





Semantic Modeling at warp speed

How Tabular Editor can help



Tabular Editor – the company

-  Founded in 2021
-  Develop and sell Tabular Editor 3
-  Customers in more than 100 countries
-  Part of Tabular Tools
(with SQLBI)



About us



Morten Lønskov
Product Manager

- 📄 Works with feature planning, support, documentation, content etc.
- 📄 Lives in Hamburg, Germany

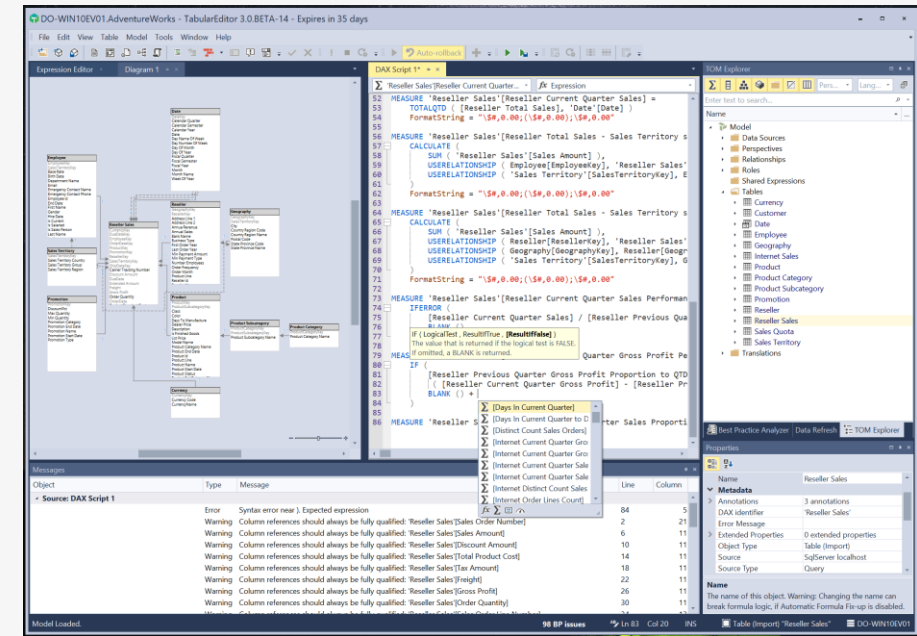


Daniel Otykier
CTO

- 📄 Inventor of Tabular Editor 2 & 3
- 📄 Lives in Kolding, Denmark

What is Tabular Editor?

- Offline semantic model editor for:
 - » SQL Server 2016+ Analysis Services (Tabular)
 - » Azure Analysis Services
 - » Power BI Desktop (External Tool)
 - » Power BI Premium / Embedded (via XMLA endpoint)
 - » Fabric (via XMLA endpoint)
- Lightning fast and feature-rich!

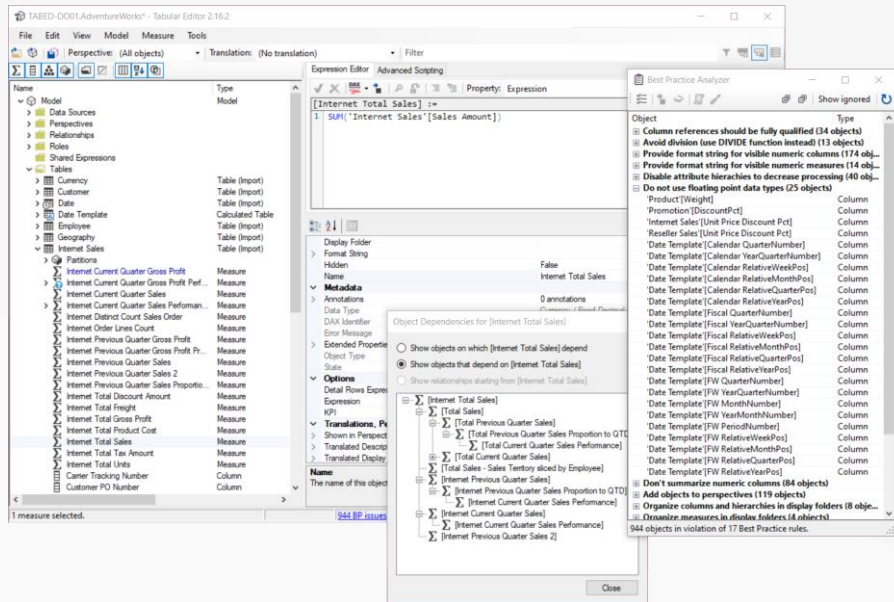


What is Tabular Editor 3?



