forefront

Forefront – Microsoft Fabric Copilot Workshop

*In the **Microsoft Fabric (Fabric) Copilot workshop**, we will explore the Fabric Copilot family of services, highlighting where to find the resources, cost aspects, how to use them and provide examples of use cases.*

This workshop provides actionable insights that will enable your organization to gain a business advantage. During the workshop, we will show how to use and to further explore the available Copilot services in Fabric using piloting or PoC:s to find the opportunities that can create value for your organization.

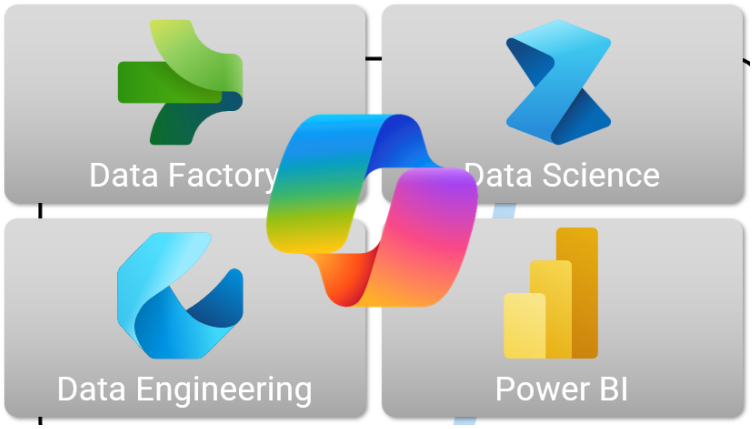
Workshop will provide participants with the following:

- *A comprehensive overview of Fabrics experiences and how the elements of Fabric support the demands of an enterprise class data platform, from ingestion via storage, processing and analysis to the creation of data products and insight*
- *An overview Copilot support across key Fabric elements such as Data Factory and Power BI making the work easier for Data Engineers, Data Scientists as well as business users*
- *Examples of how to use the individual Copilot services in Fabric*
- *Pricing and practical issues to consider*
- *Fabric Copilot Use Cases for further exploration*

Who is it for?
Businesses looking to further explore how Copilot can create additional value based on the data ingested, processed, analyzed and refined using Fabric.

Workshop agenda:

- Fabric and Copilot in Fabric overview
- How to use Copilot in Fabric
- Examples and use cases
- Potential next steps



Target group:

The workshop is intended for data experts using Fabric with no or little past experience of Copilot as well as non-technical business users who want to understand how to use Copilot to explore data and make analysis more available.

Duration and format:
4 hours. The workshop is primarily conducted on-line. On site (in-person) workshops are provided on request (subject to additional costs).

Takeaways:

Gain insights

We will show how Copilot is used throughout the Fabric experiences, providing examples of how to use Copilot to dramatically increase productivity and create excellent outcomes.

Identify business opportunities

Based on the insights presented, we look at some use cases for Copilot to understand the value using Copilot in Fabric might provide.

Inspire and grow

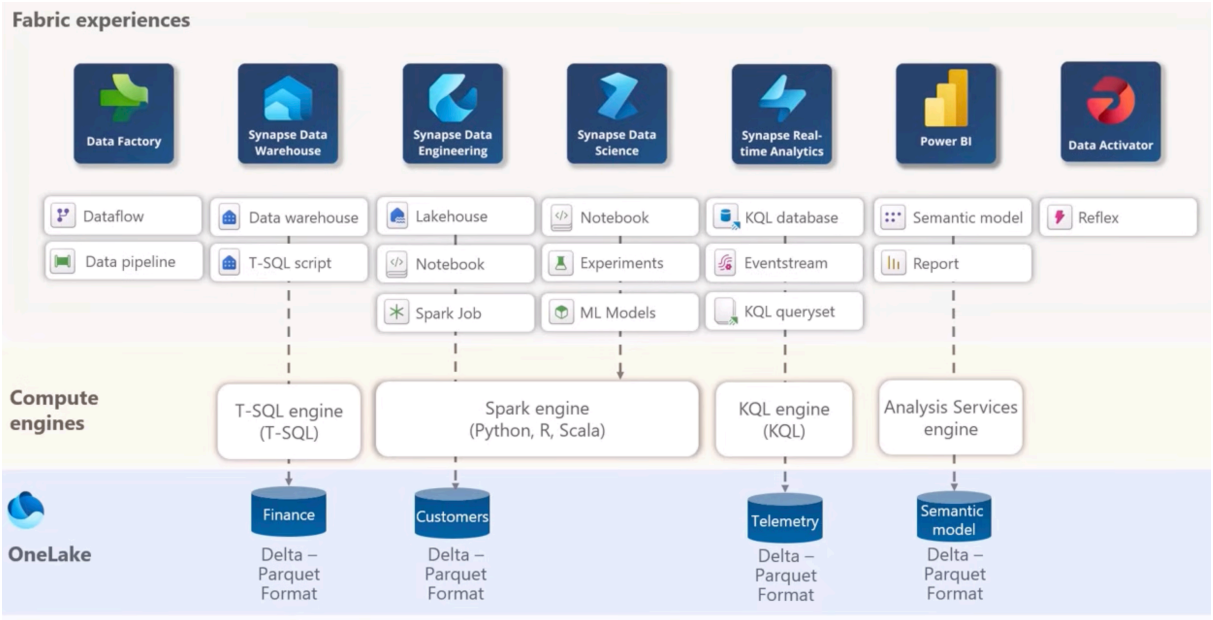
During the workshop, there will be plenty of opportunities to further discuss and disclose advantages that come from using Copilot in Fabric. We'll make sure to share commonly made experiences, best practices and more.

