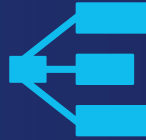




ER/STUDIO

An Idera, Inc. Company



Connecting ER/Studio Data Architect

to



Microsoft Fabric SQL Data Warehouse



INTRODUCTION

This guide walks you through the steps to connect ER/Studio Data Architect to a Microsoft Fabric SQL Data Warehouse using the Azure Synapse Analytics data source.

Prerequisites

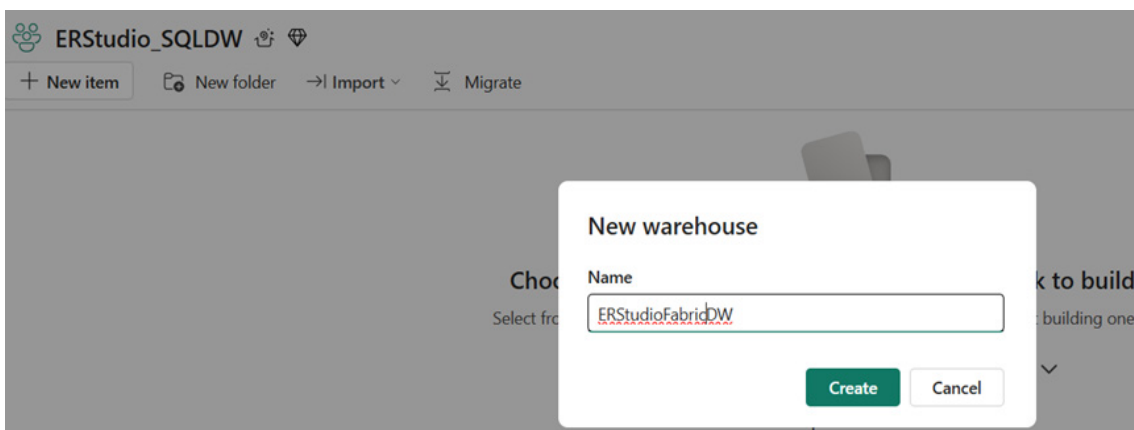
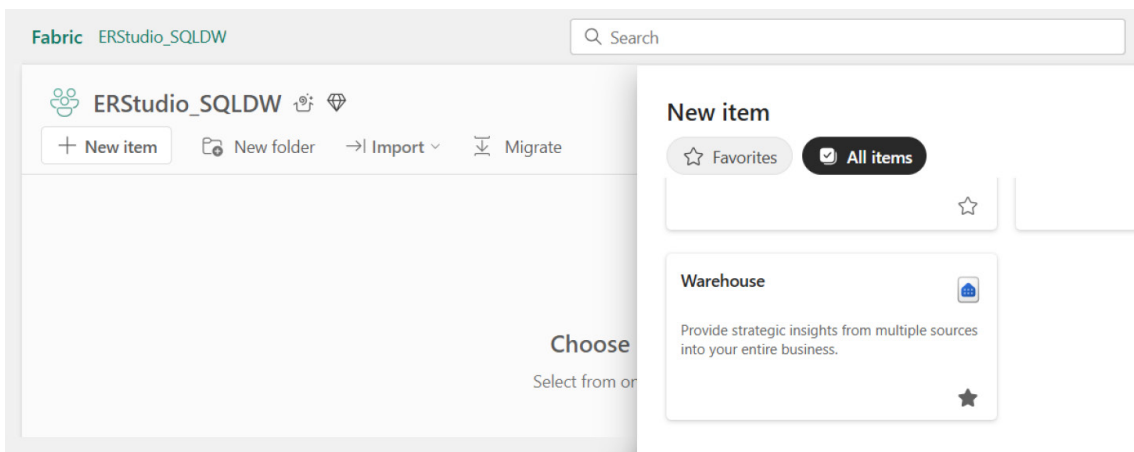
- ER/Studio Data Architect installed.
- Access to Microsoft Fabric with an existing SQL Data Warehouse.
- SQL Server Native Client installed (for TLS 1.2 compatibility).
- Connection string for your Microsoft Fabric SQL Data Warehouse.

