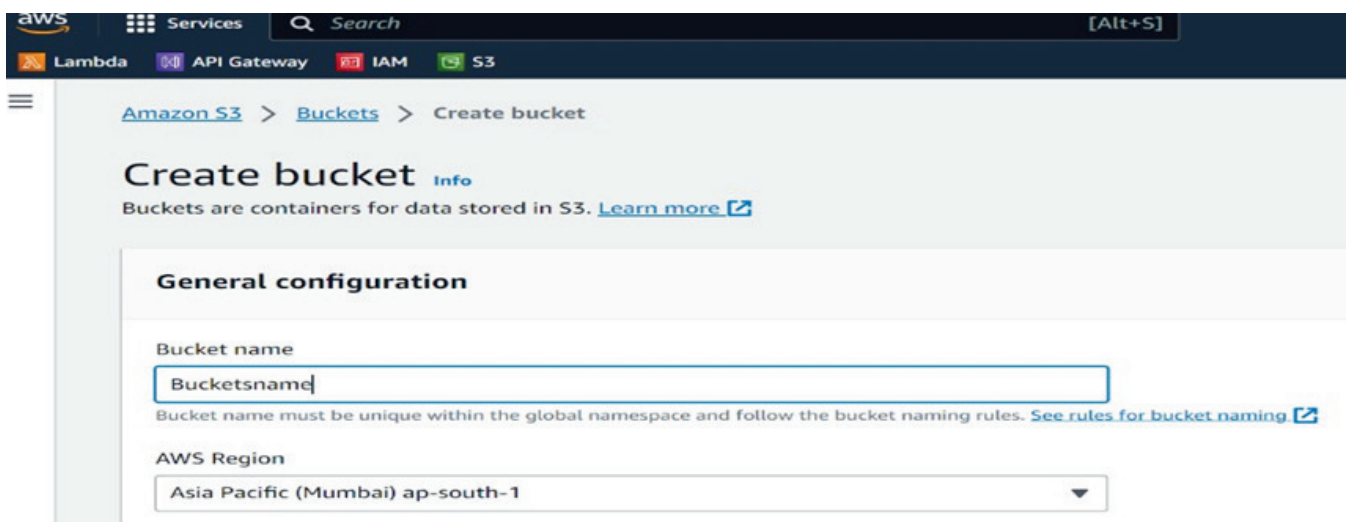
- Type the URL <https://signin.aws.amazon.com/> in the search bar and log in to the AWS account.
- After logging into your AWS account, you will get a home page. Select S3 from the list.



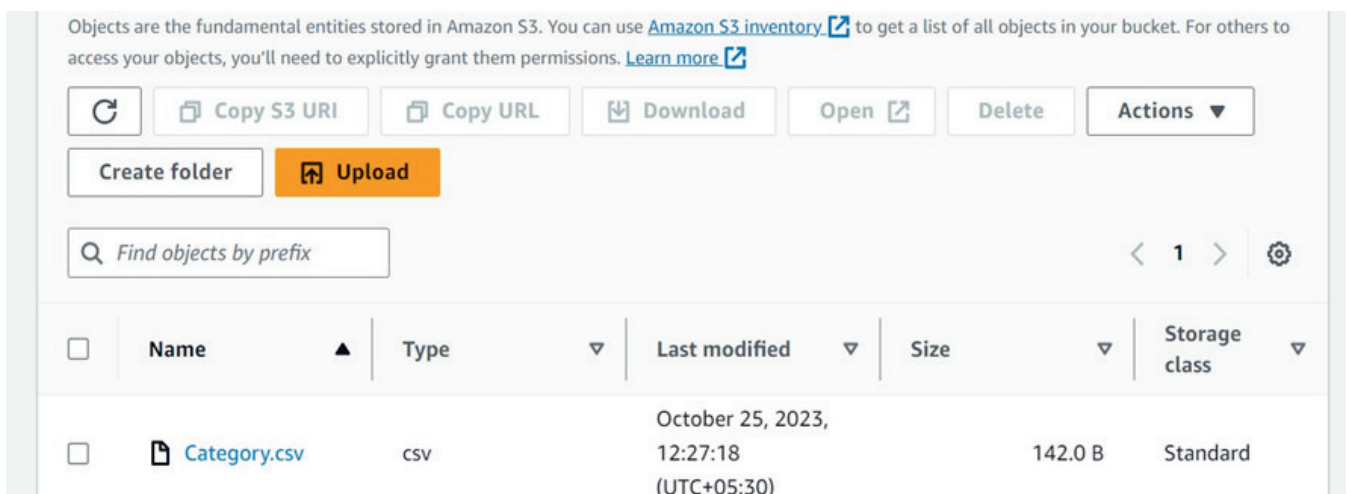
- Click on the "Create bucket"



