https://aka.ms/sqlfabricdemo

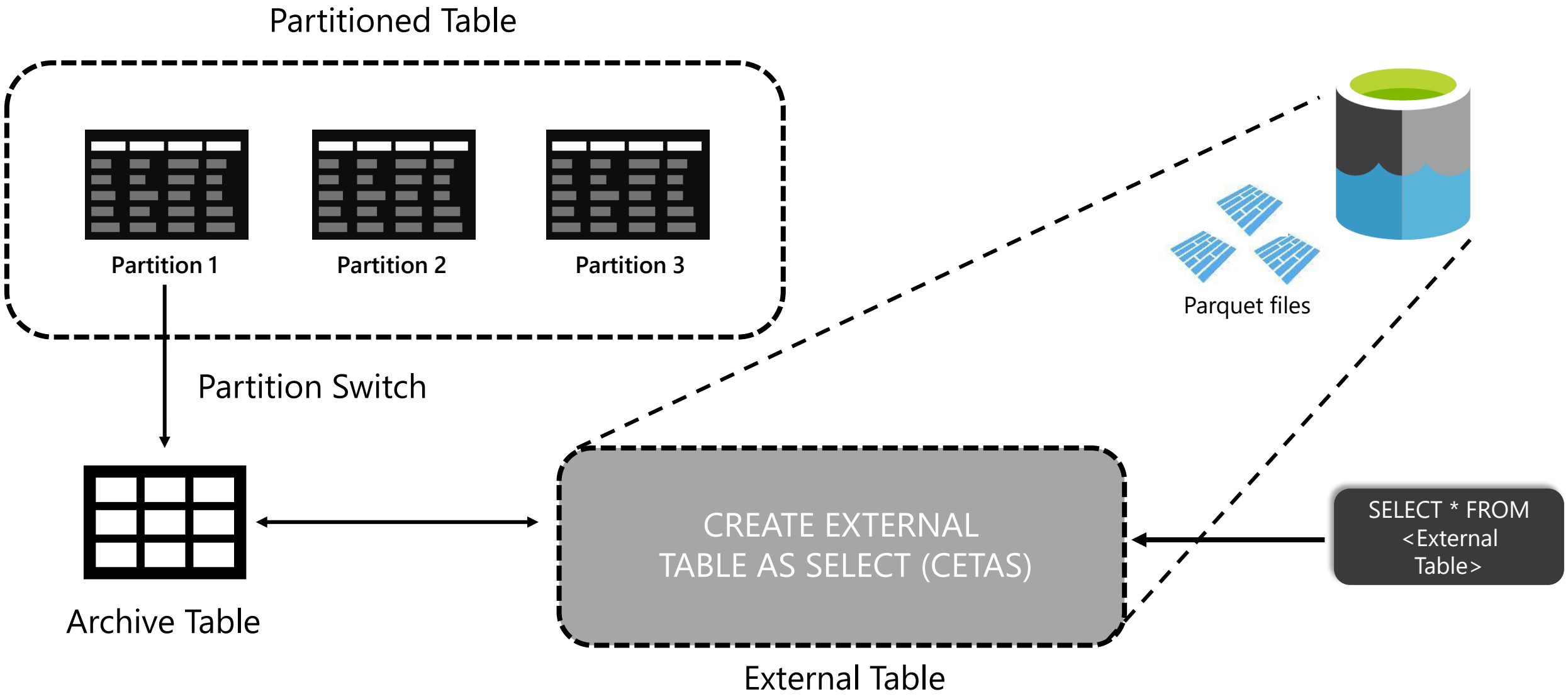
Microsoft

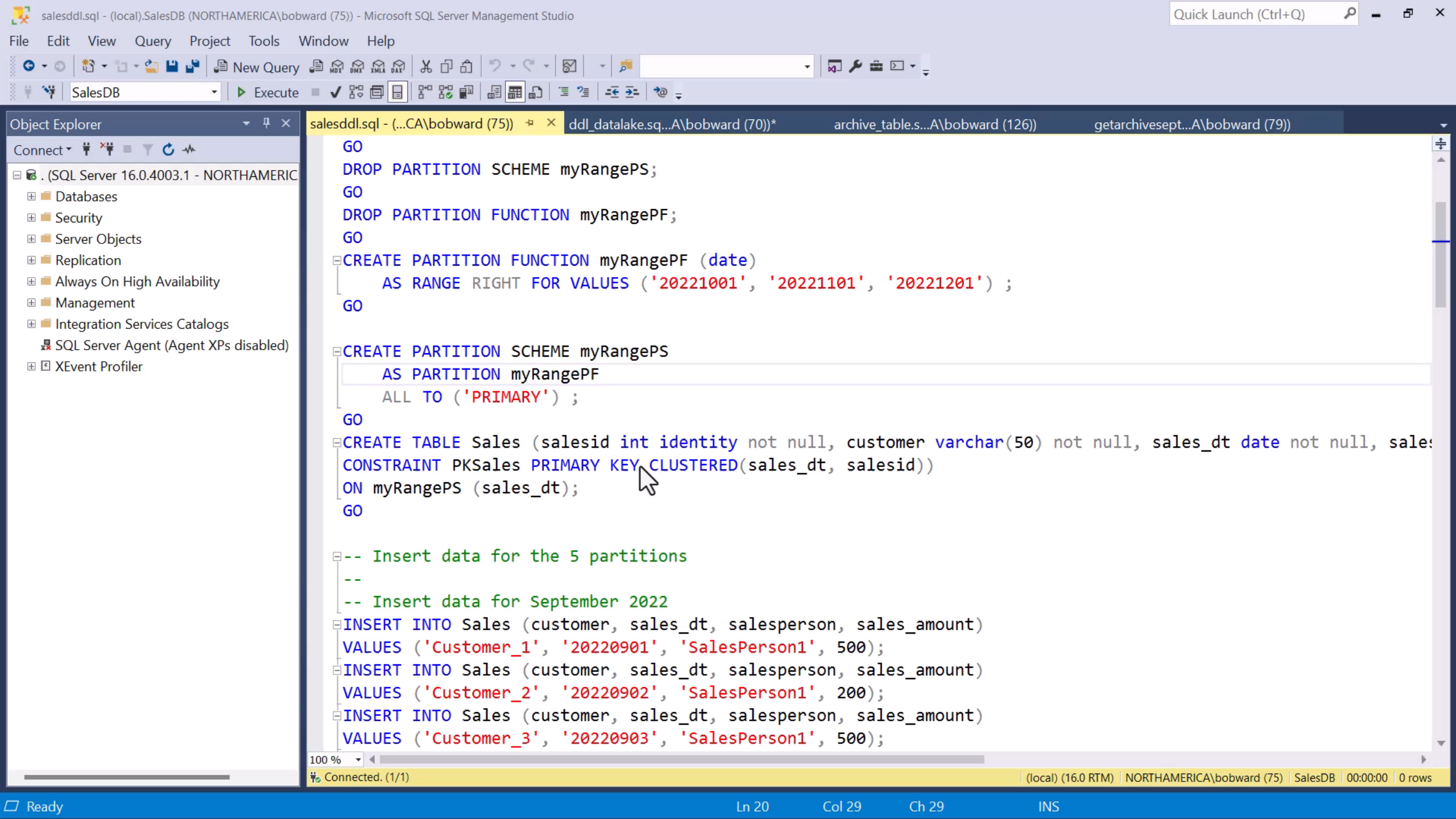
Microsoft SQL, Data Virtualization, and the Microsoft Fabric

Microsoft Azure Data

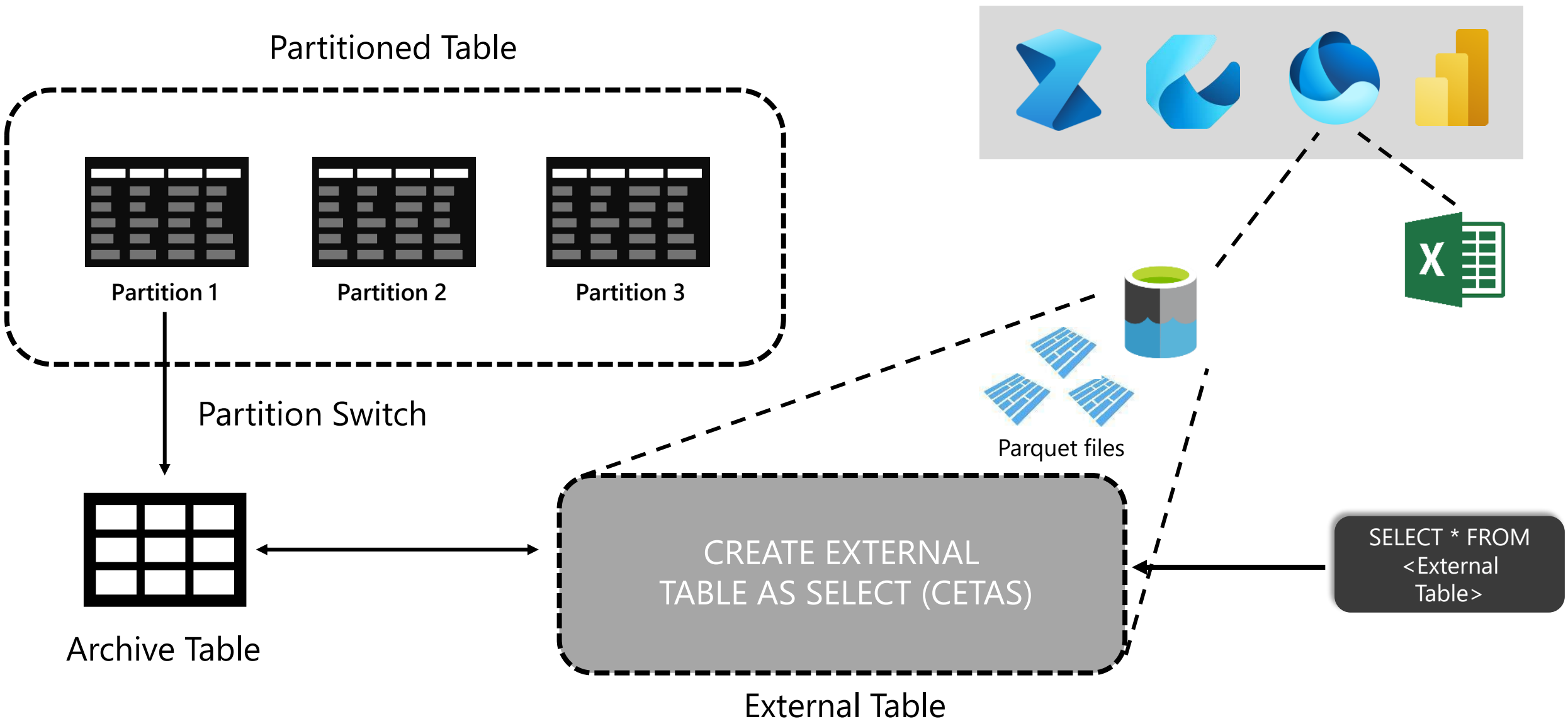
#sqlserver2022
#microsoftfabric
#azuresql

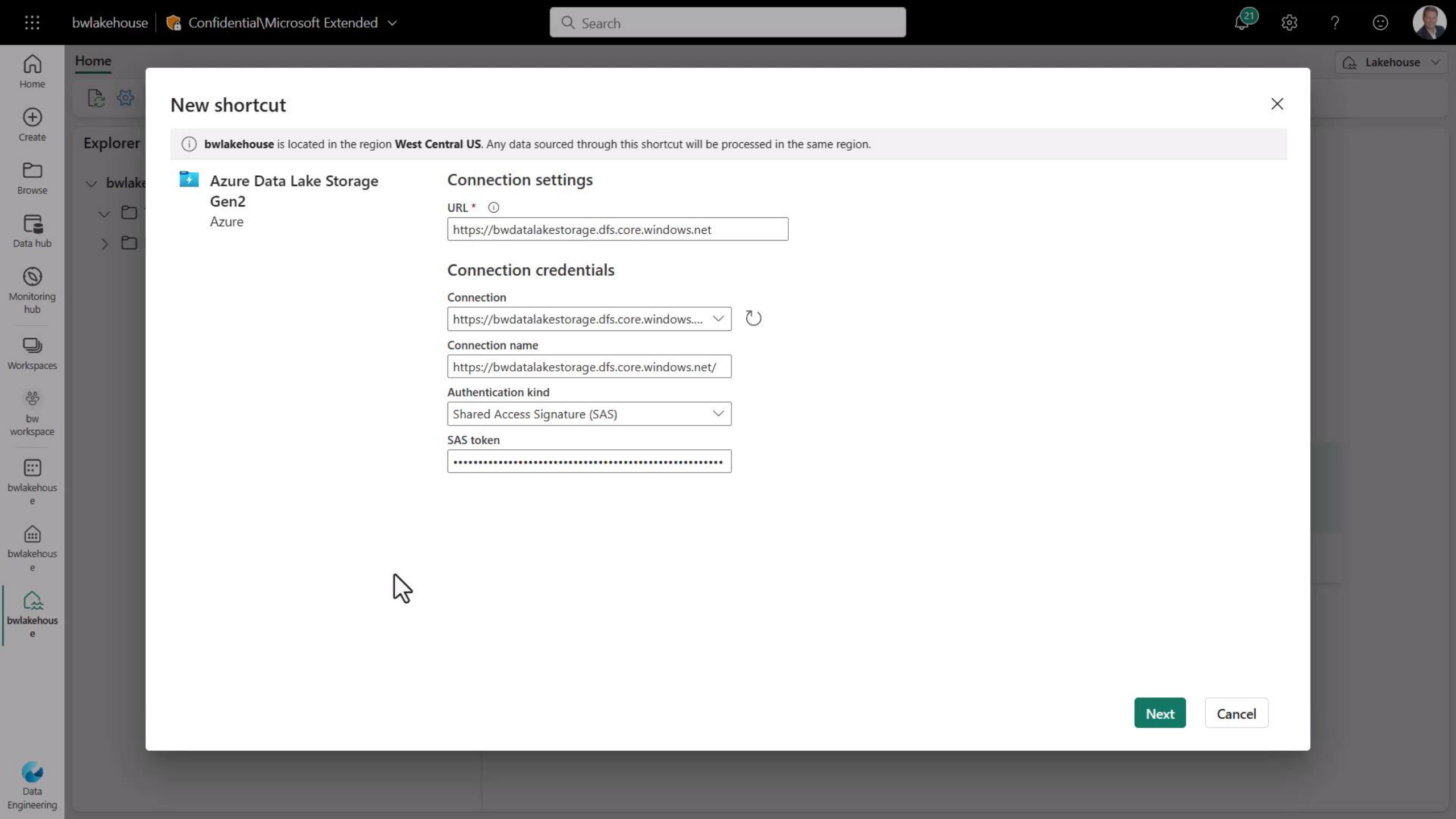
Archiving cold data to a lake - CETAS

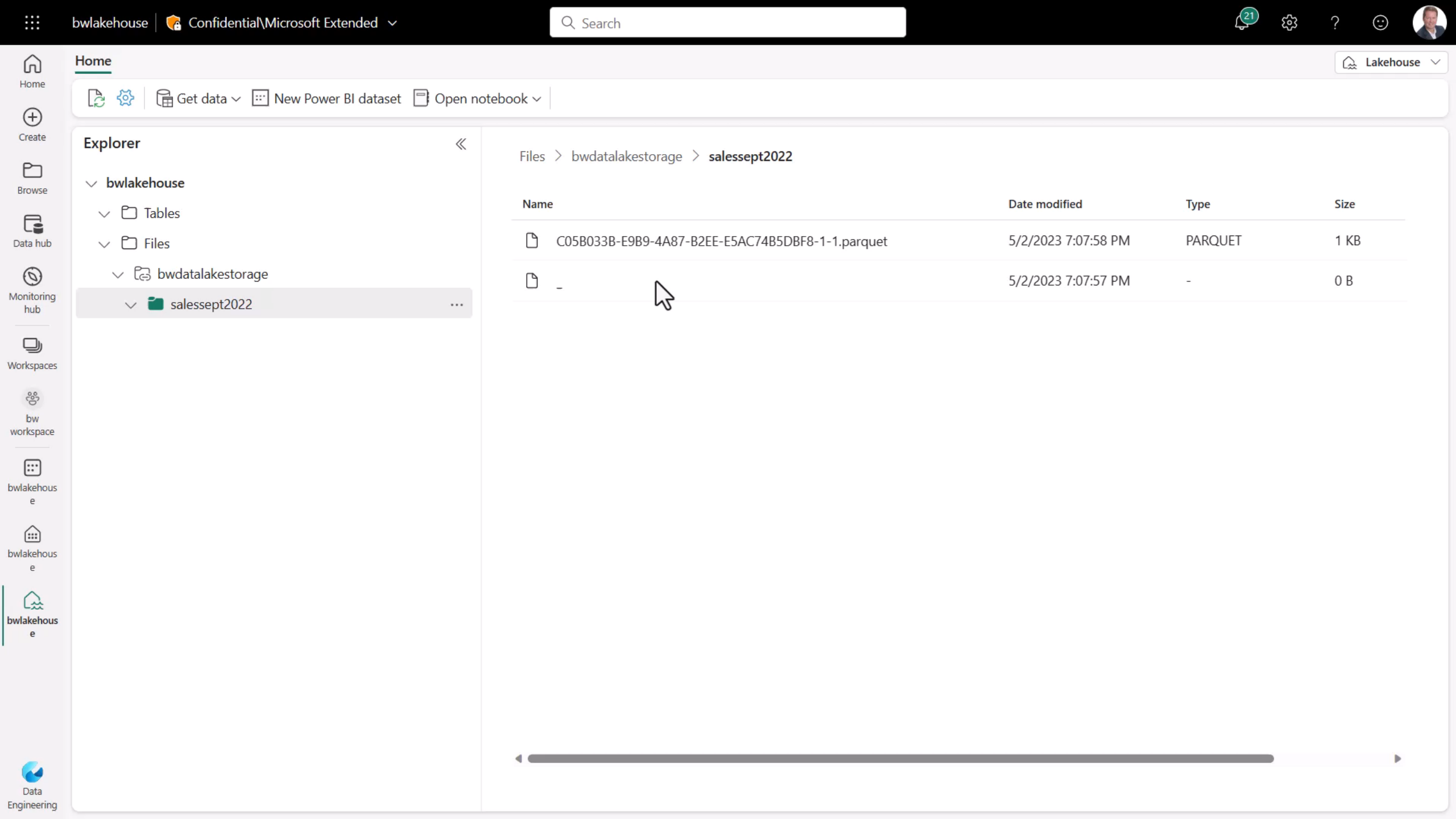



salesddl.sql - (local).SalesDB (NORTHAMERICA\bobward (75)) - Microsoft SQL Server Management Studio
Quick Launch (Ctrl+Q)
File Edit View Query Project Tools Window Help
New Query
