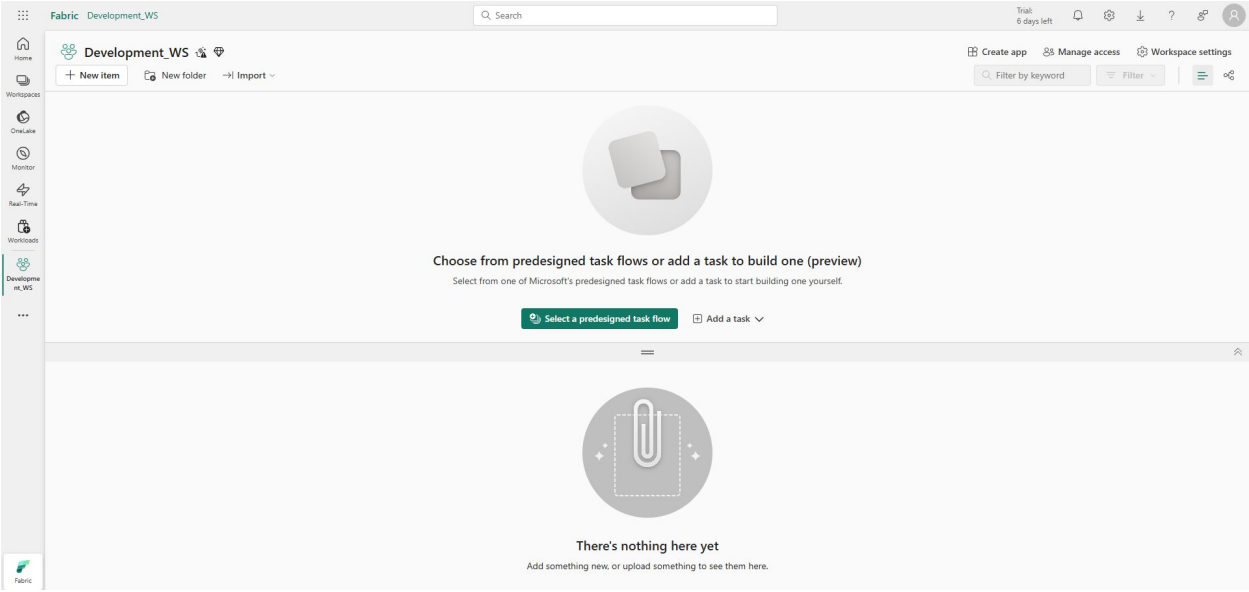
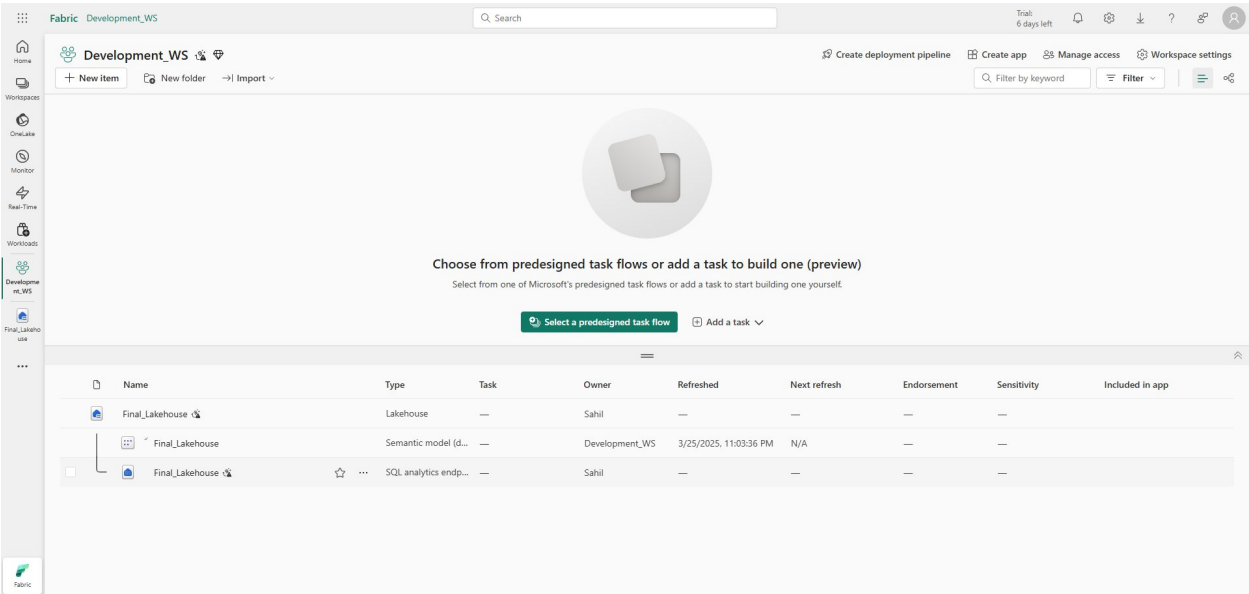


# Project-2   Analytics Engineering

## 1. Created a dev workspace



## 2. Created a final Lakehouse



### 3. Uploading factorders to snowflake

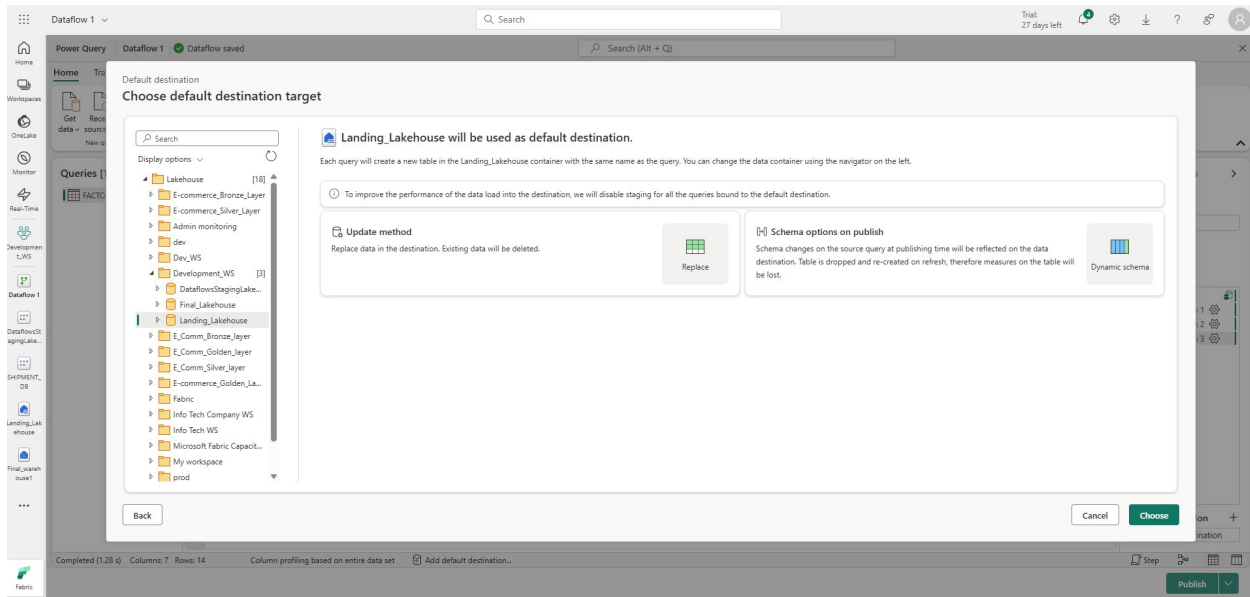
The screenshot shows the Snowflake SQL Editor interface. The left sidebar displays the database structure: SHIPMENT\_DB, INFORMATION\_SCHEMA, PUBLIC, SAMD\_FABRIC, and SNOWFLAKE. The main editor contains a query: `SELECT * FROM factorders`. The results pane shows 14 rows of data. The right sidebar displays query details, including a query duration of 78ms and a query ID.