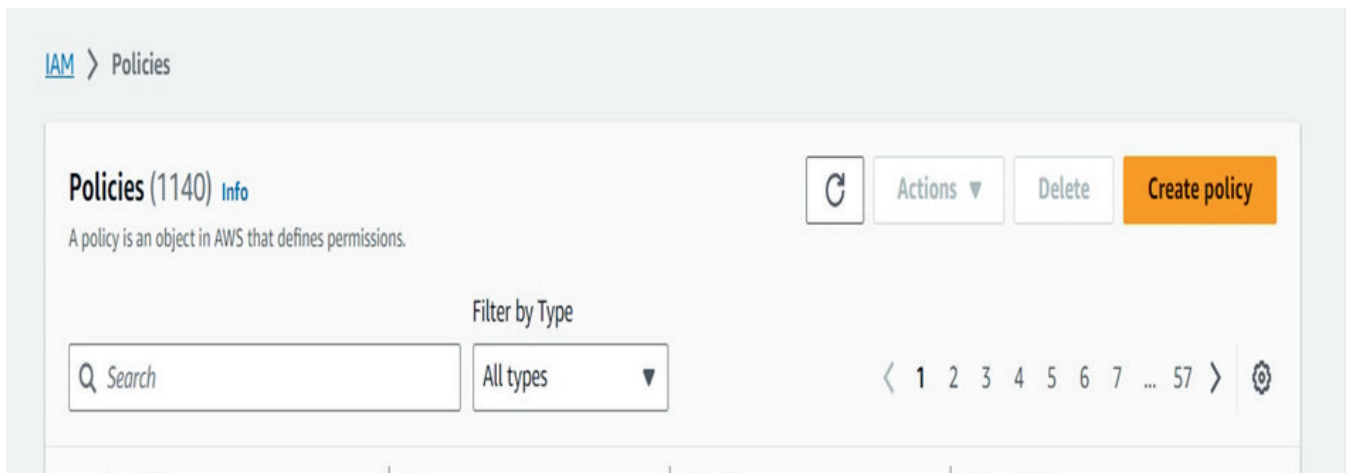
- Now, fill up the required information in all the sections of the wizard.



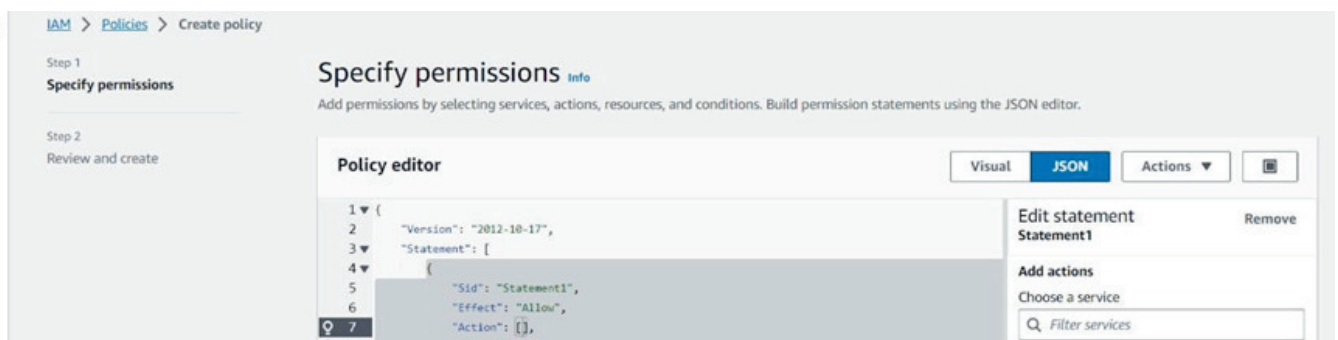
- Click on the "Upload" button present on the right-hand side of the screen. You will be directed to a page for uploading object/files in the bucket.



