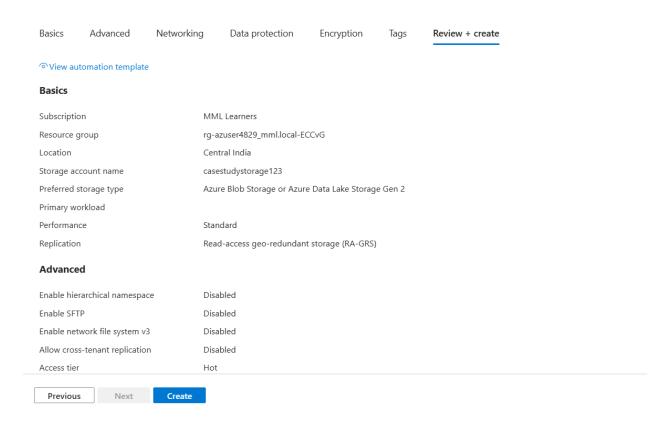
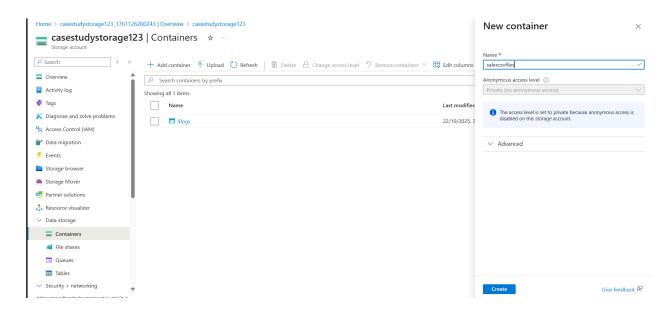
## **CREATING A STORAGE ACCOUNT**

