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Prerequisites

Make sure that you have the following software installed on your machine:

- Visual Studio Code 2022
- Power BI Desktop: The latest version is recommended for compatibility with the newest features.

Installation of Power Query SDK

The first step is to install the Power Query SDK for Visual Studio Code.

- Click on the Extensions view icon on the Sidebar
- In the Extensions view, search for "Power Query SDK".

Creating a New Extension

- Create a new workspace, go to File > New Workspace.

Download the HelloWorld folder from GitHub with the following files

Link <https://github.com/AlbertYu97/PowerBI-Custom-Connector/tree/main/HelloWorld>

- Connector definition file (<connectorName>.pq)
- A query file (<connectorName>.query.pq)
- A string resource file (resources.resx)
- PNG files of various sizes used to create icons

Testing Connector

The Power Query SDK provides basic query execution capabilities, allowing you to test your extension without having to switch over to Power BI Desktop.

- Open the HelloWorld.query.pq file.
- Enter your test queries within this file. (Already included, custom changes can be made based on the requirement)

Building and Deploying Connector

- Open the Terminal in Visual Studio Code
- Navigate to the project folder in the Terminal and run the build command in the Terminal.
- This will produce a .mez file or extension file.
- Manually copy this .mez file to the Custom Connectors directory: [Documents]\Microsoft Power BI Desktop\Custom Connectors.

Using Custom Connector in Power BI Desktop

After deploying the connector, you can now use it in Power BI Desktop.

- Launch Power BI Desktop.
- Go to Power BI Desktop settings -> Allow custom connectors.
- Use the Get Data dialog to find and connect to your custom connector.