- In the search bar, type "IAM" and click on "Create Policy"

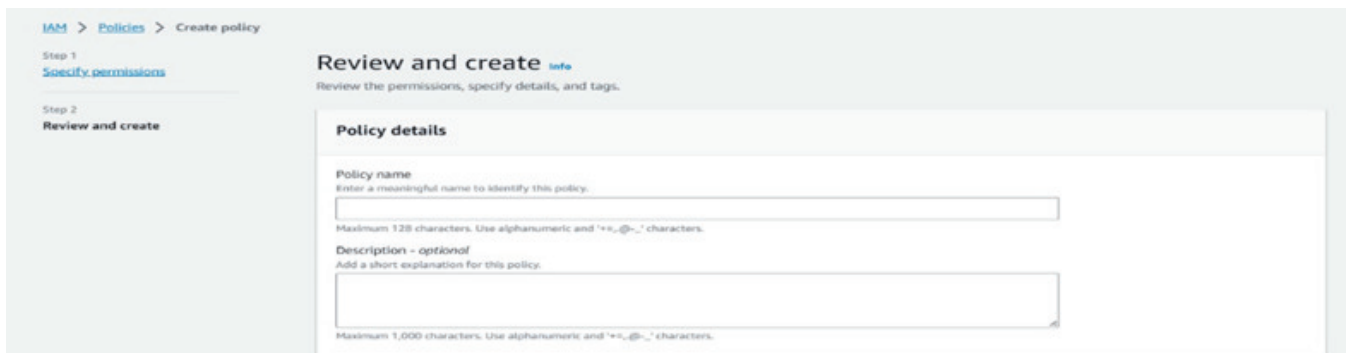


- Select the "JSON" option.



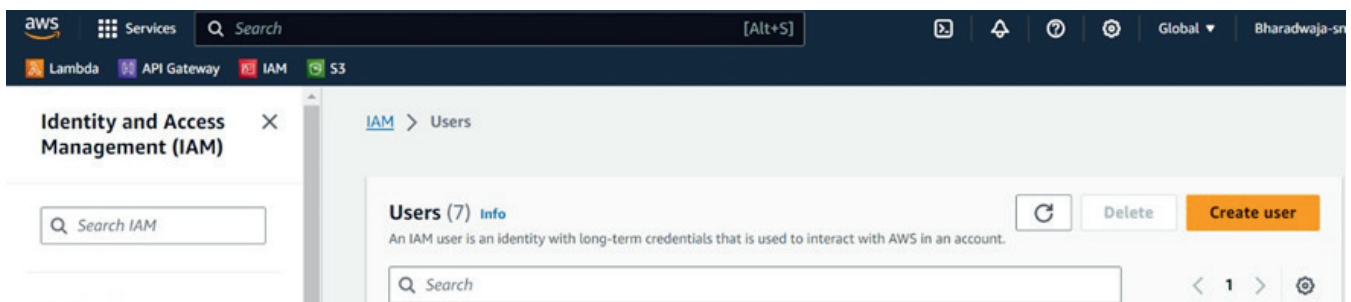
```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Effect": "Allow",
      "Action": [
        "s3:GetBucketLocation",
        "s3:GetObject",
        "s3:ListBucket"
      ],
      "Resource": [
        "arn:aws:s3:::{apoorvafivetran}/*",
        "arn:aws:s3:::{apoorvafivetran}"
      ]
    }
  ]
}
```

- Fill up the policy details, and then click the "Create Policy" button.