Home > Storage center | Storage accounts (BIODS) >

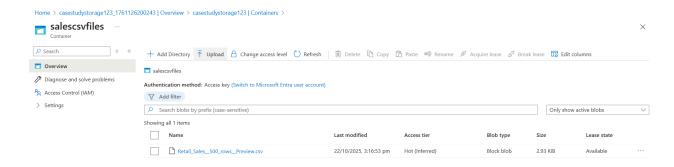
## Create a storage account



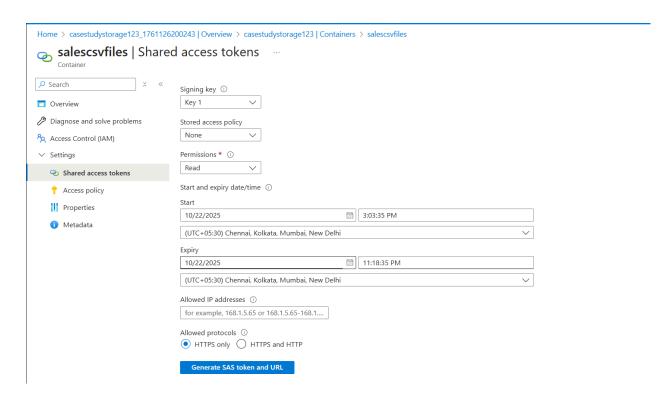
#### **CREATING A NEW CONTAINER**



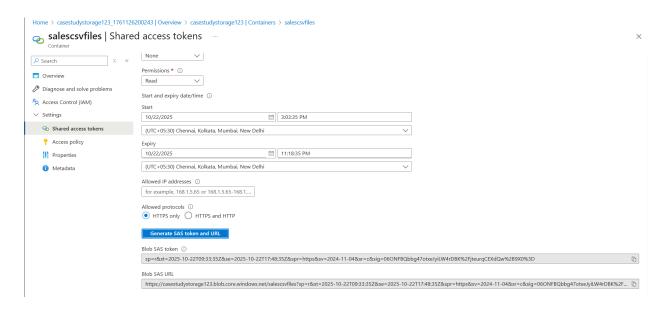
# **UPLOADING THE CSV FILE**



## **ACCESS TOKENS**



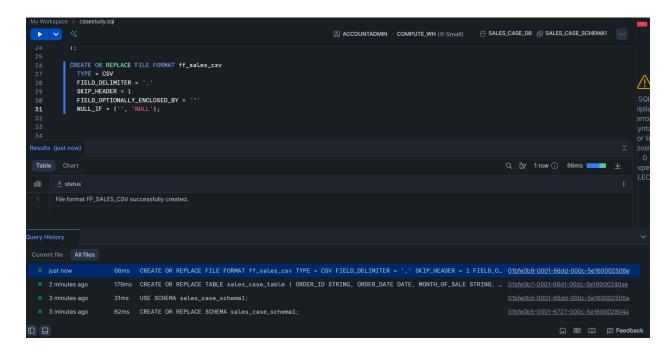
## **GENERATING SAS TOKENS**



# **CREATING DATABASE, SCHEMA AND TABLES**



## **FILE FORMAT**



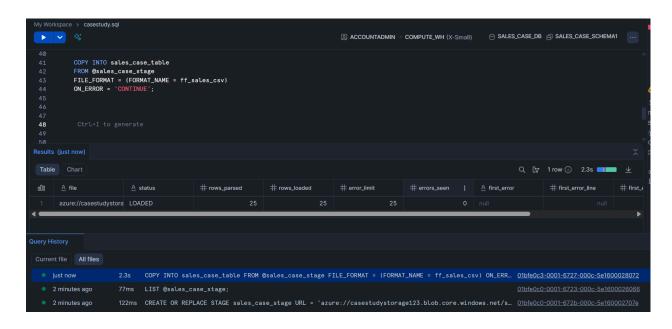
### **STAGING**

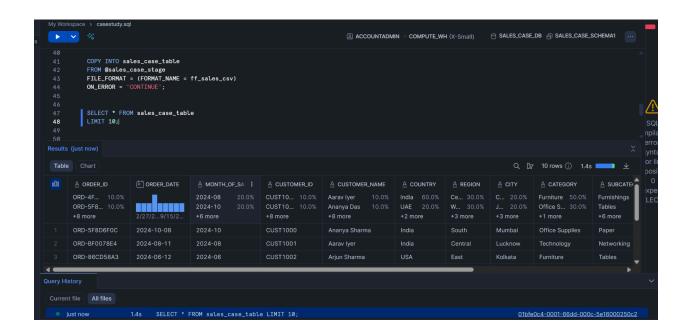


# **CHECKING STAGE CONTENTS**



## COPYING DATA FROM STAGE TO SNOWFLAKE TABLE





#### **DATABRICKS PART**

#### **INSTALLING SNOWFLAKE LIBRARY**

```
Python 🕆 💠 []
    pip install snowflake-connector-python snowflake-sqlalchemy
    %pip install pyspark
Downloading pyopenssl-25.3.0-py3-none-any.whl.metadata (17 kB)
Requirement already satisfied: pyjwt<3.0.0 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (2.10.1)
Requirement already satisfied: pytz in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (2024.1)
Requirement already satisfied: requests<3.0.0 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (2.32.3)
Requirement already satisfied: packaging in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (24.1)
Requirement already satisfied: charset_normalizer<4,>=2 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (3.3.2)
Requirement already satisfied: idna<4,>=2.5 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (3.7)
Requirement already satisfied: certifi>=2017.4.17 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (2025.1.31)
Requirement already satisfied: typing_extensions<5,>=4.3 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (4.12.2)
Requirement already satisfied: filelock<4,>=3.5 in /usr/local/lib/python3.12/dist-packages (from snowflake-connector-python) (3.18.0)
Requirement already satisfied: sortedcontainers>=2.4.0 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (2.4.0)
Requirement already satisfied: platformdirs<5.0.0,>=2.6.0 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (3.10.0)
Collecting tomlkit (from snowflake-connector-python)
 Downloading tomlkit-0.13.3-py3-none-any.whl.metadata (2.8 kB)
Requirement already satisfied: boto3>=1.24 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (1.36.2)
Requirement already satisfied: botocore>=1.24 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (1.36.3)
Collecting snowflake-connector-python
 Downloading snowflake_connector_python-3.18.0-cp312-cp312-manylinux_2_17_aarch64.manylinux2014_aarch64.whl.metadata (74 kB)
Collecting sqlalchemy>=1.4.19 (from snowflake-sqlalchemy)
 Downloading sqlalchemy-2.0.44-cp312-cp312-manylinux_2_17_aarch64.manylinux2014_aarch64.whl.metadata (9.5 kB)
Requirement already satisfied: cffi<2.0.0,>=1.9 in /databricks/python3/lib/python3.12/site-packages (from snowflake-connector-python) (1.17.1)
```

