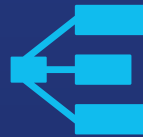




ER/STUDIO

An Idera, Inc. Company



Connecting ER/Studio Data Architect

to



Microsoft Fabric SQL Database



Step-by-Step: Accessing and Creating a SQL Database in Microsoft Fabric

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

STEP 1

Log in to Microsoft Fabric

1. Open your browser and go to <https://app.fabric.microsoft.com>.
2. **Sign in** using your Microsoft 365 credentials.

STEP 2

Switch to Fabric Experience (if Power BI is enabled)

1. If you're in the Power BI experience, click the Power BI icon in the top-left corner.
2. From the dropdown, select Fabric to switch to the Fabric experience.

Introducing the new Fabric view

[Take the tour](#)

Fabric

Develop new data, analytics, and end-to-end solutions.

Power BI

Find frequently used data, discover new data, and uncover insights—all built in Fabric.

STEP 3

Create a New Workspace

1. In the left-hand navigation panel, click on **Workspaces**.
2. Click the + New workspace button at the top.
3. Enter a name for your workspace (e.g., ERStudio_Integration).
4. Optionally, add a description and assign workspace admins or members.
5. Click **Create**.

Create a workspace



Name *

✔ This name is available

Description

Domain ⓘ



[Learn more about workspace settings](#)

Workspace image



↑ Upload

↶ Reset

Advanced ▾

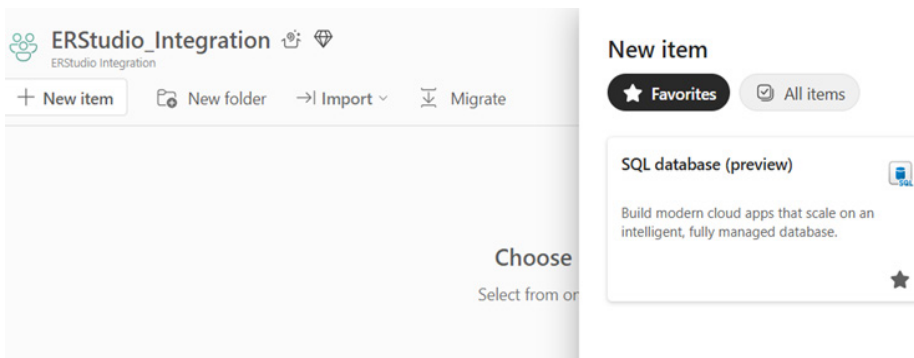
Apply

Cancel

STEP 4

Create a New SQL Database in Fabric

1. Open the workspace you just created.
2. Click the + New button in the top-right corner.
3. From the list of available items, select SQL Database.
4. Enter a name for your SQL Database (e.g., CustomerDataModel).
5. Click **Create**.