ORDERID	PRODUCTID	CUSTOMERID	ORDERDATE	SHIPPERID	QUANTITY	SALESAMOUNT
1001	2001	3001	2024-01-01	4001	2	40
1002	2002	3002	2024-01-03	4002	1	20
1003	2003	3003	2024-01-05	4003	5	100
1004	2004	3004	2024-01-07	4001	3	75
1005	2005	3005	2024-01-08	4004	2	300
1006	2006	3006	2024-01-10	4005	4	40
1007	2002	3001	2024-01-11	4002	3	60
1008	2004	3003	2024-01-13	4001	5	125
1009	2005	3002	2024-01-15	4003	2	300
1010	2006	3004	2024-01-17	4004	1	10
1011	2001	3005	2024-01-19	4001	4	80
1012	2003	3006	2024-01-21	4002	3	60
1013	2002	3001	2024-01-23	4003	2	40
1014	2004	3003	2024-01-25	4005	1	25

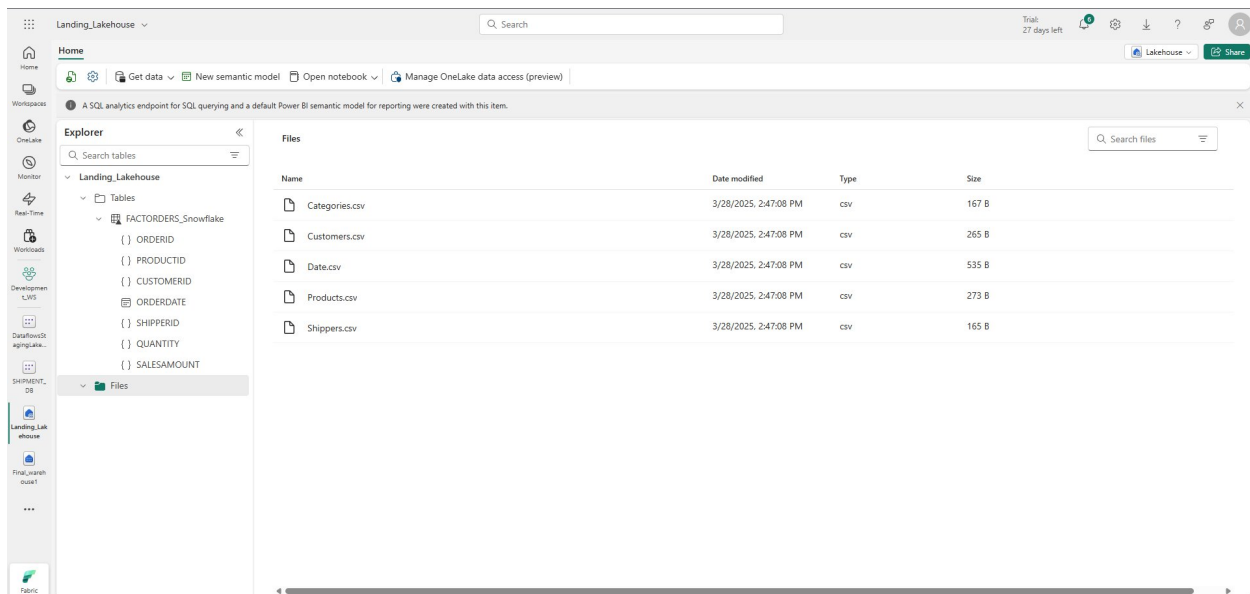
### 4. Get data from Snowflake into fabric Lakehouse

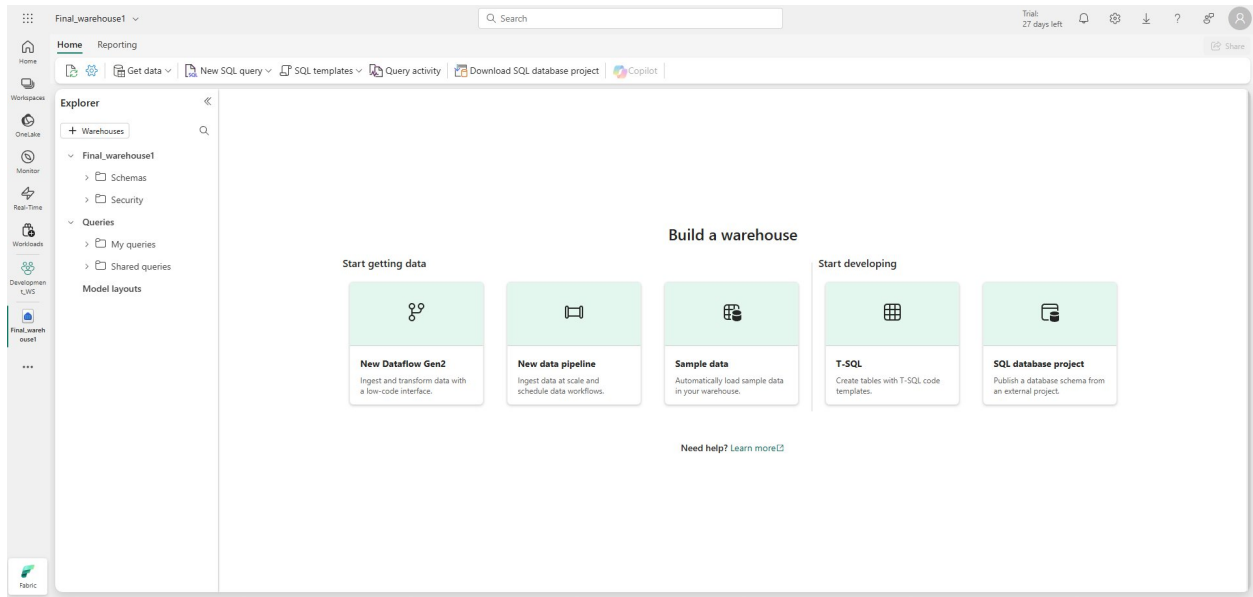
The screenshot shows the Microsoft Fabric Lakehouse interface. The 'Get data' dialog box is open, displaying a list of data sources. The 'Snowflake' source is selected, and the 'FACTORDERS' table is chosen. The dialog box shows the table structure and data preview. The 'Create' button is highlighted.