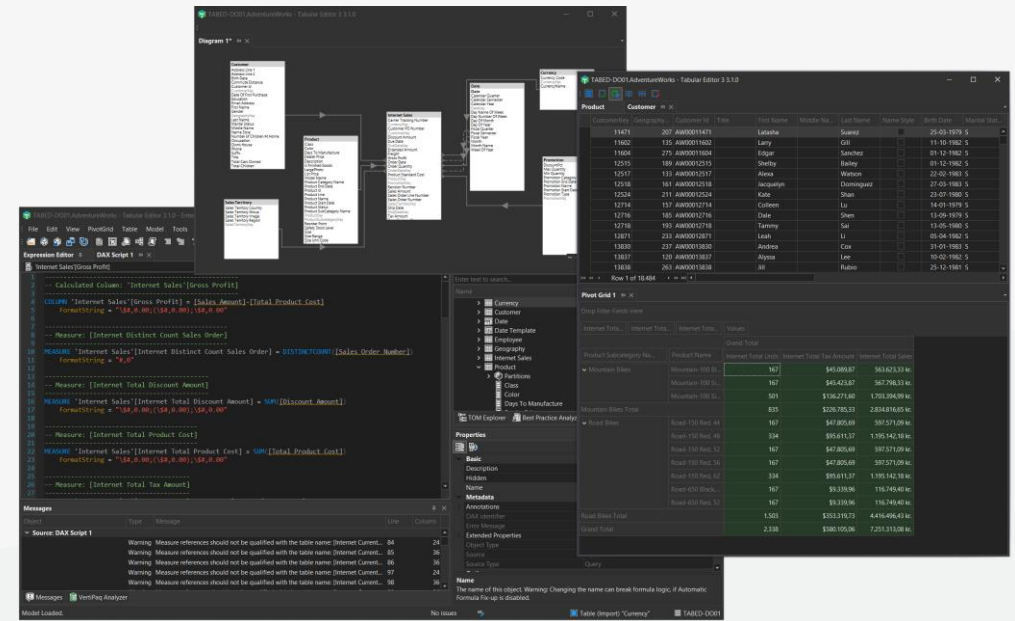
Tabular Editor 2

- » Used and loved by semantic model developers since 2016
- » Open-source & free
- » Basic semantic model editing



Tabular Editor 3

- » Evolution of Tabular Editor 2
- » Commercial license
- » Professional IDE for semantic models










Fabric & Semantic Models

More central than ever

Semantic models will become more prevalent

-  Auto-generated default models
-  Direct Lake models are easy to create for all users
-  Web Authoring of models
-  New Personas: Data scientist with semantic models
-  Semantic Link: Integrate model into rest of data environment

Managing semantic model will be more complex

- More options: Models with import, Direct Query, hybrid, and now Direct Lake storage mode.
- More models created that will need support and optimization
- AI-driven DAX in self-service scenarios

Semantic models will have more impact



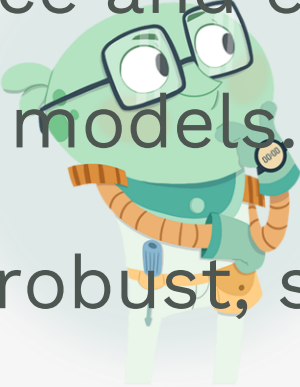
More workloads and tools will connect to semantic models to enable users to solve business problems with data



Organizations need to develop and support both self-service and enterprise semantic models.