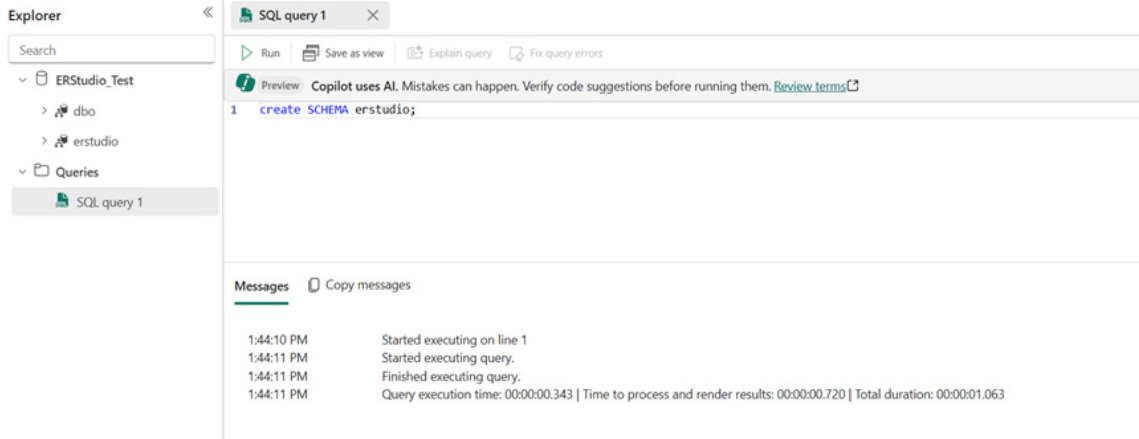
New SQL database

Name *

ERStudio_Test

Create

Cancel



STEP 5

Access the SQL Connection String

1. In your workspace, locate the SQL Database you just created.
2. Click the ellipsis (...) next to the database name.
3. Select Settings from the dropdown menu.
4. In the Settings pane, scroll to the Connection strings section.
5. Copy the SQL Database endpoint string (e.g., yourserver.tenant.fabric.microsoft.com).

  **ERStudio_Test** SQL database ✕

About

Endorsement

Connection strings

Restore points

Copilot

ADO.NET JDBC ODBC PHP Go

ADO.NET Active Directory Authentication
Copy this connection string and use it to connect externally to the database from Visual Studio Code or other client tools

```
Server=database.fabric.microsoft.com,1433;Initial Catalog=  
Multiple Active Result Sets=False;Connect Timeout=30;Encrypt=True;Trust  
Server Certificate=False;Authentication=Active Directory Interactive
```

[Download ADO.NET driver for SQL Server](#)

STEP 6

 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 7

Configure the Database Connection

1. In the Reverse Engineer Wizard, select AzureSQL as the database 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 database.

Reverse Engineer Wizard - Page 1 of 5

New Reverse Engineering Operation

Connection Type: ☐ ODBC: [Setup...](#) ☒ **Native/Direct Connection** ☐ Team Server Data Source

Database Type: **MS Azure SQL DB**

Datasource:

Authentication: **Azure Active Directory - Universal with MF**

User Name:

Password:

Default Database:

☐ Create Team Server Data Source from settings
Name:

Wizard Quick Launch
Select Settings File [...](#) [Go!](#)

[Cancel](#) [Help](#) [Back](#) [Next](#) [Finish](#)

STEP 8

Test the Connection

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

Authentication complete. You can return to the application.

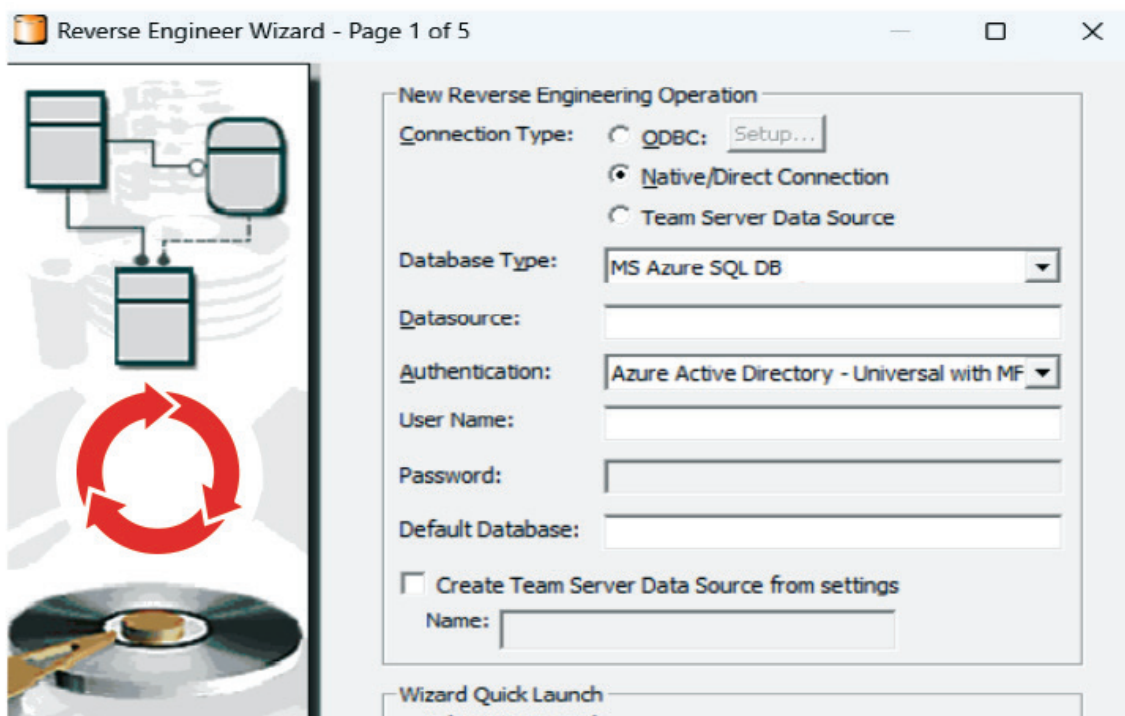
Feel free to close this browser tab.