ORDERID	PRODUCTID	CUSTOMERID	ORDERDATE	SHIPPERID	QUANTITY	SALESAMOUNT
1001	2001	3001	1/1/2024	4001	2	40
1002	2002	3002	1/3/2024	4002	1	20
1003	2003	3003	1/5/2024	4003	5	100
1004	2004	3004	1/7/2024	4001	3	75
1005	2005	3005	1/8/2024	4004	2	300
1006	2006	3006	1/10/2024	4005	4	40
1007	2002	3001	1/11/2024	4002	3	60
1008	2004	3003	1/13/2024	4001	5	125
1009	2005	3002	1/15/2024	4003	2	300
1010	2006	3004	1/17/2024	4004	1	10
1011	2001	3005	1/19/2024	4001	4	80
1012	2003	3006	1/21/2024	4002	3	60
1013	2002	3001	1/23/2024	4003	2	40
1014	2004	3003	1/25/2024	4005	1	25

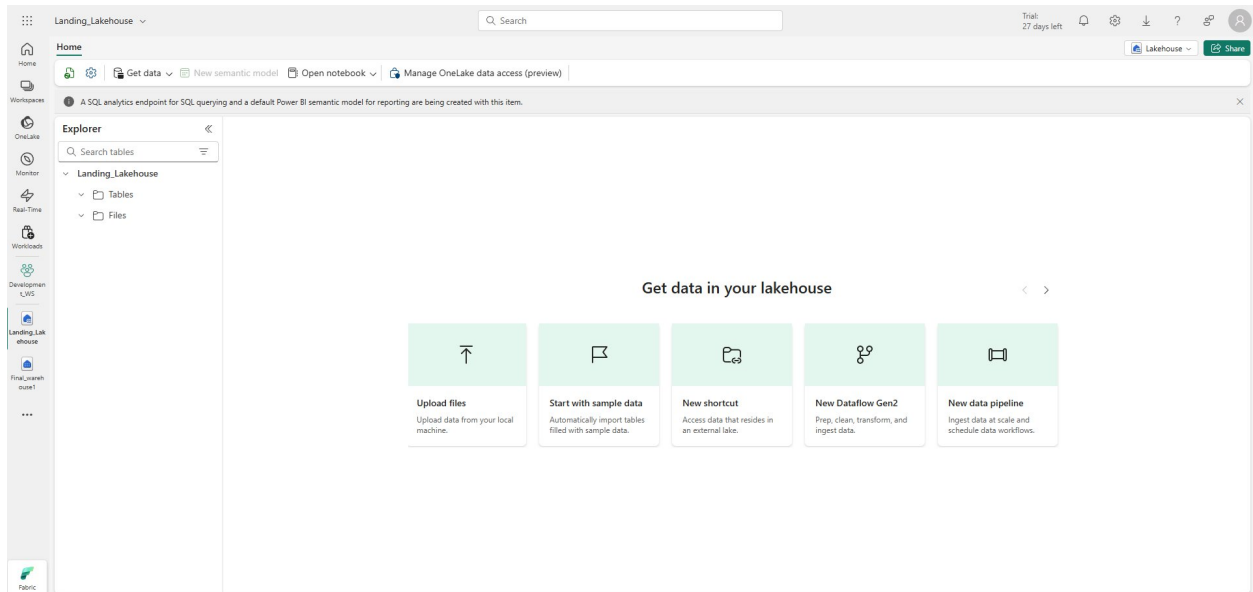


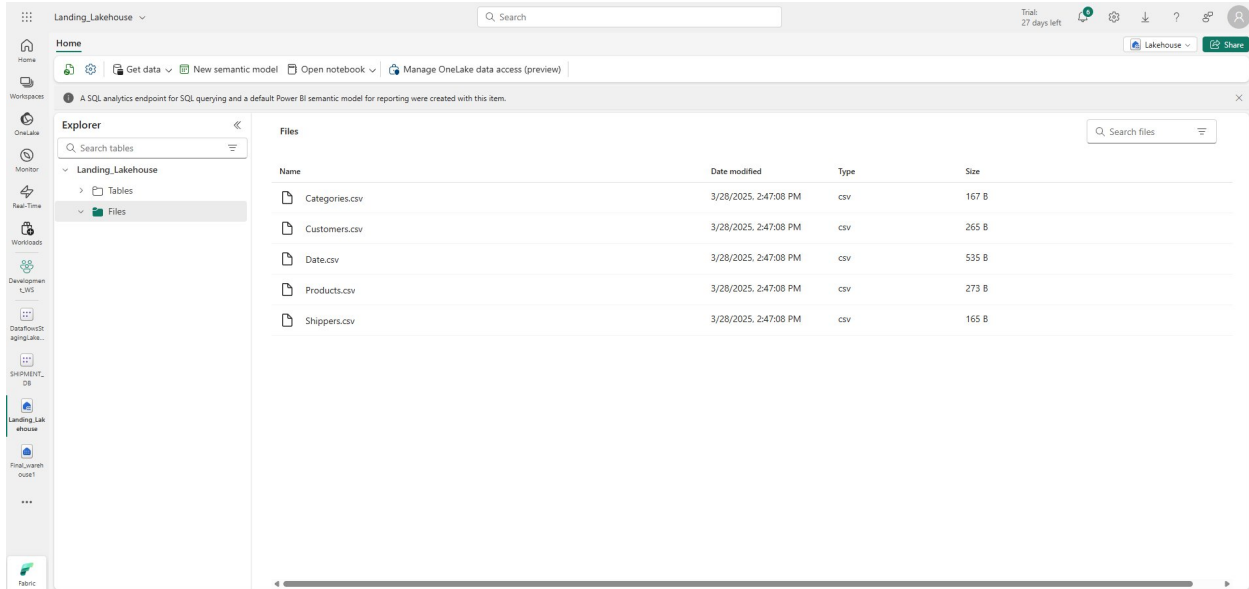
## 5. Data from snowflake to fabric Lakehouse