Note: While MS Fabric Datawarehouse is not an officially supported platform as yet, ER/Studio's existing Azure Synapse Analytics Driver can be used to connect.

STEP 1

Retrieve the SQL Connection String from Microsoft Fabric

1. **Log in** to the [Microsoft Fabric portal] (<https://app.fabric.microsoft.com>).
2. **Navigate** to your workspace and locate the SQL Data Warehouse.
3. **Click** the ellipsis (...) next to the database name and select Settings.
4. **Under Connection strings**, copy the SQL analytics endpoint string.



Choose Sample Data once provisioned

The screenshot shows the Microsoft Fabric Explorer interface. On the left, the 'Explorer' pane shows a tree view with 'Warehouses' expanded, showing 'ERStudioFabricDW' with sub-items 'Schemas', 'Security', 'Queries' (containing 'My queries' and 'Shared queries'), and 'Model layouts'. The main area is titled 'Build a warehouse' and contains a section 'Start getting data' with three cards:

- New Dataflow Gen2**: Ingest and transform data with a low-code interface.
- New data pipeline**: Ingest data at scale and schedule data workflows.
- Sample data**: Automatically load sample data in your warehouse.

At the bottom right, there is a link: 'Need help? [Learn more](#)'.

Loading sample warehouse

- ✓ Creating warehouse
- ✓ Creating tables
- Copying data
- Wrapping up

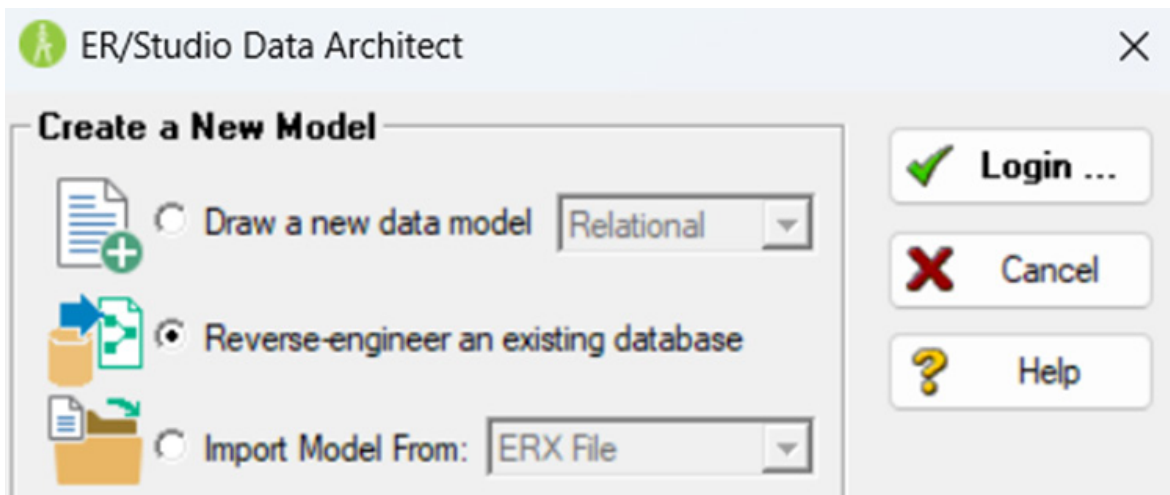
Once complete collect the SQL End point for this from the Top Left of the Warehouse name and click Show More. Copy the SQL Endpoint and save it for the next step

The screenshot shows the details for the 'ERStudioFabricDW' warehouse. The top bar shows the warehouse name and a close button. Below, there is a list of tabs: 'About', 'Endorsement', 'SQL endpoint' (selected), 'Copilot', 'Default Power BI Semantic Model', and 'Restore points'. The 'SQL endpoint' tab is active, showing the 'SQL connection string' section with the text: 'Copy this string and use it to connect externally to the item from Power BI desktop or client tools.' Below this is a text box containing the connection string: 'aajjrbaea4we5ax7ykelkg6aci-mwi7glzm2ijunfohpumpfsdba.datawarehouse.fabric.micr...'. A copy icon is visible to the right of the text box.