Workshop content

The Microsoft Fabric Data Platform

We will begin by looking at Fabric and the main features of the data platform.

The Fabric elements ("experiences") that constitute the main building blocks of the Fabric platform are presented below.



The overview session will include a short description of the individual Fabric experiences with examples of usage and use cases provided.

Copilot in Fabric overview

We will then continue by presenting the current Copilot services available in Fabric[1] and primary usage purpose.

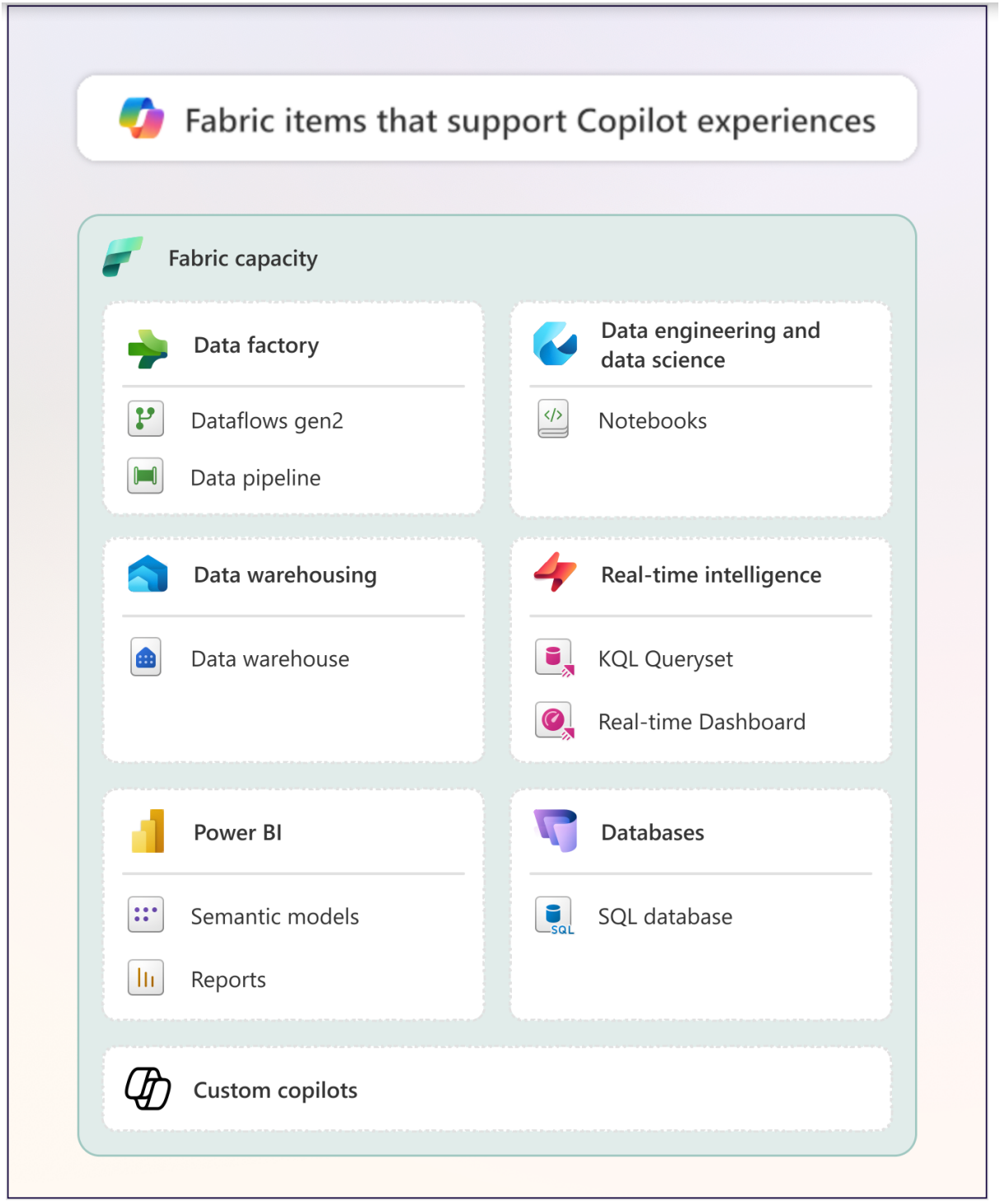


Figure – Copilot support in Fabric

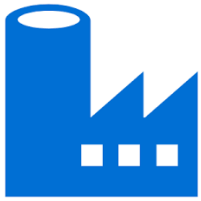
[1] Source: https://learn.microsoft.com/en-us/fabric/get-started/copilot-fabric-overview

The individual Fabric Copilot elements are listed and described below.

Copilot for Data Science and Data Engineering

Copilot for Data Engineering and Data Science is an AI-enhanced toolset tailored to support data professionals in their workflow. It provides intelligent code completion, automates routine tasks, and supplies industry-standard code templates to facilitate building robust data pipelines and crafting complex analytical models. Utilizing advanced machine learning algorithms, Copilot offers contextual code suggestions that adapt to the specific task at hand, helping you code more effectively and with greater ease. From data preparation to insight generation, Microsoft Fabric Copilot acts as an interactive aide, lightening the load on engineers and scientists and expediting the journey from raw data to meaningful conclusions.

Copilot for Data Factory



Copilot for Data Factory is an AI-enhanced toolset that supports both citizen and professional data wranglers in streamlining their workflow. It provides intelligent code generation to transform data with ease and generates code explanations to help you better understand complex tasks. For more information, see Copilot for Data Factory

Copilot for Data Warehouse

Microsoft Copilot for Fabric Data Warehouse is an AI assistant designed to streamline your data warehousing tasks. Key features of Copilot for Warehouse include Natural Language to SQL, code completion, quick actions, and intelligent insights. For more information, see Copilot for Data Warehouse.

Copilot for Power BI

Power BI has introduced generative AI that allows you to create reports automatically by selecting the topic for a report or by prompting Copilot for Power BI on a particular topic. You can use Copilot for Power BI to generate a summary for the report page that you just created, and generate synonyms for better Q&A capabilities.