SalesDB
Execute
Object Explorer
Connect
. (SQL Server 16.0.4003.1 - NORTHAMERIC
Databases
Security
Server Objects
Replication
Always On High Availability
Management
Integration Services Catalogs
SQL Server Agent (Agent XPs disabled)
XEvent Profiler
salesddl.sql - (...CA\bobward (75))
ddl_datalake.sq...A\bobward (70))*
archive_table.s...A\bobward (126))
getarchivesept...A\bobward (79))
GO
DROP PARTITION SCHEME myRangePS;
GO
DROP PARTITION FUNCTION myRangePF;
GO
CREATE PARTITION FUNCTION myRangePF (date)
AS RANGE RIGHT FOR VALUES ('20221001', '20221101', '20221201') ;
GO
CREATE PARTITION SCHEME myRangePS
AS PARTITION myRangePF
ALL TO ('PRIMARY') ;
GO
CREATE TABLE Sales (salesid int identity not null, customer varchar(50) not null, sales_dt date not null, sale
CONSTRAINT PKSales PRIMARY KEY CLUSTERED(sales_dt, salesid))
ON myRangePS (sales_dt);
GO
-- Insert data for the 5 partitions
--
-- Insert data for September 2022
INSERT INTO Sales (customer, sales_dt, salesperson, sales_amount)
VALUES ('Customer_1', '20220901', 'SalesPerson1', 500);
INSERT INTO Sales (customer, sales_dt, salesperson, sales_amount)
VALUES ('Customer_2', '20220902', 'SalesPerson1', 200);
INSERT INTO Sales (customer, sales_dt, salesperson, sales_amount)
VALUES ('Customer_3', '20220903', 'SalesPerson1', 500);
100 %
Connected. (1/1)
(local) (16.0 RTM) NORTHAMERICA\bobward (75) SalesDB 00:00:00 0 rows
Ready
Ln 20 Col 29 Ch 29 INS

Integrating SQL with Microsoft Fabric




bwlakehouse
Confidential\Microsoft Extended
Search
Home
Create
Browse
Data hub
Monitoring hub
Workspaces
bw workspace
bwlakehouse
bwlakehouse
bwlakehouse
Data Engineering
Lakehouse
Explorer
New shortcut
bwlakehouse is located in the region West Central US. Any data sourced through this shortcut will be processed in the same region.