STEP 2

Launch ER/Studio Data Architect

1. Open ER/Studio Data Architect.
2. From the top menu, go to
File > New > Reverse Engineer an Existing Database.

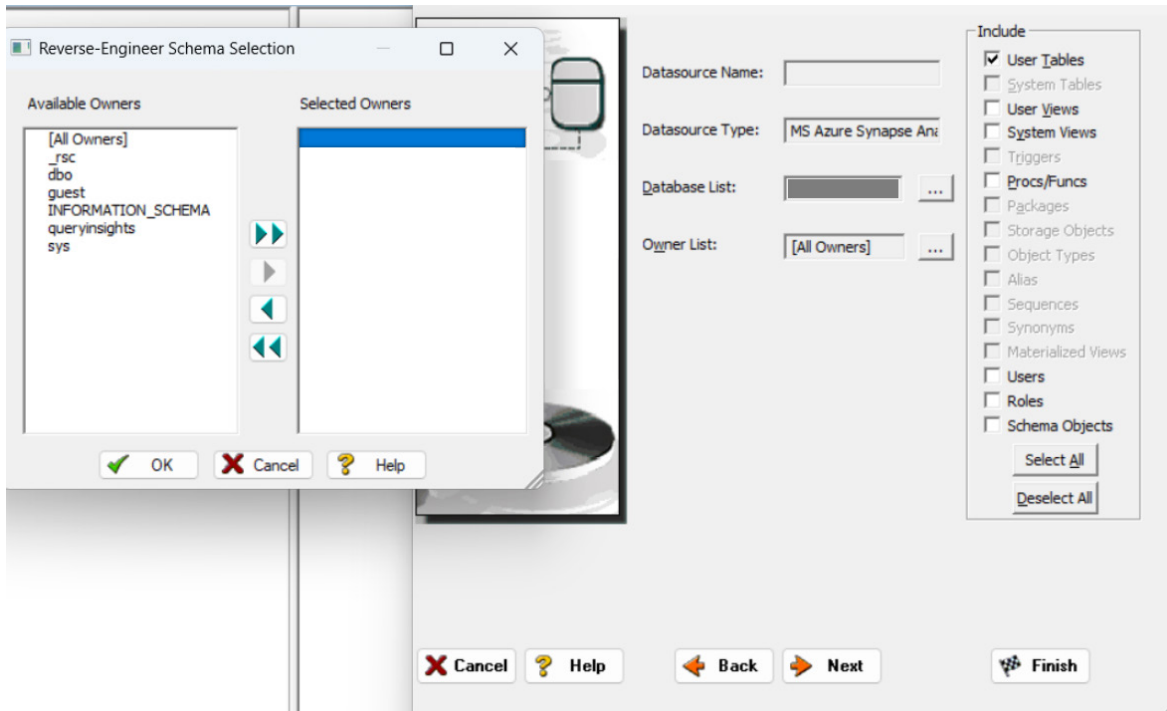


STEP 3

Configure the Database Connection

1. In the Reverse Engineer Wizard, select Azure Synapse Analytics as the data-base platform.
2. Choose Native Connection.
3. Enter the following details:

- Server Name: Paste the Fabric SQL endpoint (e.g., yourserver.fabric.microsoft.com)
- Authentication: Choose SQL Server Authentication or Microsoft Entra ID (if supported).
- Database Name: Enter the name of your Fabric SQL Data Warehouse.



NOTE: We only support dbo schemas at this time. The Screenshot is for illustration purposes only

STEP 4

Test the Connection

1. Click Next to verify connectivity.
2. If successful, click Next to proceed.

Authentication complete. You can return to the application.