Requires robust, scalable tools and processes



Semantic Model



Report



Paginated report



Excel



Connected metrics



Composite models



Notebooks



Dataflows Gen2



Data Activator



Microsoft Copilot



Semantic Link



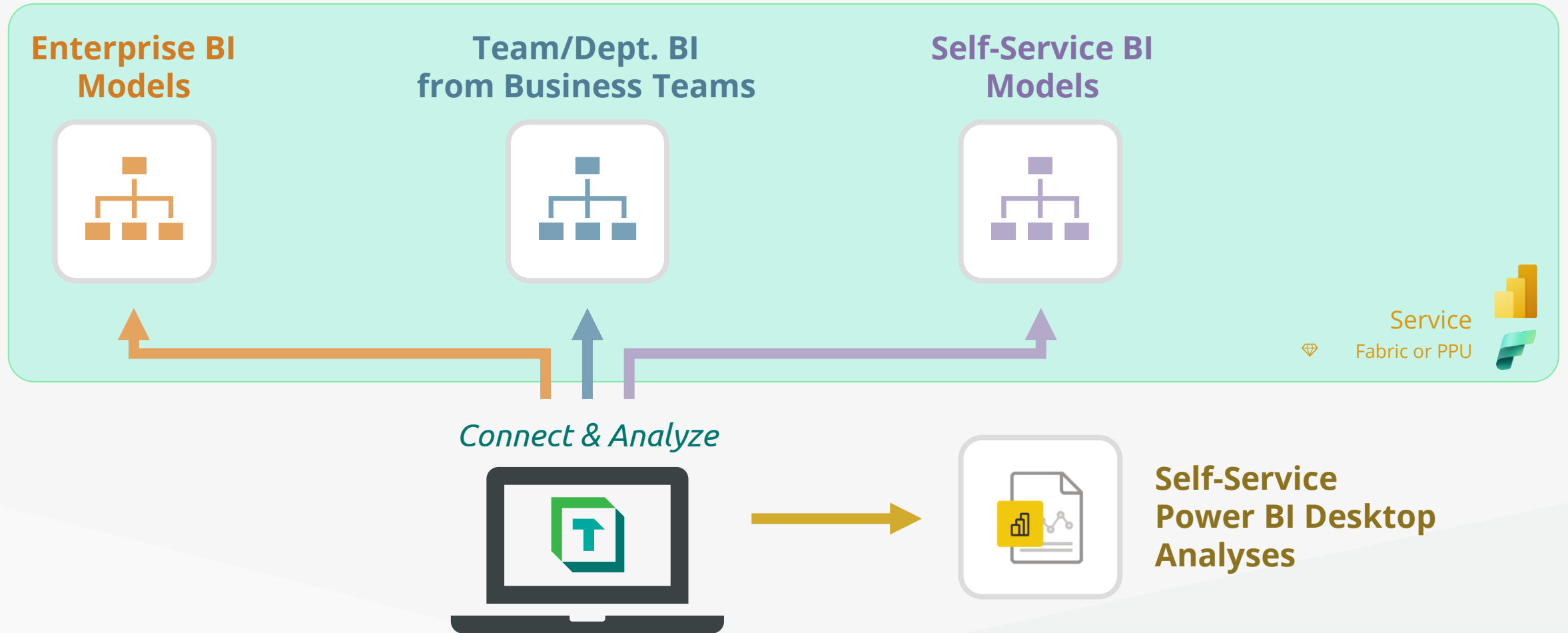
Metric Sets

Connect to models
now

Connect to models
in **Fabric**

Coming Soon

Handle semantic models by using Tabular Editor



Tabular Editor helps you make better models, faster



Enhancing productivity



Work asynchronously offline

Make and test changes before writing them to the model so you don't wait to see the result



Change many things at once

Batch tasks with the TOM Explorer or edit multiple DAX objects at once by using DAX scripts



Manage tables and columns

Add or remove objects and update schemas with UI wizards. Refresh selected tables asynchronously

DAX

Write better DAX, faster

Code assistance features guide you when writing DAX to save time and avoid mistakes



Automate development

Use C# scripts and macros to streamline or fully automate repetitive, multi-step tasks



Tabular Editor helps you make better models, faster



Improving data models



Detect errors and warnings

Messages alert to model issues so you can find and fix them before you deploy the model



Scan for best practice issues

Use the Best Practice Analyzer to automatically scan for and flag best practice rule violations



Validate while you work

Develop and test DAX more easily with a single window by using DAX queries and 'Define measure'



Optimize data models

Reduce import model size with VertiPaq Analyzer, explore models with DAX queries and pivot grids



Debug DAX in less time/effort

Use the DAX debugger to break up DAX code into steps so you can fix and understand it, better

Tabular Editor helps you make better models, faster



Scaling enterprise models



Automate testing

Use the command-line interface to run C# scripts to evaluate DAX queries against known baselines



Automate deployment

Use the command-line interface to deploy models using the XMLA read/write endpoint



Set up and use source control

Save, manage and deploy model metadata in formats like TMDL to track object-level changes



Improve collaboration

Work on model metadata for easier merging of changes, while sharing common macros, BPA rules and layouts






Let's start the demos

About Spaceparts' people






Borp (He/him)
BI Developer

-  Leads technical BI implementations at SpaceParts Co.
-  13,7 Galactic Years old
-  From Apollodorus in the Îlos system



Zip (She/her)
Business Analyst

-  Translates business into BI
-  10,6 Galactic Years old
-  From Achilles in the Eliad System



Zip's Meeting Agenda

- 📌 Organize the Model better
- 📌 Add orders to the model
- 📌 Fix Net Sales and Gross Sales measures
- 📌 Fix “Net Sales Last 14 days” measure
- 📌 Can we translate the model to another language?
- 📌 How can I improve the overall quality of the model?
- 📌 What can I, Zip, do to get better at Tabular Editor?