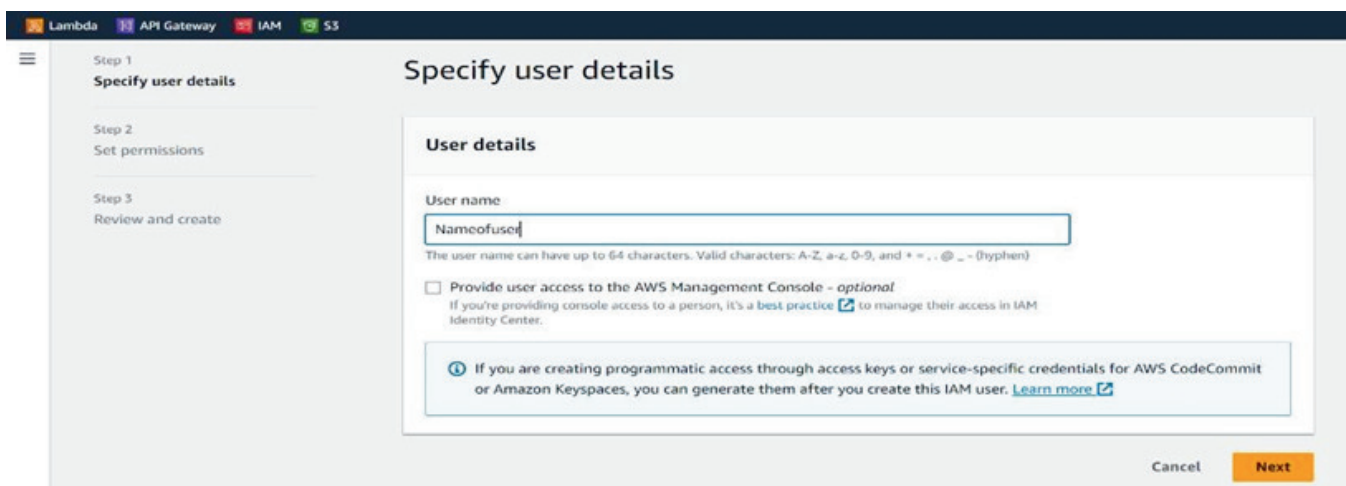


The screenshot shows the 'Review and create' step in the AWS IAM console. The left sidebar indicates 'Step 1: Specify permissions' and 'Step 2: Review and create'. The main panel is titled 'Review and create' and contains a 'Policy details' section. This section has two text input fields: 'Policy name' (with a note: 'Enter a meaningful name to identify this policy. Maximum 128 characters. Use alphanumeric and "+,=,_,@,-" characters.') and 'Description - optional' (with a note: 'Add a short explanation for this policy. Maximum 1,000 characters. Use alphanumeric and "+,=,_,@,-" characters.').

- In the search bar type "IAM" click on "Users" in the left panel and proceed to create a new user by providing the necessary details.

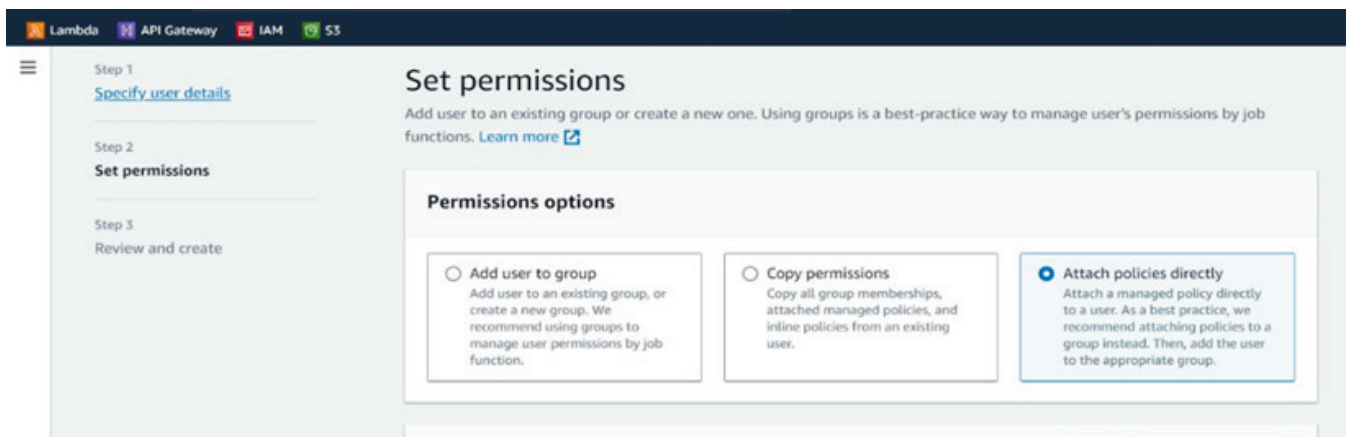


- Enter the user details, and then click on "Next".