#### READING THE AZURE CONTAINERS USING PANDA

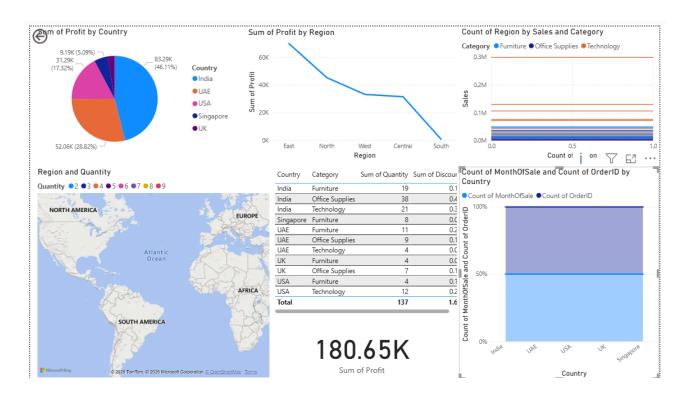
```
spark.read
       .format("snowflake")
   df.show(5)
▶ ■ df: pyspark.sql.connect.dataframe.DataFrame = [ORDER_ID: string, ORDER_DATE: date ... 12 more fields]
   ORDER_ID|ORDER_DATE|MONTH_OF_SALE|CUSTOMER_ID|CUSTOMER_NAME|COUNTRY| REGION| CITY|
                                                                                          CATEGORY|SUBCATEGORY|QUANTITY|DISCOUNT| SALES| PROFIT|
ORD-5F8D6F0C | 2024-10-08 |
                            2024-10| CUST1000|Ananya Sharma| India| South| Mumbai|Office Supplies|
                                                                                                          Paper
                                                                                                                              0.0 2700.0 780.43
ORD-BF0078E4 2024-08-11
                                       CUST1001 | Aarav Iyer | India | Central | Lucknow | Technology | Networking |
                                                                                                                             0.15 27200.0 4135.6
ORD-86CD58A3 2024-06-12
                             2024-06
                                       CUST1002 Arjun Sharma
                                                                USA| East|Kolkata|
                                                                                           Furniture
                                                                                                       Tables
                                                                                                                              0.1 | 31500.0 | 5676.96 |
ORD-FB0CD2D9 2024-12-18
                             2024-12
                                      CUST1003 | Ananya Das | India | North | Kolkata | Office Supplies | Appliances |
                                                                                                                              0.0|36000.0|11783.22|
                            2024-10| CUST1004| Ishaan Bhat|
                                                                                                       Storage|
ORD-EF35596B 2024-10-27
                                                                UK|Central|Chennai|
                                                                                        Furniture
                                                                                                                              0.0 24000.0 4189.98
nly showing top 5 rows
```

## **BASIC TRANSFORMATIONS IN DATABRICKS AND VERIFYING RESULT**



# **POWERBI**

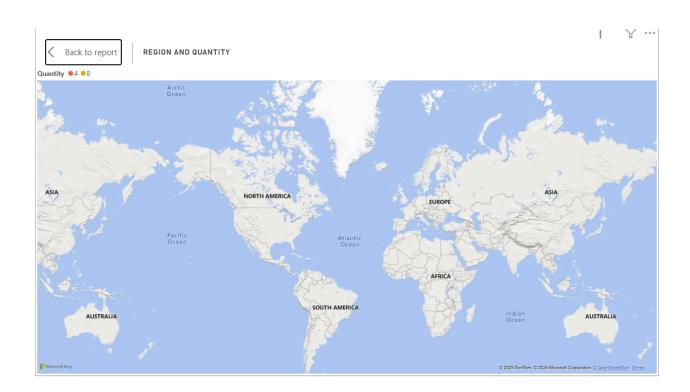
## CREATING DASHBOARDS IN POWERBI, EXTRACTING THE DATAS FROM SNOWFLAKE

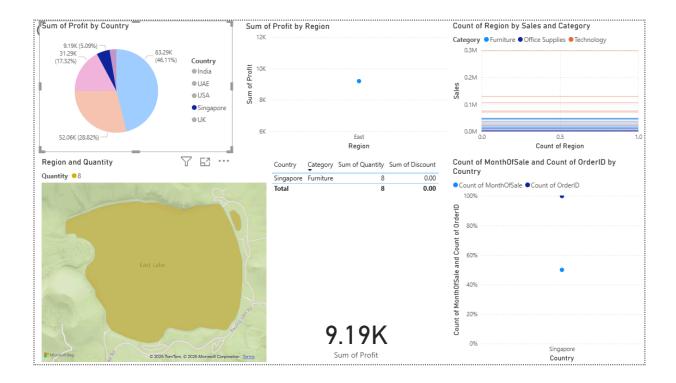


### **INTERACTING WITH THE DASHBOARDS**









Back to report

SUM OF PROFIT BY COUNTRY