Organize Model



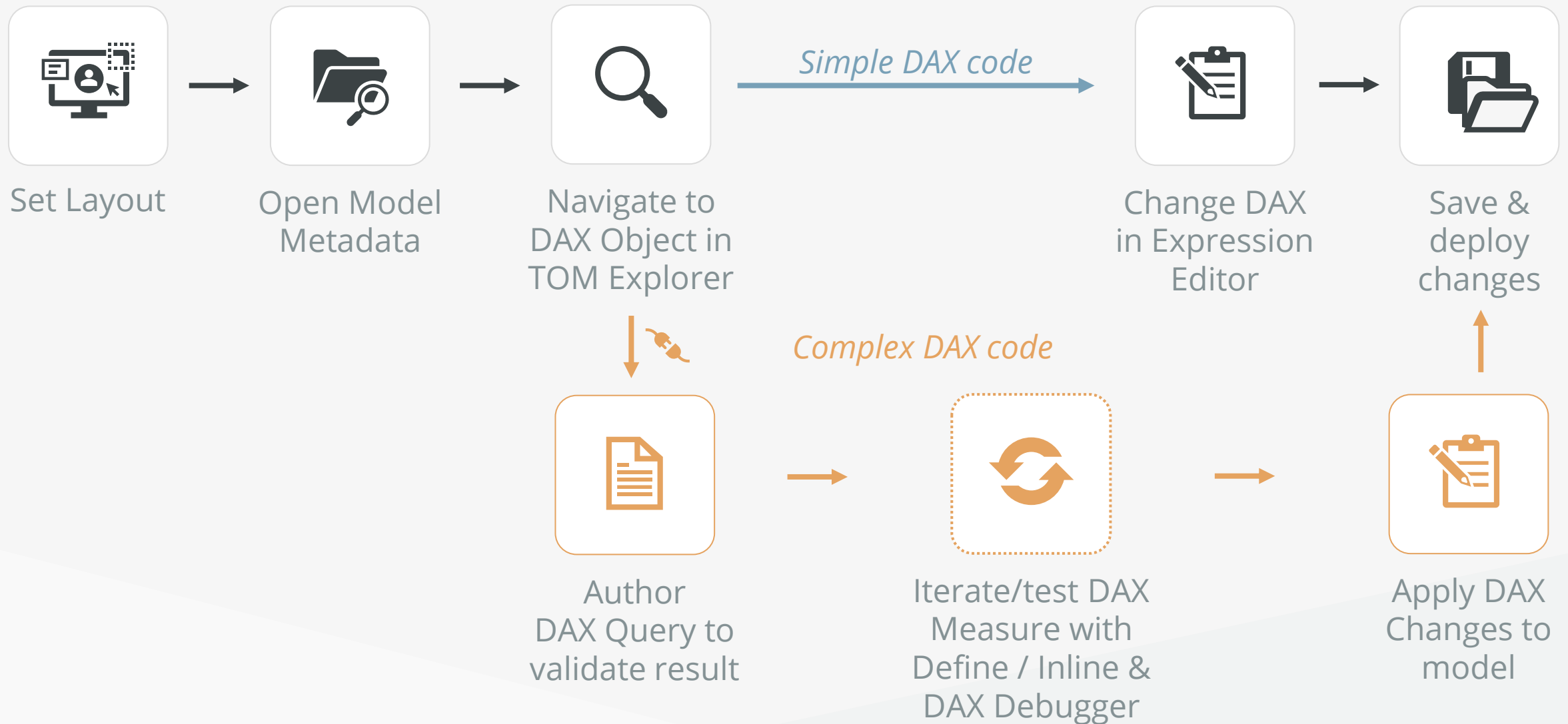
Add Tables



Fixing Measures



Creating or Modifying a DAX Object – Workflow



DAX Debugging



How to use the Debugger Windows



DAX Map

Navigate the code steps to investigate specific areas

**Debugger
+ Call Tree**



Compass

Check the filter and row context for how intermediate values are obtained

**Evaluation
Context**

DAX Query



[Measure]