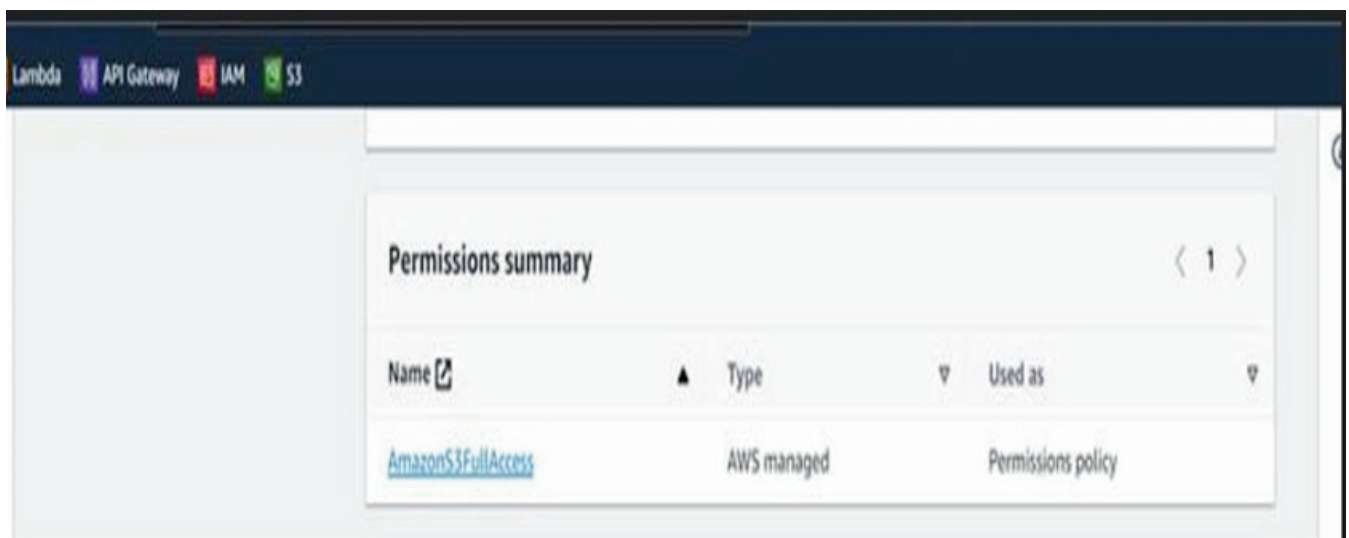


The screenshot shows the 'Specify user details' step in the AWS IAM console. The left sidebar indicates 'Step 1: Specify user details', 'Step 2: Set permissions', and 'Step 3: Review and create'. The main panel is titled 'Specify user details' and contains a 'User details' section. This section has a 'User name' input field (with a note: 'The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and +,=,_,@,- (hyphen)'). Below this is a checkbox labeled 'Provide user access to the AWS Management Console - optional' with a note: 'If you're providing console access to a person, it's a best practice to manage their access in IAM Identity Center.' At the bottom, there is a blue information box with a note: 'If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more'. The bottom right corner has 'Cancel' and 'Next' buttons.

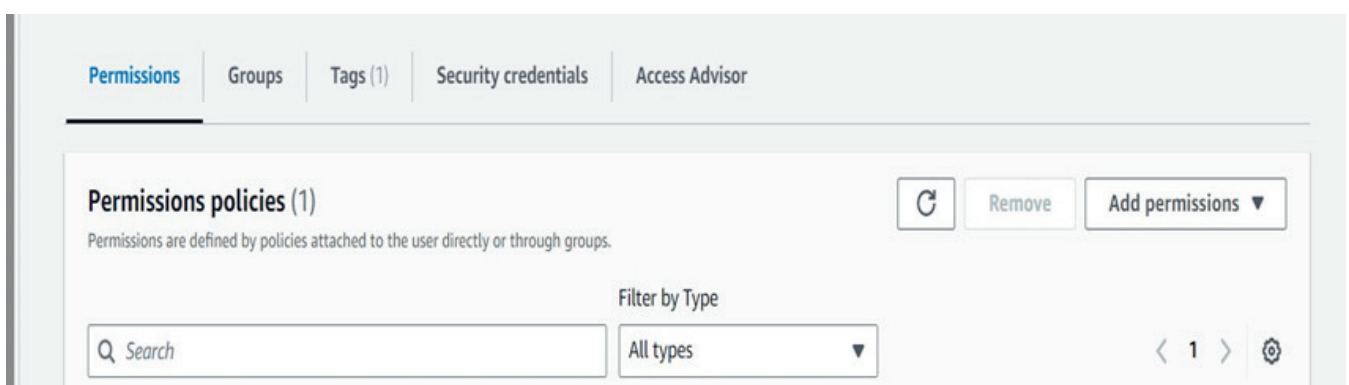
- Select the "Attach policies directly"