Azure Data Lake Storage Gen2
Azure
Connection settings
URL *
https://bwdatalakestorage.dfs.core.windows.net
Connection credentials
Connection
https://bwdatalakestorage.dfs.core.windows....
Connection name
https://bwdatalakestorage.dfs.core.windows.net/
Authentication kind
Shared Access Signature (SAS)
SAS token
Next
Cancel


bwlakehouse
Confidential\Microsoft Extended
Search
21
Home
Lakehouse
Get data
New Power BI dataset
Open notebook
Explorer
bwlakehouse
Tables
Files
bwdatalakestorage
salessept2022
Files > bwdatalakestorage > salessept2022
Name
Date modified
Type
Size
C05B033B-E9B9-4A87-B2EE-E5AC74B5DBF8-1-1.parquet
5/2/2023 7:07:58 PM
PARQUET
1 KB
_
5/2/2023 7:07:57 PM
-
0 B
Home
Create
Browse
Data hub
Monitoring hub
Workspaces
bw workspace
bwlakehouse
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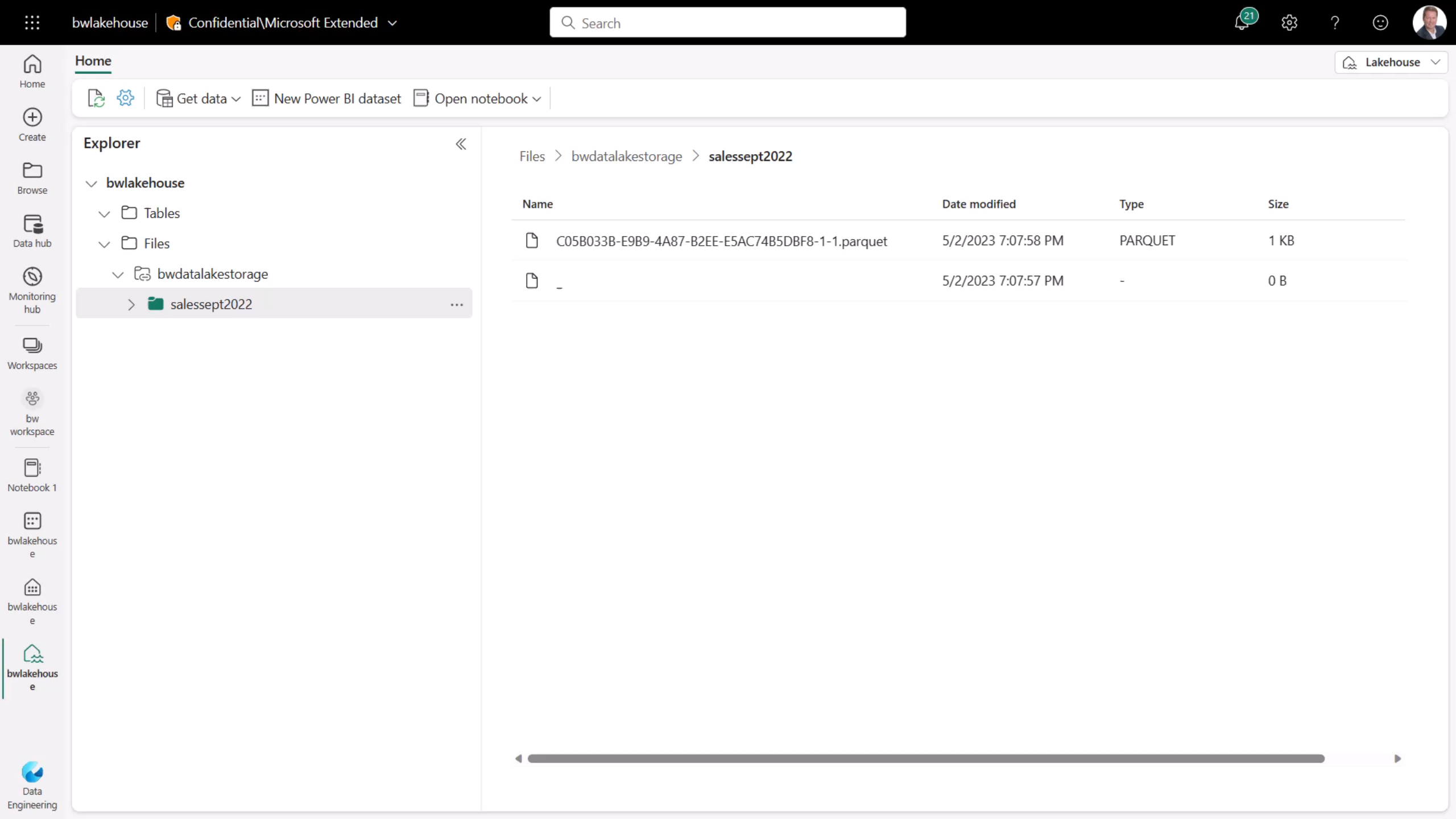