Landmarks

Check intermediate values to get your bearings as you navigate

Locals



Binoculars

Evaluate other model DAX as landmarks to investigate what's going on

Watch

Translations



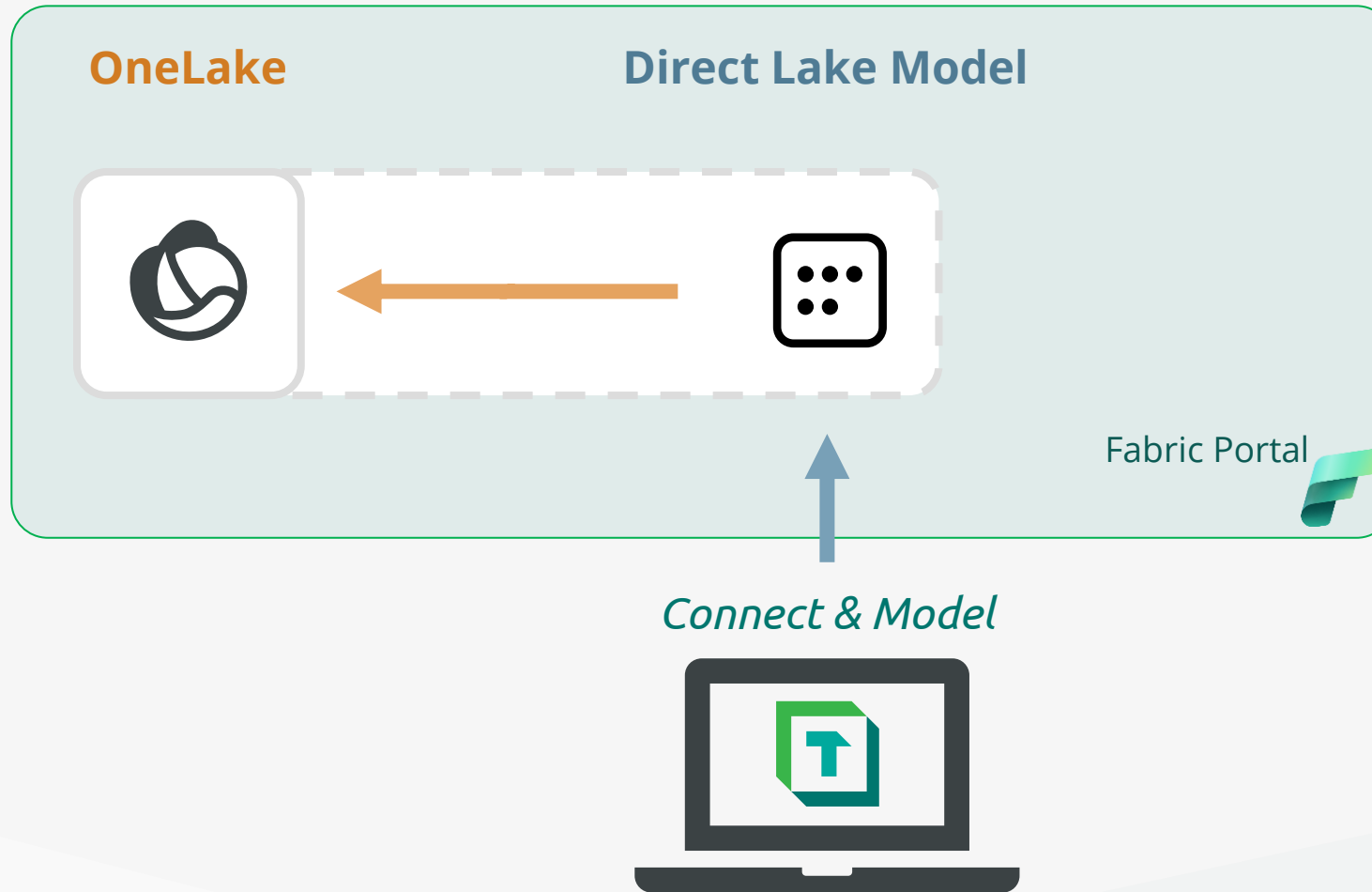
Best Practices



Direct Lake



Direct Lake model & Tabular Editor



Tabular Editor Learn

Explore our interactive learning platform

- 25+ hours of **free** content
- Create better data models, faster
- Master every aspect of Tabular Editor
- Help Borp, Zip & Tropphus at Spaceparts Co.

<https://tabulareditor.com/learn>



Thank You



learn.tabulareditor.com