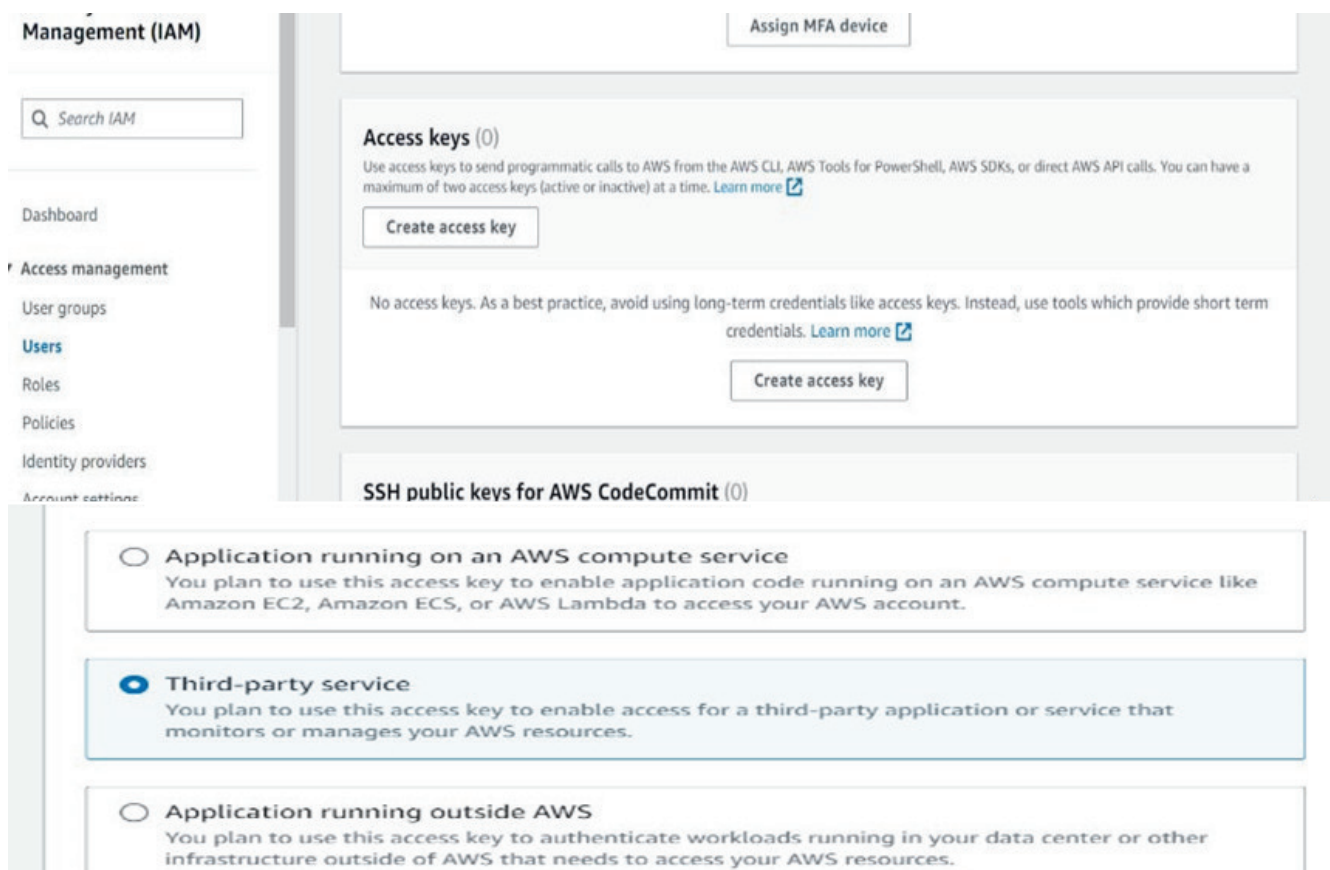
- Add policy, Amazon S3 full access, and select the policy that we created.