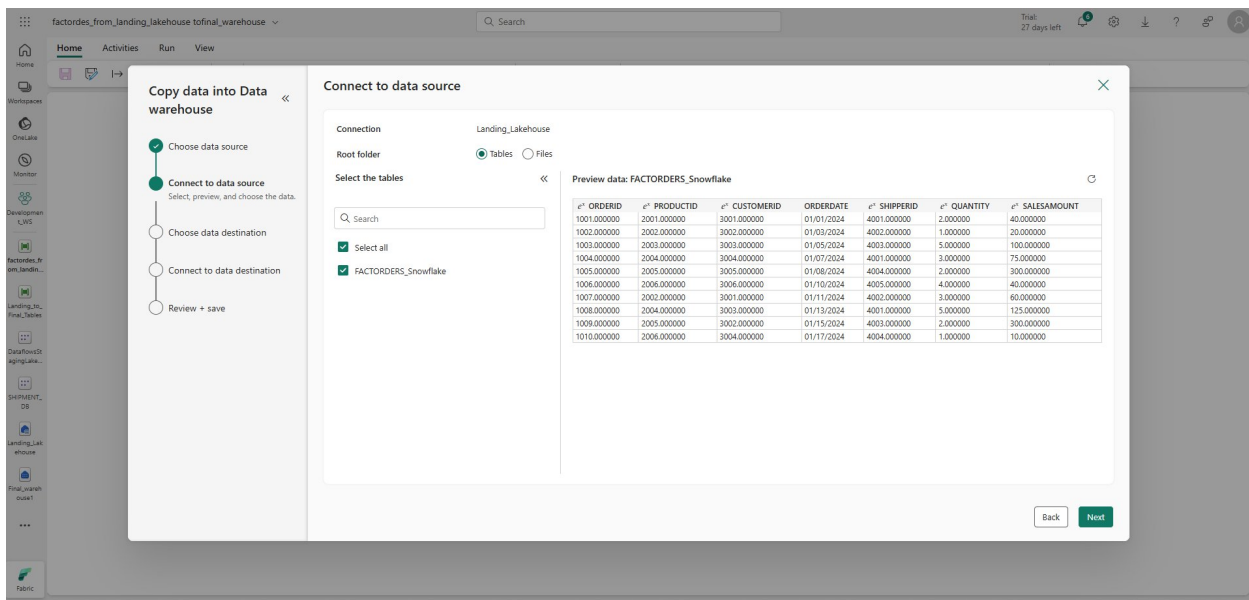


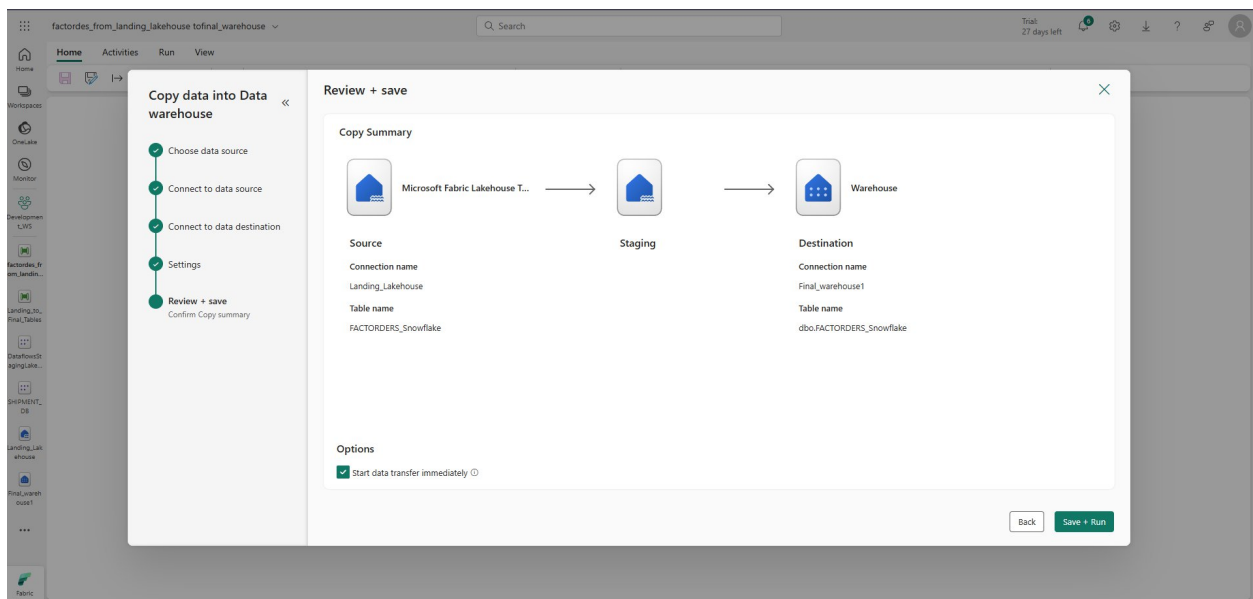
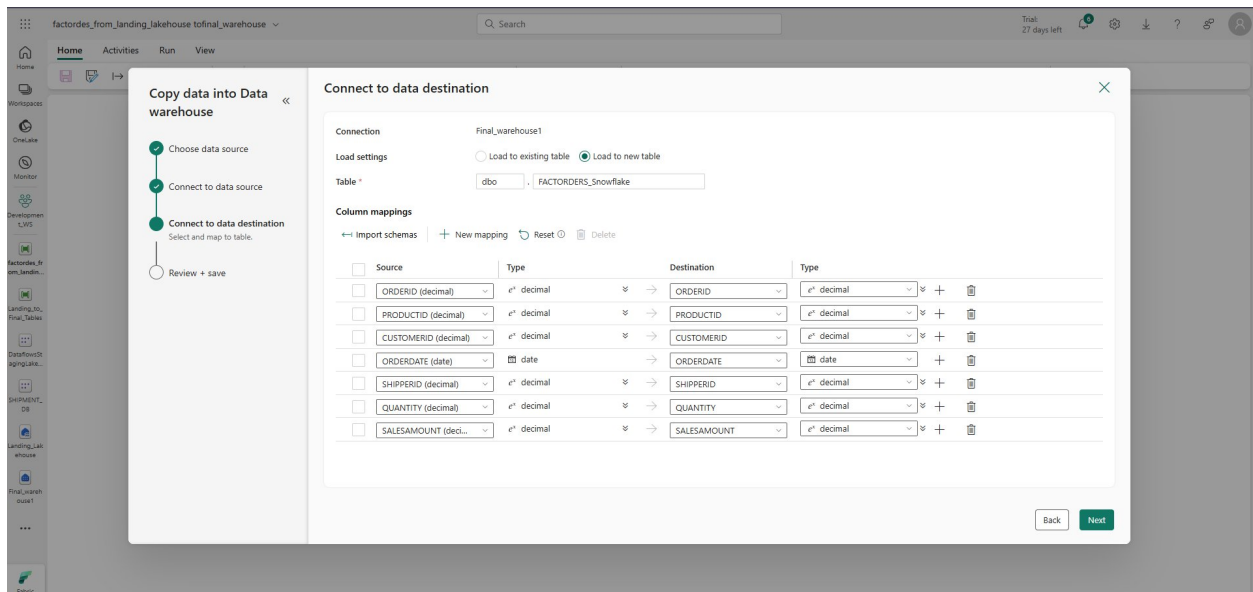
## 6. Landing Lakehouse to get the data here

