



Semantic models are important in Fabric

Save time and build better data models for...

 Microsoft Fabric  Microsoft Power BI  Analysis Services

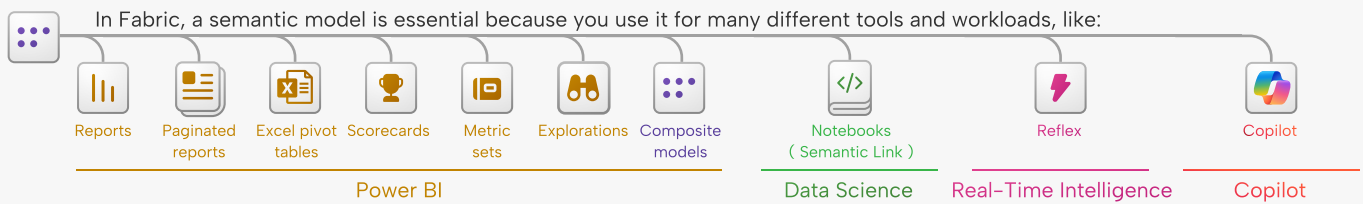
Free guidance for building data models

What is a semantic model?

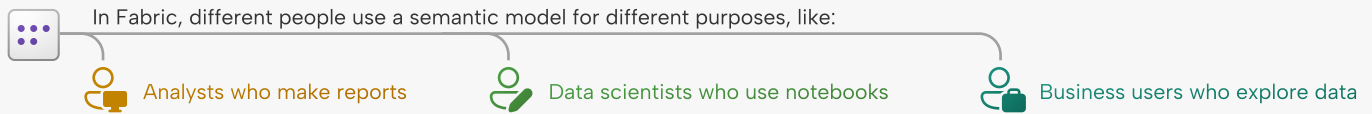
A **semantic model** is the new term for Power BI datasets. You need these models to make and use **Power BI reports**.
 This is the icon for a **semantic model**.

Semantic: The data has *meaning* to a person or organization
Model: Patterns and objects together *represent a real-world process*







A semantic model is used by many different things in Fabric














A semantic model is used by many different teams and roles in an organization



To get the most from Fabric, you need good tools for semantic models that:

-  Help you make better models
-  Help you write good DAX more easily
-  Helps you re-use code and patterns
-  Enables you to build models efficiently
-  Enables you to test and audit models
-  You can customize to your workflow

Tabular Editor helps you to make and use semantic models for Fabric

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| <p> Reduce development time
 No waiting times, even in massive, complex models.</p> | <p> Improve quality; reduce cost
 Leverage features to improve models as you work.</p> | <p> Get better at making models
 Improve not just your models, but your own skills.</p> |
| <p> Write DAX easier & faster</p> <ul style="list-style-type: none"> • Smart code assistance and auto-DAX formatting • Custom shortcuts and debugging • Re-use DAX code and patterns with DAX Scripts | <p> Reduce model size and cost</p> <ul style="list-style-type: none"> • Easily reduce models below capacity size limits • Find bottlenecks that are inflating your model • Optimize performance and reduce resource usage | <p> Learn what to do / what to avoid</p> <ul style="list-style-type: none"> • Learn from VertiPaq Analyzer • Leverage BPA rules from us or from Microsoft • Learn from community scripts, templates, and solutions |
| <p> Make many changes at once</p> <ul style="list-style-type: none"> • Select and change multiple measures, tables... • Find/Replace in your code or object names • Copy/Paste things within or across models | <p> Find / fix issues before they're a problem</p> <ul style="list-style-type: none"> • Find and fix common issues with the Best Practice Analyzer • Syntax highlighting shows you errors or flaws in DAX code • Write your own BPA rules and fixes for your models | <p> Learn how to be more productive</p> <ul style="list-style-type: none"> • Use "offline mode" to avoid waiting for "Working on it..." • Use shortcuts and toolbars • Re-use tested patterns from experts for your model |
| <p> (Re-)use scripts and templates</p> <ul style="list-style-type: none"> • Save and re-use DAX for other models • Apply common patterns for complex problems • Automate repetitious tasks with C# scripts / macros | <p> Get faster reports with DAX Optimizer</p> <ul style="list-style-type: none"> • Proactively fix flaws in DAX code with DAX Optimizer plugin • Track model development • Anonymize your data for sensitive models <p><small>Four free DAX Optimizer runs per user on the Tabular Editor Enterprise</small></p> | <p> Learn C# to write scripts and macros</p> <ul style="list-style-type: none"> • Generate scripts with the "Script Recorder" • Use LLMs to produce C# code to do what you need • Create custom macros that help you work |