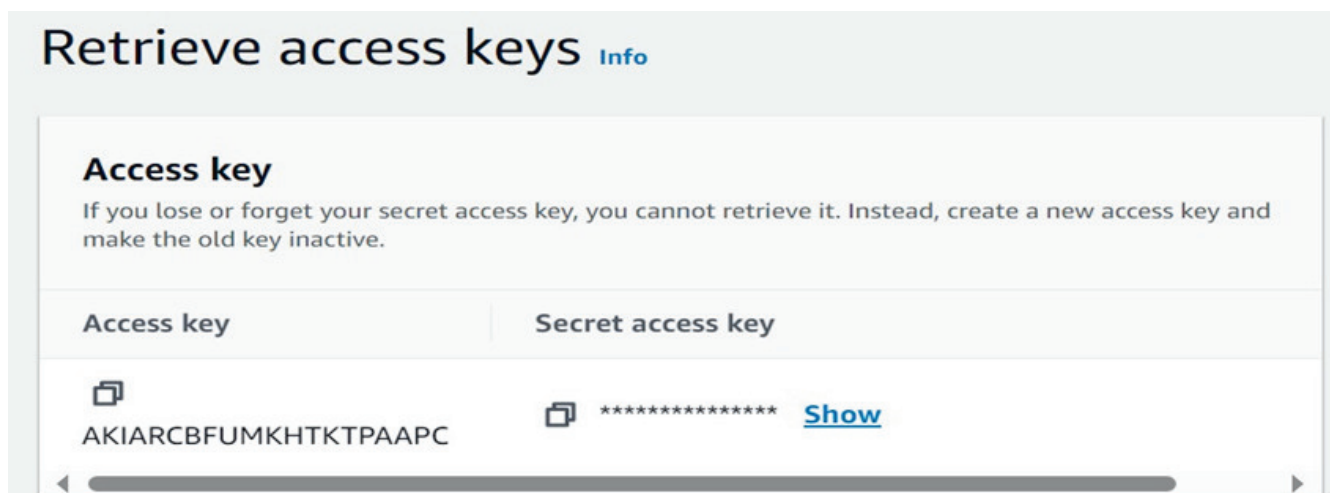
- Click on the username and navigate to the "Security Credentials" section.



- Select the "Access Key" section, then click on "Create an access key." Check the "Third-party service".



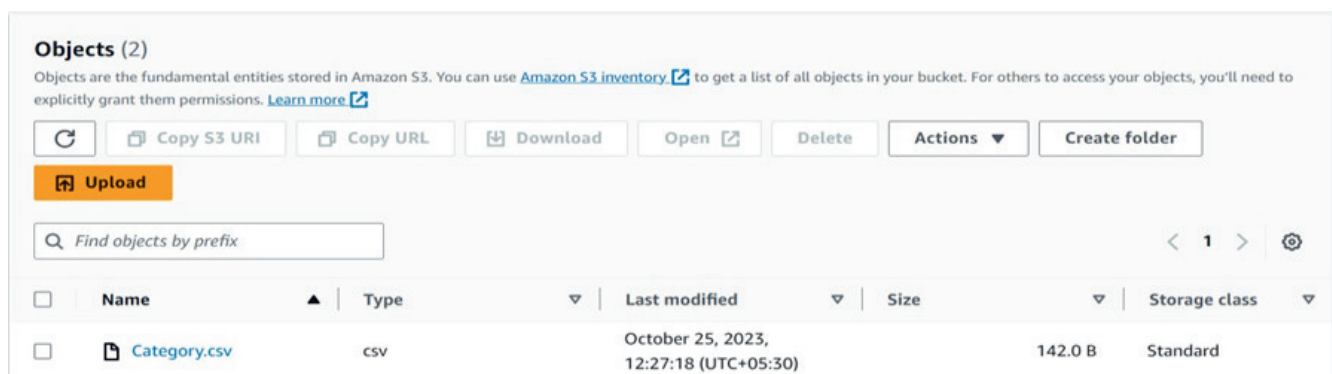
- An Access key and secret key will be generated.