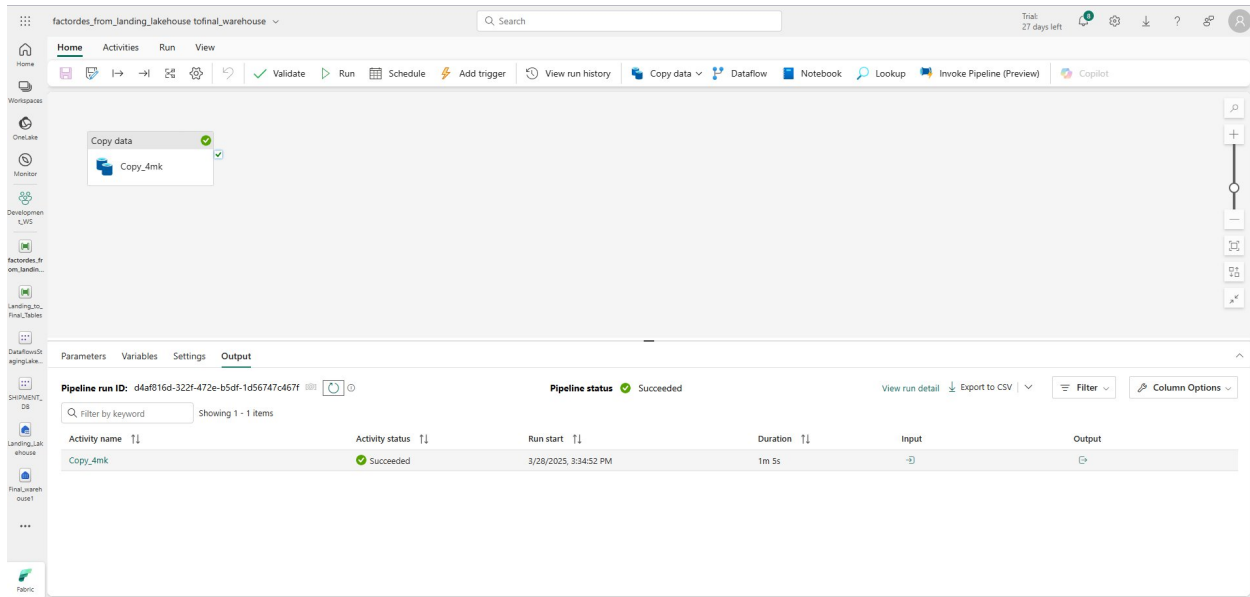




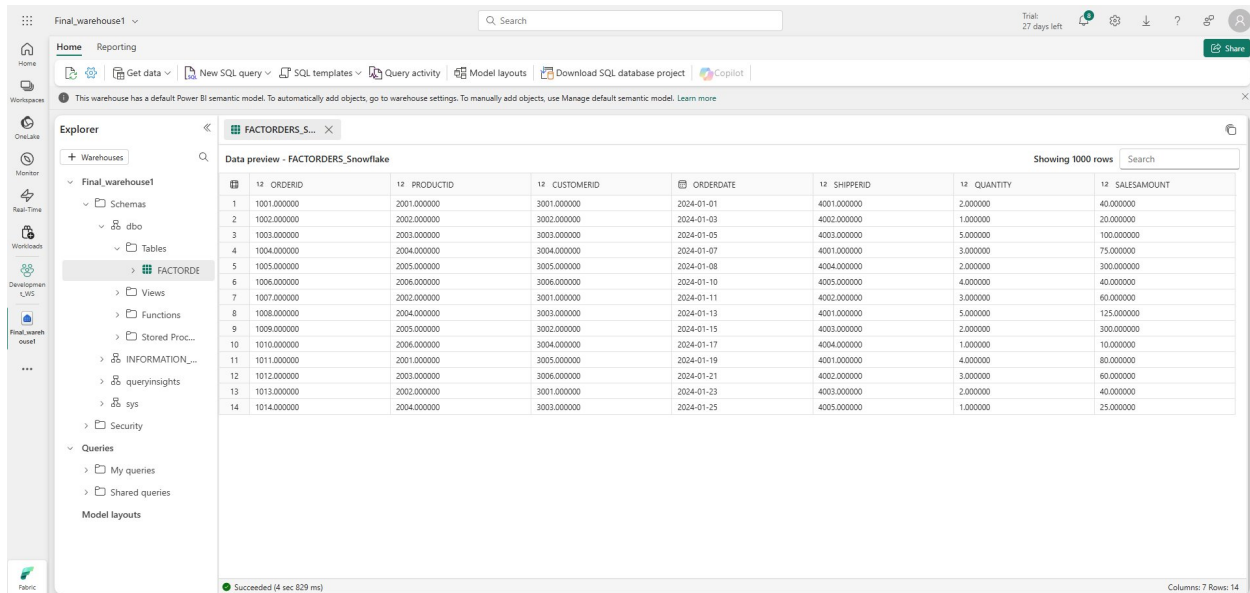
## 7. Land fact orders table to final warehouse into table