For more information on the features and how to use Copilot for Power BI, see Overview of Copilot for Power BI.

Copilot for Real-Time Intelligence

Copilot for Real-Time Intelligence is an advanced AI tool designed to help you explore your data and extract valuable insights. You can input questions about your data, which are then automatically translated into Kusto Query Language (KQL) queries. Copilot streamlines the process of analyzing data for both experienced KQL users and citizen data scientists.

For more information, see Copilot for Real-Time Intelligence overview.

Copilot for SQL database

Copilot for SQL database in Microsoft Fabric is an AI assistant designed to streamline your OLTP database tasks. Key features of Copilot for SQL database include Natural Language to SQL, code completion, quick actions, and document-based Q&A. For more information, see Copilot for SQL database.

How to use Copilot in Fabric

In this session, we will look at how to activitate Copilot in Fabric, prerequisites and restrictions, pitfalls and ways to ensure that best possible usage.

We will also investigate cost aspects, introducing resource & cost optimization as an important capability to consider for expenditure control, both initially and during operations. We will provide recommendations based on Forefront's experiences and Microsoft's recommendations.

The session will also briefly cover Security, Compliance and Policy aspects, referencing Microsoft's "Responsible AI Standard" and "EU's AI Act", highlighting areas for consideration.

Finally, we will also highlight some of the risks that need to be understood and avoided, such as overconsumption and data quality issues.

Copilot pricing

In this session, we will explore how the cost for using Copilot is incurred and calculated.

Examples and use cases

In the final session, we will provide use cases and show some real-life examples. The examples can serve as starting points for further exploration and enable your organization to better find use cases that will help you pinpoint areas where Copilot for Fabric will create value.

Potential next steps

We will conlude the workshop by looking at number of potential next steps for consideration. Depending on the number of workshop participants, a Q & A session will also be conducted before closing the Workshop.

For more information, please visit:

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