Loading data from Amazon s3 to Snowflake using Fivetran

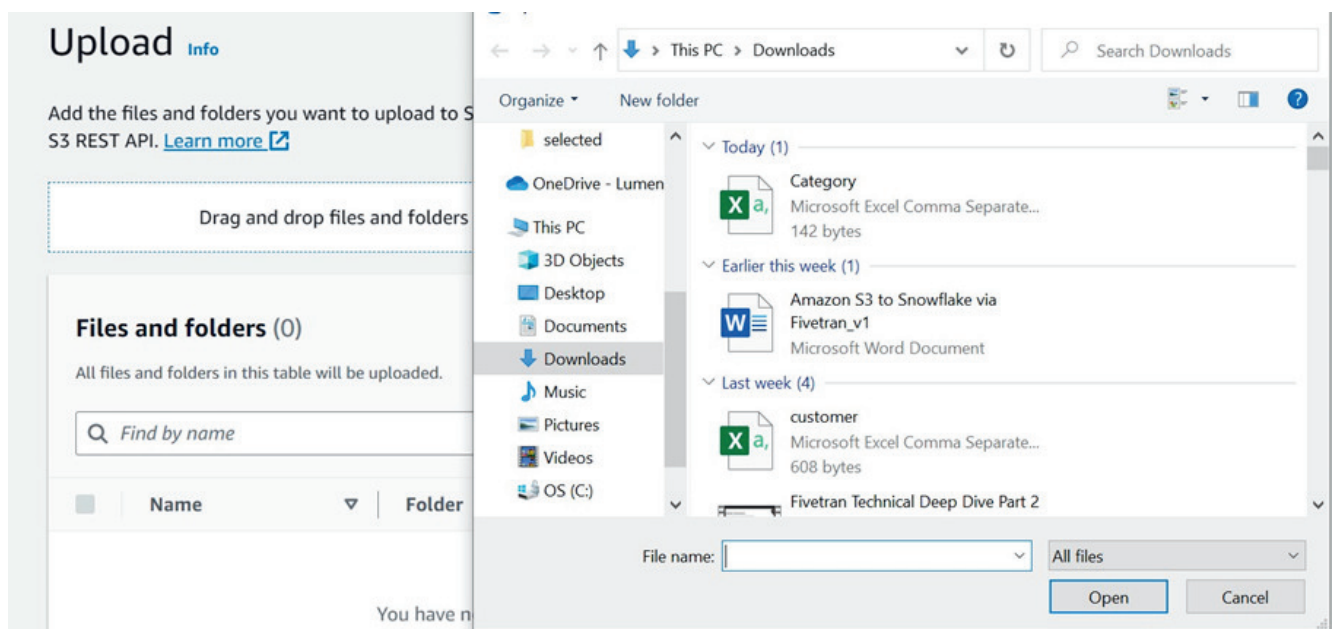
Step 1: Upload the data files to the new Amazon S3 bucket.

Connecting Amazon S3 to Snowflake through Fivetran

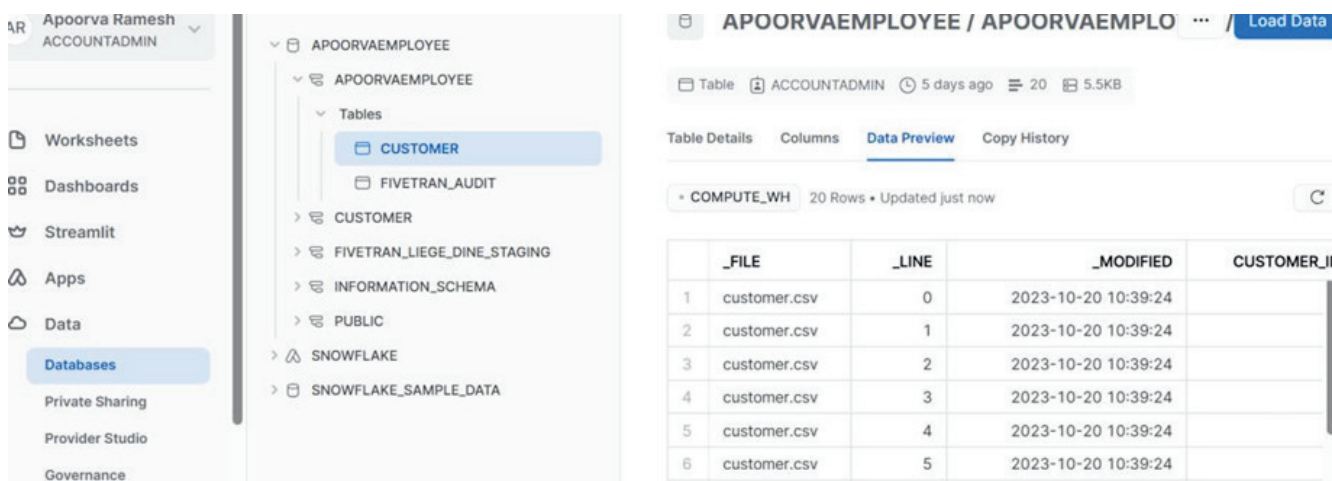


Step 2: Choose the name of the data folder.

Step 3: Choose Start Upload.



Step 4: Once everything is ready, start the sync to load all the tables. Verify the destination to ensure that all the tables are loaded.



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About LumenData

LumenData is a leading provider of **Enterprise Data Management, Cloud & Analytics** solutions. We help businesses navigate their data visualization and analytics anxieties and enable them to accelerate their innovation journeys.

Founded in 2008, with locations in multiple countries, LumenData is privileged to serve over 100 leading companies. LumenData is **SOC2 certified** and has instituted extensive controls to protect client data, including adherence to GDPR and CCPA regulations.



Get in touch with us:
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