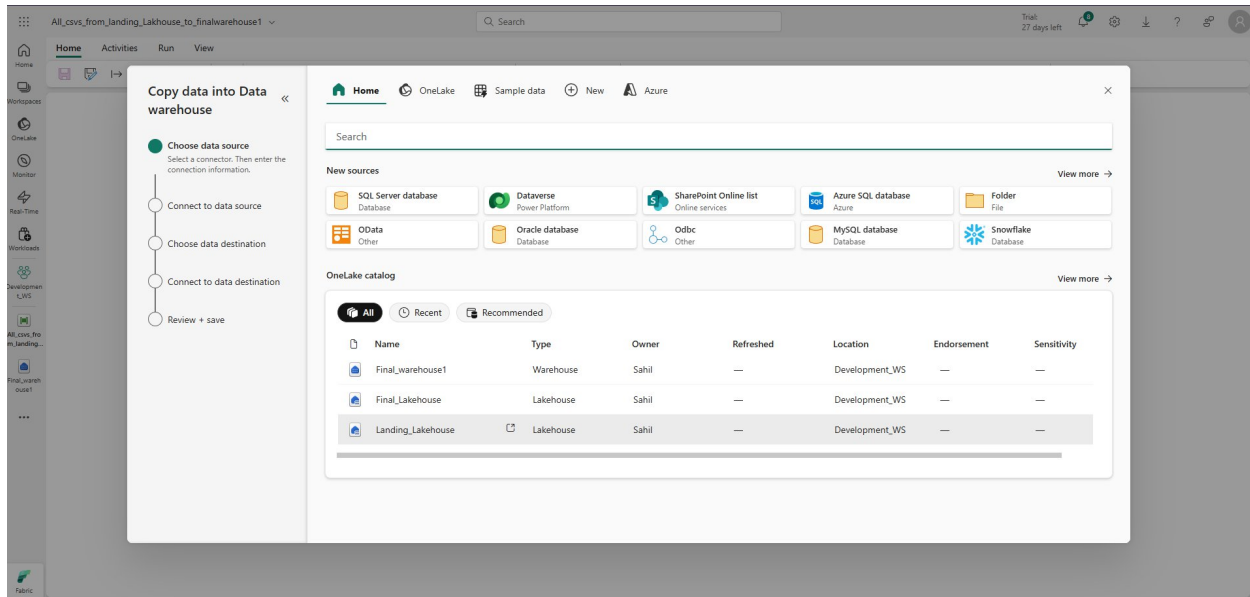




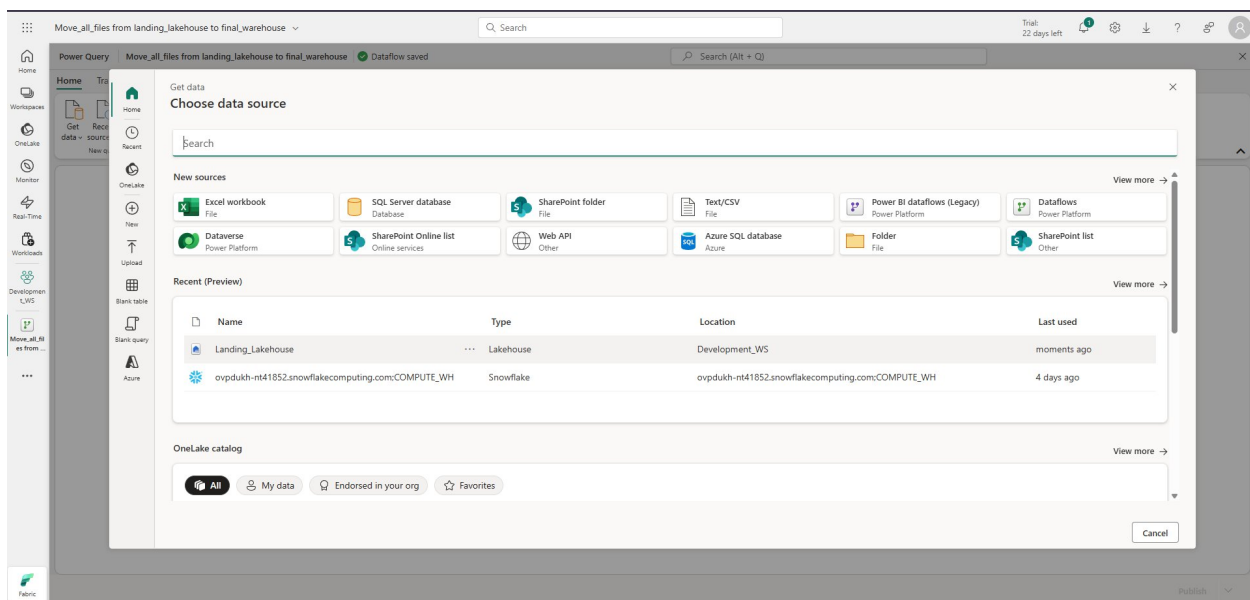
## 8. Now Factorder table is present in final warehouse



