A close-up of a person smiling

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# Lab 06: Copilot in Fabric Data Factory

### 

### Introduction

In this lab, you will use copilot in Fabric Data Factory.

### Objectives

After completing this lab, you will be better able to:

1. Use copilot in a Gen 2 dataflow

**Estimated time to complete this lab**

30 minutes

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**Lab Prerequisites**

* Workspace: Fabric, Power Premium or Fabric trial
* Individual license: Power Pro or Premium Per User account

**Information provided by your training provider**

* Trial tenant (if applicable): login & password, workspace to use for the lab.
* Azure SQL Server Database: server name, login and password.

### Task 1: Getting started with Copilot in Data Factory

1. Create a new [Dataflows Gen2](https://learn.microsoft.com/en-us/fabric/data-factory/tutorial-end-to-end-dataflow) item in your workspace used for previous labs.

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1. On the Home tab in Dataflows Gen2, select the **Copilot** button.

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1. In the Copilot Panel, click on the **Get data button**.

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1. In the **Get data** window, search for OData and select the **OData** connector.

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1. In the Connect to data source for the OData connector, input the following text into the URL field:

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https://services.odata.org/V4/Northwind/Northwind.svc/

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1. From the navigator, select the Orders table and then **Select related tables**. Then select **Create** to bring multiple tables into the Power Query editor.

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1. Select the Customers query, and in the Copilot pane type this text: *Only keep European customers*, then press Enter or select the **Send message** icon.

Your input is now visible in the Copilot pane along with a returned response card. You can validate the step with the corresponding step title in the **Applied steps** list and review the formula bar or the data preview window for accuracy of your results.

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Select the Employees query, and in the Copilot pane type this text: *Count the total number of employees by City*, then press Enter or select the **Send message** icon. Your input is now visible in the Copilot pane along with a returned response card and an **Undo** button.

In the case of returned error, verify the end of the generated M code:

each Table.RowCount(\_),Int64.Type}})

1. Select the column header for the Total Employees column and choose the option **Sort descending**. The **Undo** button disappears because you modified the query.

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1. Select the Order\_Details query, and in the Copilot pane type this text: *Only keep orders whose quantities are above the median value,* then press Enter or select the **Send message** icon.
2. Either select the **Undo** button or type the text Undo (any text case) and press **Enter** in the Copilot pane to remove the step.

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1. To leverage the power of Azure Open AI when creating or transforming your data, ask Copilot to create sample data by typing this text:

*Create a new query with sample data that lists all the Microsoft OS versions and the year they were released*

1. Copilot adds a new query to the Queries pane list, containing the results of your input. At this point, you can either transform data in the user interface, continue to edit with Copilot text input, or delete the query with an input such as *Delete my current query.*

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