Data Engineering


bwlakehouse
Confidential\Microsoft Extended
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21
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salessept2022
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-
0 B
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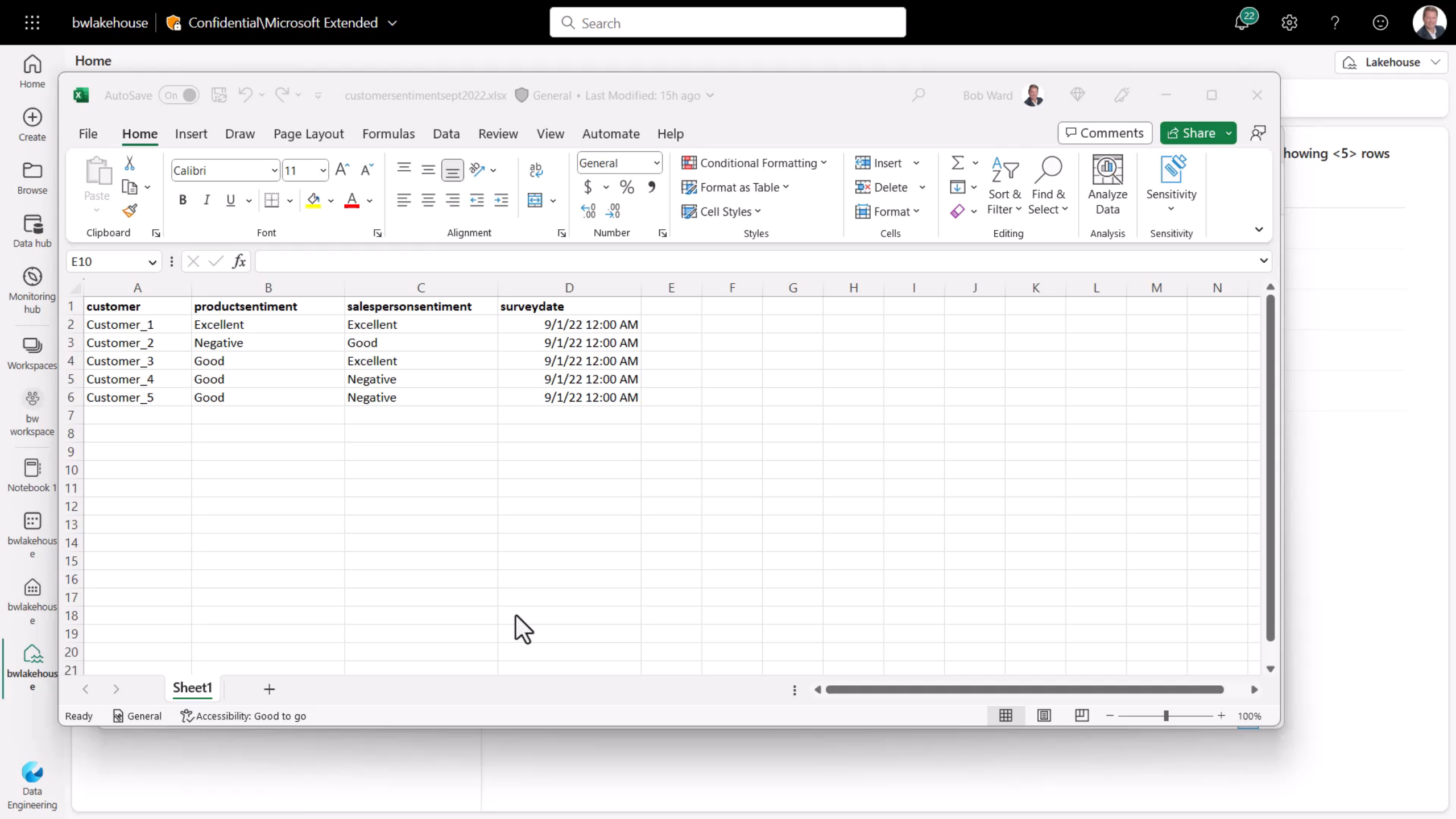
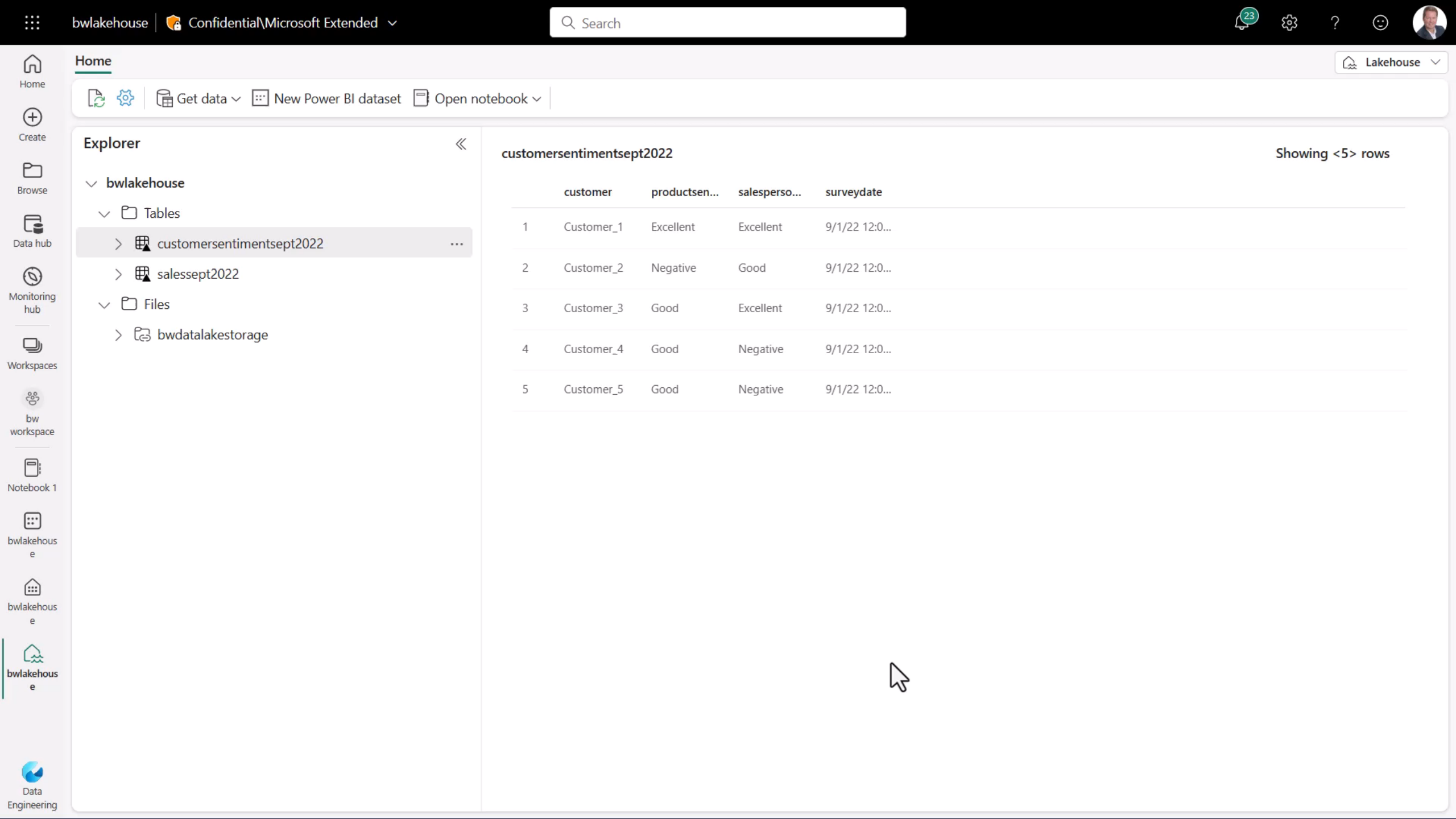
Notebook 1
bwlakehouse
bwlakehouse
bwlakehouse
Data Engineering


bwlakehouse
Confidential\Microsoft Extended
Search
Home
Lakehouse
customersentimentsept2022.xlsx
General • Last Modified: 15h ago
Bob Ward
File Home Insert Draw Page Layout Formulas Data Review View Automate Help
Comments
Share
Calibri
11
General
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
Find & Select
Analyze Data
Sensitivity
Clipboard
Font
Alignment
Number
Styles
Cells
Editing
Analysis
Sensitivity
E10
customer productsentiment salespersonsentiment surveydate
Customer_1 Excellent Excellent 9/1/22 12:00 AM
Customer_2 Negative Good 9/1/22 12:00 AM
Customer_3 Good Excellent 9/1/22 12:00 AM
Customer_4 Good Negative 9/1/22 12:00 AM
Customer_5 Good Negative 9/1/22 12:00 AM
Sheet1
Ready
General
Accessibility: Good to go
100%
Home
Create
Browse
Data hub
Monitoring hub
Workspaces
bw workspace
Notebook 1
bwlakehouse
bwlakehouse
bwlakehouse
Data Engineering
showing <5> rows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Get data
New Power BI dataset
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Tables
customersentimentsept2022
salessept2022
Files
bwdatalakestorage
customersentimentsept2022
Showing <5> rows
customer
productsen...