## 9. Now for all the csv's send from landing Lakehouse to final\_warehouse1

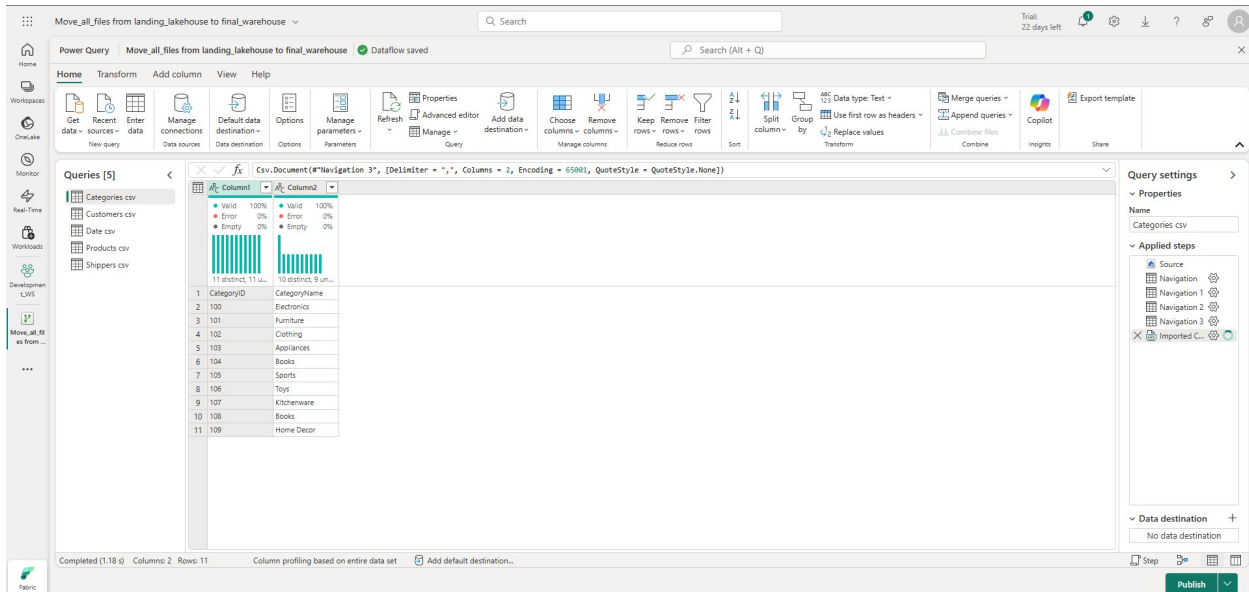


## 10. Data source choose

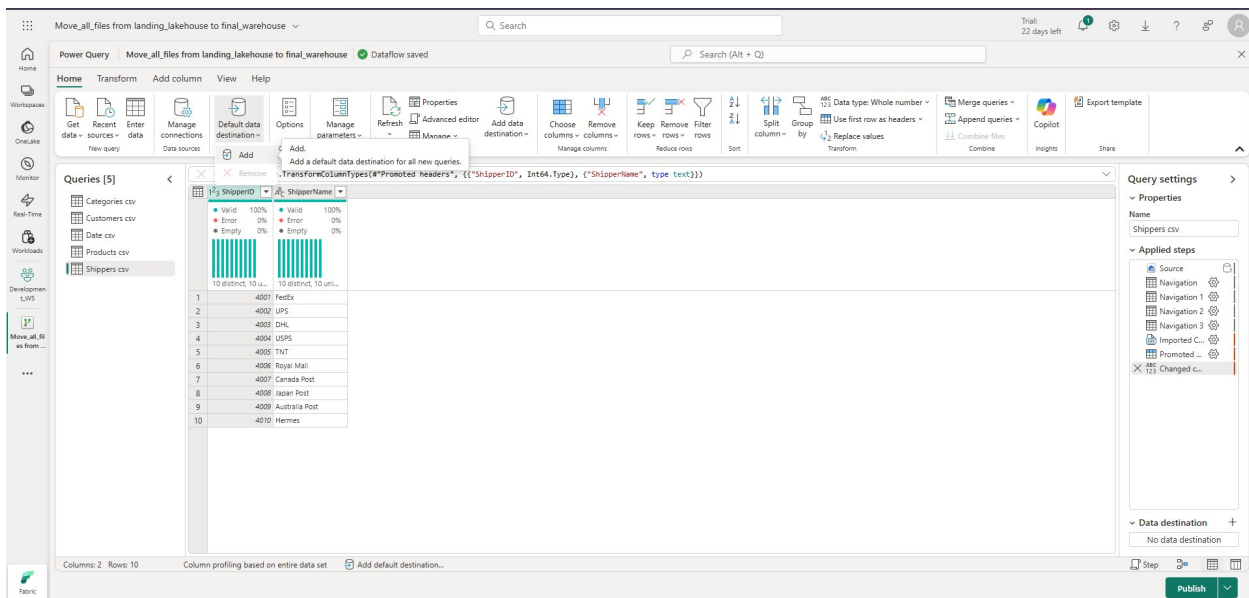


## 11. All files are now present in our dataflow

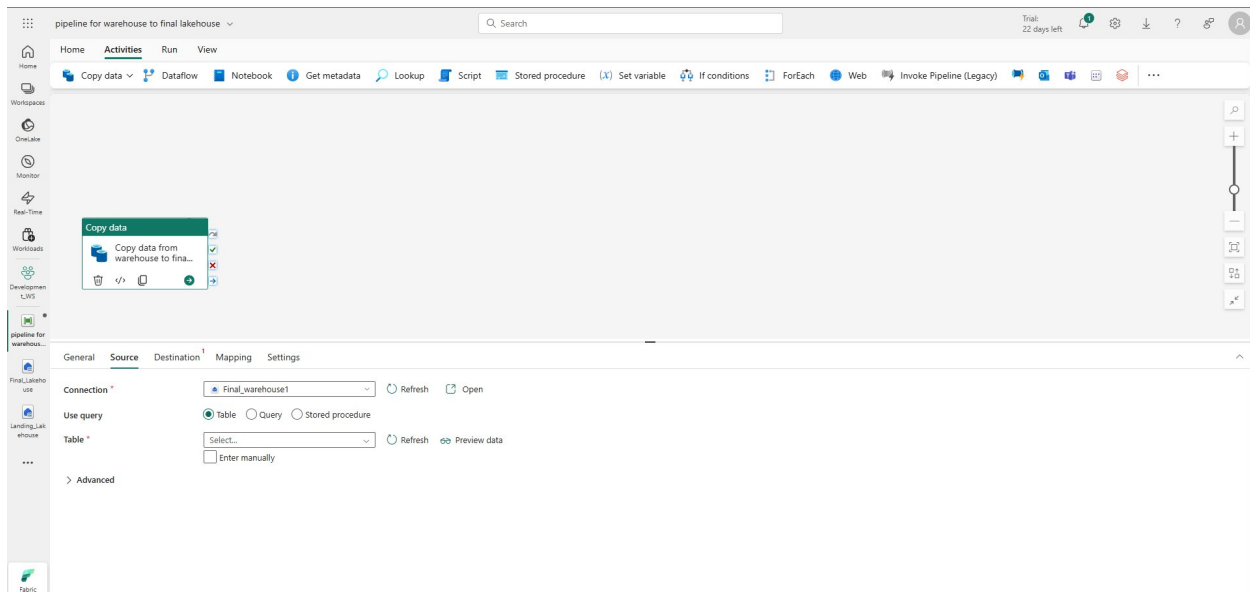
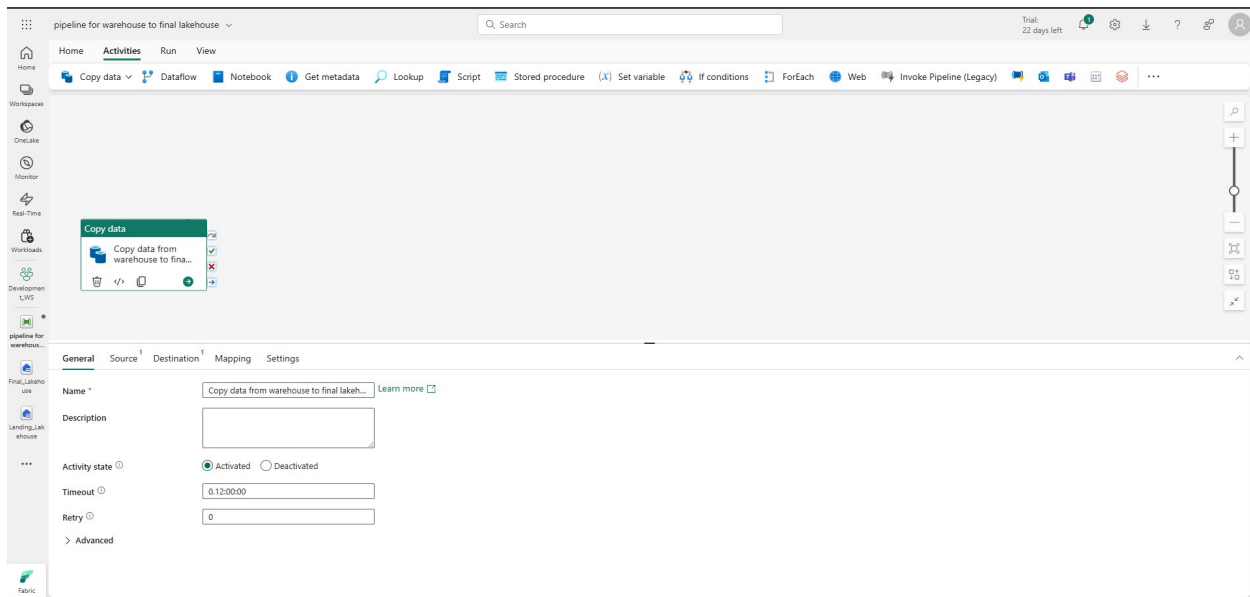




