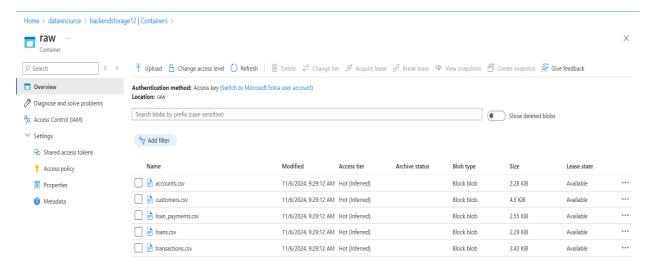
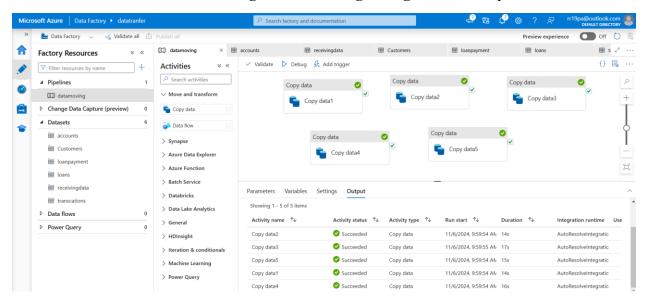
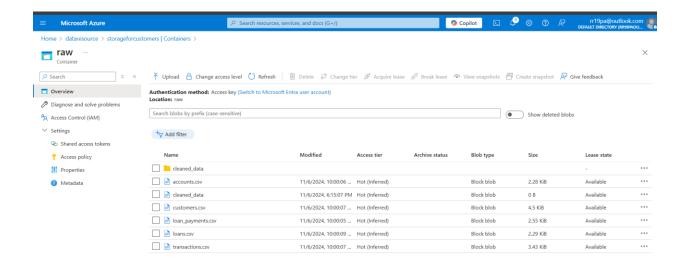
Data Pipeline for Customer

Step 1: Data Ingestion (Backend Storage to Raw(Bronze) Container)



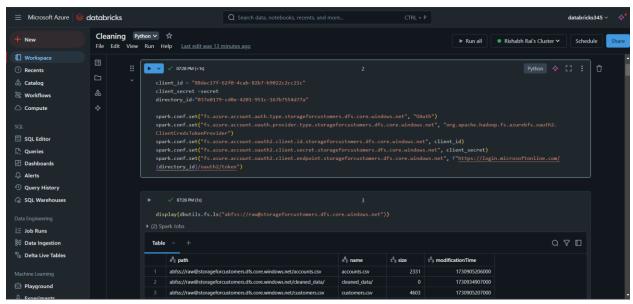
We moved files from backendstorage to new storage using Data Factory





Step 2: Databricks Activity (Incremental/Delta Processing)

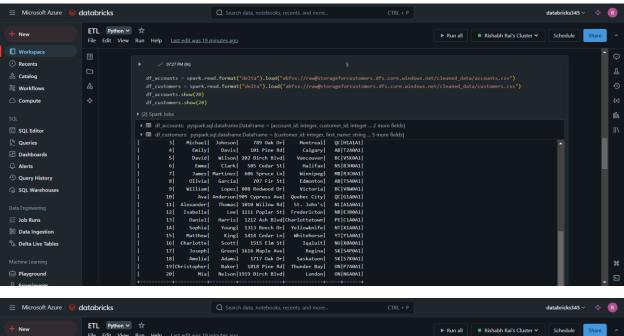
Here we read data and clean all the data and move them to cleaned_data

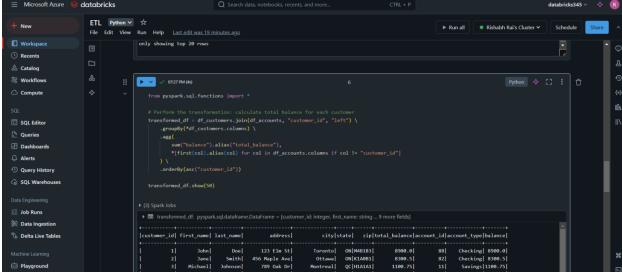


also used key vault to access id secret and you can see it in cleaning. Ipynb

Step 3: Databricks Activity (ETL Processing)

We created another databricks notebook for ETL Processing here we read all the cleaned data we created in step 2 and wrote the query to calculate the total balance across all accounts for each customer, ensuring that all columns from the accounts and customers tables are selected and included and stored it in gold container.





Step 4: Azure Synapse Analytics

Create external tables in Azure Synapse Analytics to map to the data stored in the Curated(silver) and Refined(gold) containers of your data lake. This allows data analysts and business intelligence teams to access and query the data directly using tools like Synapse Studio or notebooks.