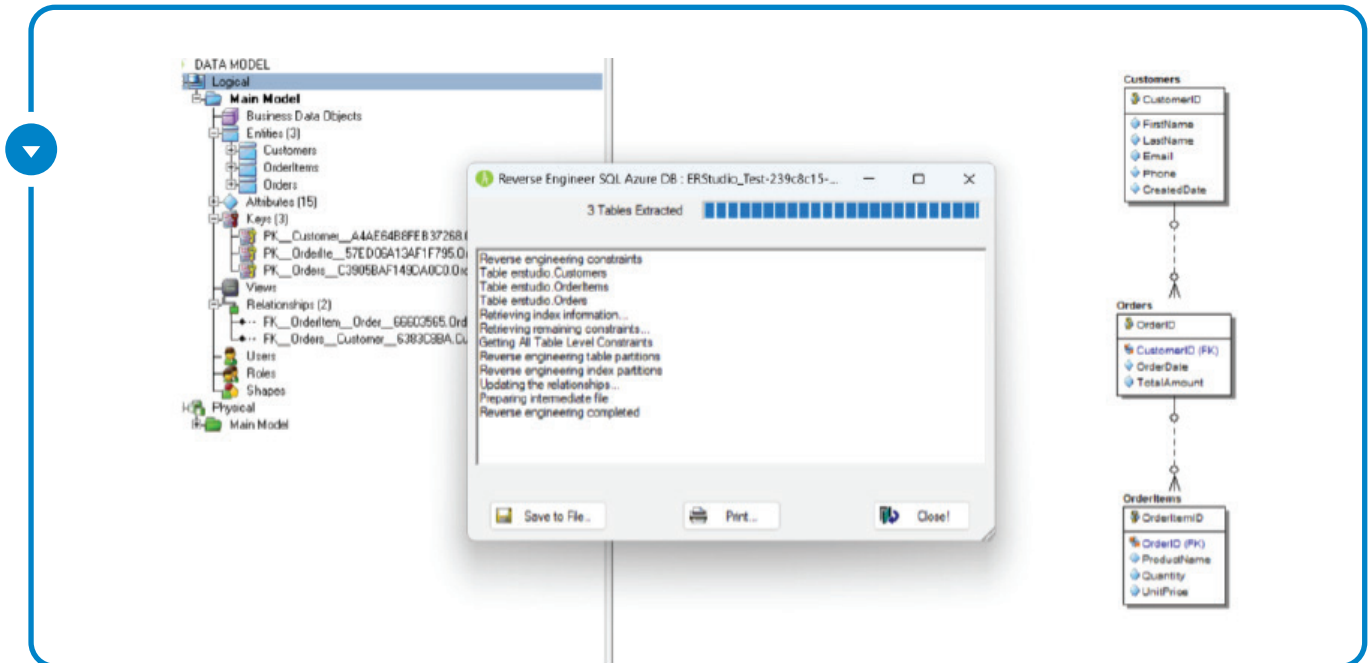


STEP 9

Select Objects to Reverse Engineer

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





STEP 10

Review and Save the Data Model

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

Congratulations on successfully connecting ER/Studio Data Architect to your Microsoft Fabric SQL Database!

This is a significant step toward unlocking powerful data modeling and architecture capabilities within your modern data platform.

You're now ready to reverse engineer your schema, visualize relationships, and document your data assets with precision and clarity. Keep exploring, designing, and optimizing — your data architecture journey just got a major upgrade!



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