## 12.Add destination for final Lakehouse



## 13.From final warehouse to final Lakehouse



## 14. Pipeline completed

pipeline for warehouse to final lakehouse

Home Activities Run View

Copy data

Copy data from warehouse to fina...

Parameters Variables Settings Output

Pipeline run ID: 6db355d9-212e-46f8-bf26-a264ed3857e6 Pipeline status: Succeeded

View run detail Export to CSV Filter Column Options

Activity name Activity status Run start Duration Input Output

Copy data from warehouse to final lakehouse	Succeeded	4/2/2023, 2:16:11 PM	28s		
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## 15. Now all files are present in final Lakehouse

Final\_Lakehouse

Home

Get data New semantic model Open notebook Manage OneLake data access (preview)

Explorer

Search tables

Final\_Lakehouse

- Tables
  - Categories csv
  - Customers csv
  - Date csv
  - fact\_OREDRS\_SF
  - Products csv
  - Shippers csv
- Files

fact\_OREDRS\_SF

Showing 14 rows

	ORDERID	PRODUCTID	CUSTOMERID	ORDERDATE	SHIPPERID	QUANTITY	SALESAMOUNT
1	1001.000000	2001.000000	3001.000000	1/1/2024 12:00:00 AM	4001.000000	2.000000	40.000000
2	1002.000000	2002.000000	3002.000000	1/3/2024 12:00:00 AM	4002.000000	1.000000	20.000000
3	1003.000000	2003.000000	3003.000000	1/5/2024 12:00:00 AM	4003.000000	5.000000	100.000000
4	1004.000000	2004.000000	3004.000000	1/7/2024 12:00:00 AM	4001.000000	3.000000	75.000000
5	1005.000000	2005.000000	3005.000000	1/8/2024 12:00:00 AM	4004.000000	2.000000	300.000000
6	1006.000000	2006.000000	3006.000000	1/10/2024 12:00:00 AM	4005.000000	4.000000	40.000000
7	1007.000000	2002.000000	3001.000000	1/11/2024 12:00:00 AM	4002.000000	3.000000	60.000000
8	1008.000000	2004.000000	3003.000000	1/13/2024 12:00:00 AM	4001.000000	5.000000	125.000000
9	1009.000000	2005.000000	3002.000000	1/15/2024 12:00:00 AM	4003.000000	2.000000	300.000000
10	1010.000000	2006.000000	3004.000000	1/17/2024 12:00:00 AM	4004.000000	1.000000	10.000000
11	1011.000000	2001.000000	3005.000000	1/19/2024 12:00:00 AM	4001.000000	4.000000	80.000000
12	1012.000000	2003.000000	3006.000000	1/21/2024 12:00:00 AM	4002.000000	3.000000	60.000000
13	1013.000000	2002.000000	3001.000000	1/23/2024 12:00:00 AM	4003.000000	2.000000	40.000000
14	1014.000000	2004.000000	3003.000000	1/25/2024 12:00:00 AM	4005.000000	1.000000	25.000000

Succeeded (16 sec 195 ms)

Columns 7 Rows 14

fact\_OREDRS\_SF

	ORDERID	PRODUCTID	CUSTOMERID	ORDERDATE	SHIPPERID	QUANTITY	SALESAMOUNT
1	1001.000000	2001.000000	3001.000000	1/1/2024 12:00:00 AM	4001.000000	2.000000	40.000000
2	1002.000000	2002.000000	3002.000000	1/3/2024 12:00:00 AM	4002.000000	1.000000	20.000000
3	1003.000000	2003.000000	3003.000000	1/5/2024 12:00:00 AM	4003.000000	5.000000	100.000000
4	1004.000000	2004.000000	3004.000000	1/7/2024 12:00:00 AM	4001.000000	3.000000	75.000000
5	1005.000000	2005.000000	3005.000000	1/8/2024 12:00:00 AM	4004.000000	2.000000	300.000000
6	1006.000000	2006.000000	3006.000000	1/10/2024 12:00:00 AM	4005.000000	4.000000	40.000000
7	1007.000000	2002.000000	3001.000000	1/11/2024 12:00:00 AM	4002.000000	3.000000	60.000000
8	1008.000000	2004.000000	3003.000000	1/13/2024 12:00:00 AM	4001.000000	5.000000	125.000000
9	1009.000000	2005.000000	3002.000000	1/15/2024 12:00:00 AM	4003.000000	2.000000	300.000000
10	1010.000000	2006.000000	3004.000000	1/17/2024 12:00:00 AM	4004.000000	1.000000	10.000000
11	1011.000000	2001.000000	3005.000000	1/19/2024 12:00:00 AM	4001.000000	4.000000	80.000000
12	1012.000000	2003.000000	3006.000000	1/21/2024 12:00:00 AM	4002.000000	3.000000	60.000000
13	1013.000000	2002.000000	3001.000000	1/23/2024 12:00:00 AM	4003.000000	2.000000	40.000000
14	1014.000000	2004.000000	3003.000000	1/25/2024 12:00:00 AM	4005.000000	1.000000	25.000000

**SQL analytics endpoint is for those where end users are exposed and can write queries**

**DML operations are not supported here, it's just to read your data you don't give Lakehouse access, just give the SQL analytics endpoint's access**

## 16. Now creating the report

New semantic model

Direct Lake semantic model name \*

A semantic model will be created in the chosen workspace with the selected tables in Direct Lake storage mode. You can then live edit the semantic model.

supply-chain\_model

Workspace

Only workspaces in a Fabric capacity are shown.

Development\_WS

Select or deselect tables for the semantic model.

Select all

dbo

Categories csv

Customers csv

Date csv

fact\_OREDRS\_SF

Products csv

Shippers csv

Confirm Cancel