salesperso...
surveydate
1 Customer_1 Excellent Excellent 9/1/22 12:0...
2 Customer_2 Negative Good 9/1/22 12:0...
3 Customer_3 Good Excellent 9/1/22 12:0...
4 Customer_4 Good Negative 9/1/22 12:0...
5 Customer_5 Good Negative 9/1/22 12:0...
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bwlakehouse
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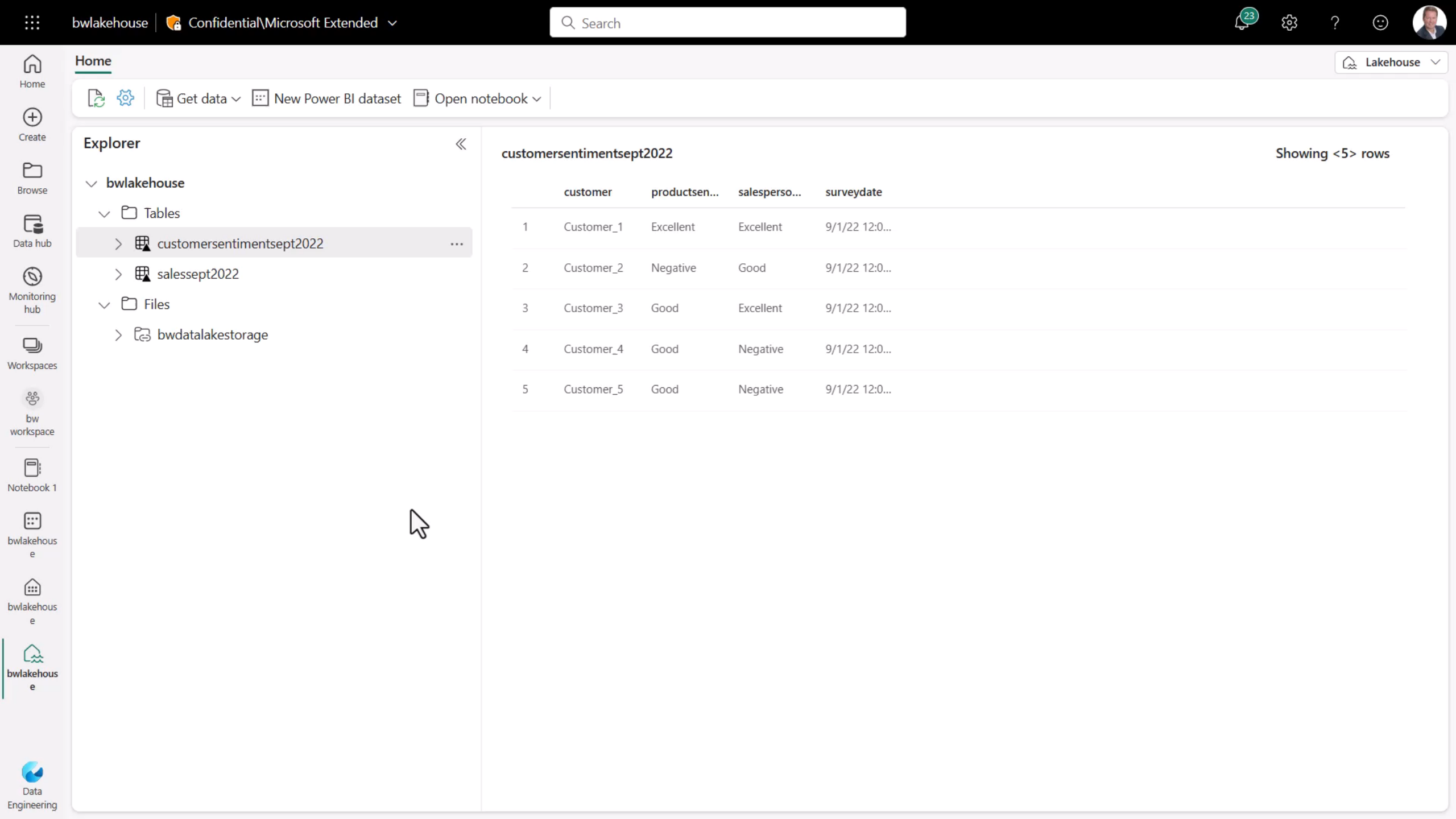
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Confidential\Microsoft Extended
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New Power BI dataset
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salessept2022
Files
bwdatalakestorage
customersentimentsept2022
Showing <5> rows
customer
productsen...
salesperso...
surveydate
1 Customer_1 Excellent Excellent 9/1/22 12:0...
2 Customer_2 Negative Good 9/1/22 12:0...
3 Customer_3 Good Excellent 9/1/22 12:0...
4 Customer_4 Good Negative 9/1/22 12:0...
5 Customer_5 Good Negative 9/1/22 12:0...
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