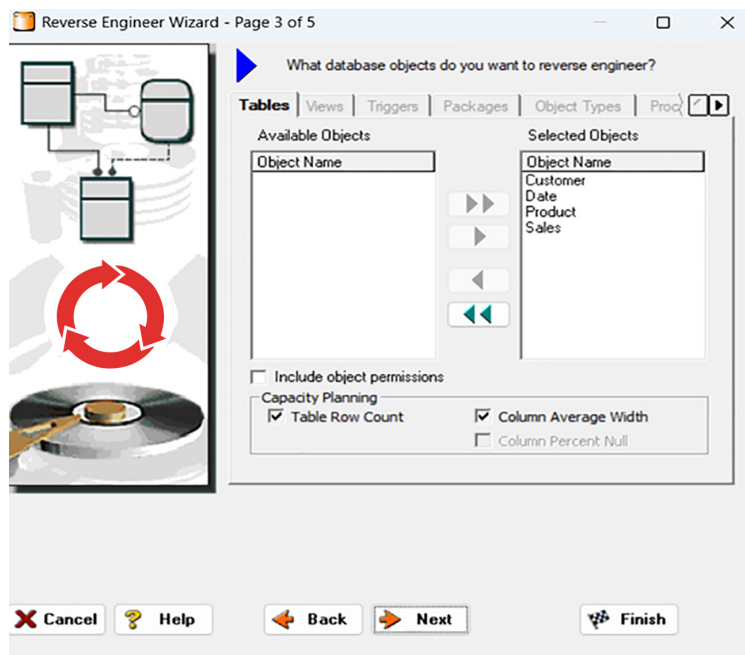
Feel free to close this browser tab.



STEP 5

Select Objects to Reverse Engineer

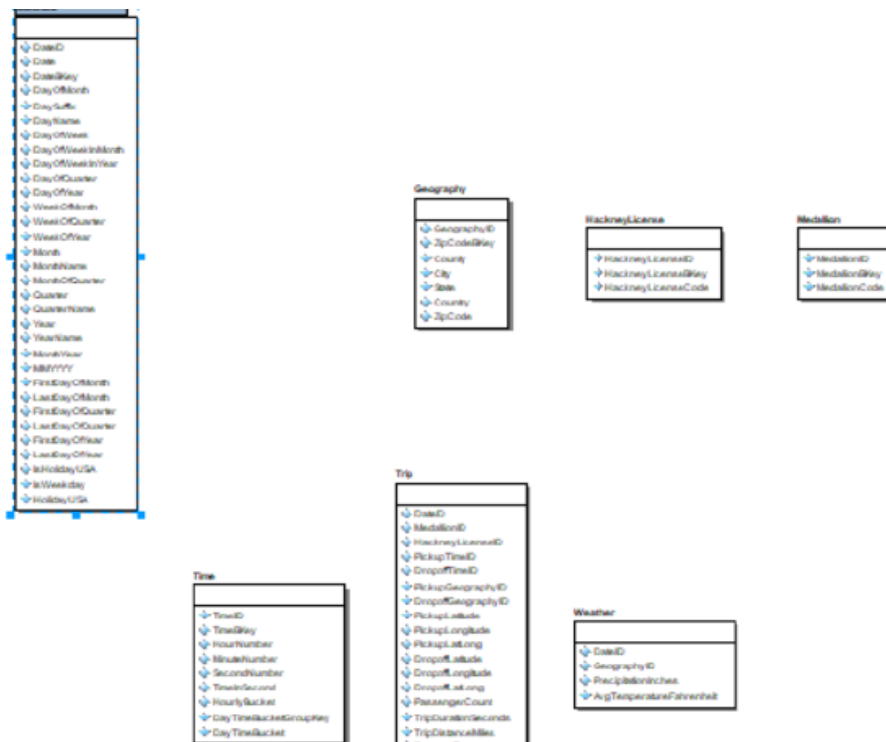
1. Choose the database objects (tables, views, procedures) you want to import.
2. Click **Next** and then **Finish**.



STEP 6

Review and Save the Data Model

1. ER/Studio will generate the data model from your Fabric SQL Data Warehouse.
2. Save the model for further design or documentation.



WELL DONE!

You've successfully connected **ER/Studio Data Architect** to your **Microsoft Fabric Data Warehouse**. This achievement opens the door to advanced data modeling, lineage tracking, and architectural insights across your enterprise data landscape.

With this connection in place, you're now equipped to reverse engineer your warehouse schema, document your data assets, and drive data governance and design excellence — all from a single, unified platform.

Keep building, exploring, and shaping the future of your data architecture!



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Aligning complex data environments with business goals for over 30 years.