







Deep Dive into Power Bl Source Control

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#TMDL #pbitools

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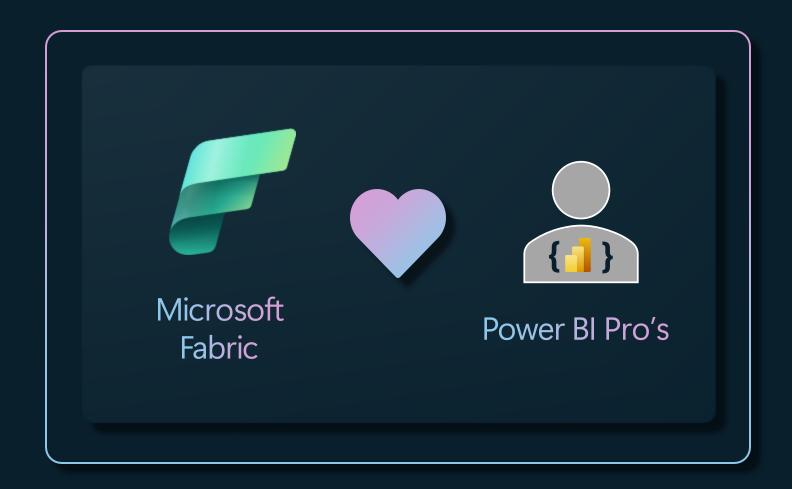


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2023 was a landmark for Power BI Pro's

In Public Preview

- Developer mode
- TMDL language
- Git Integration
- Fabric APIs
- DAX query view
- Model explorer
- Multi-stage deployment pipelines

See https://aka.ms/pbiblog for the latest

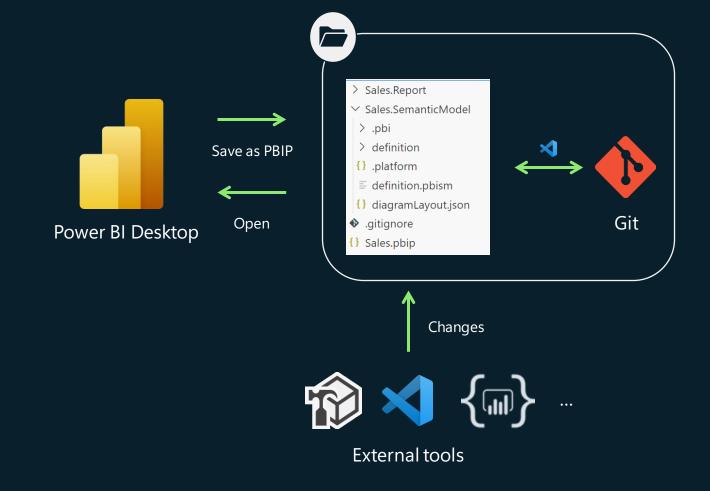
Microsoft Fabric COMMUNITY CONFERENCE



Demos first, theory later

Public Preview

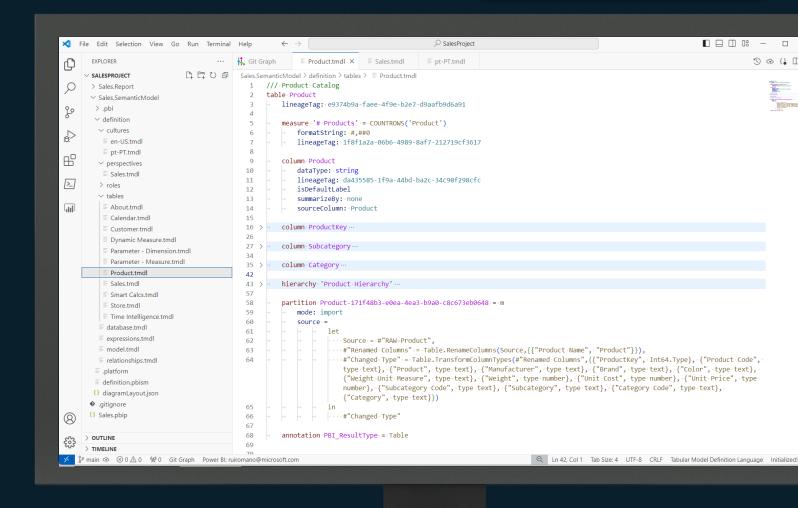
Power Bl developer mode



Tabular Model Definition Language (TMDL)

Public Preview

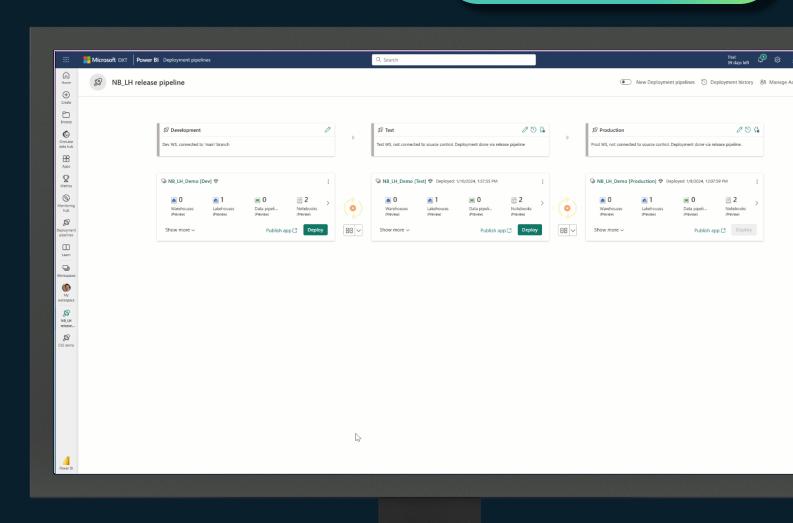
- Readable & Editable in any text editor
- Collaborative by default
- Easy reuse semantic model objects between models.



Deployment Pipelines

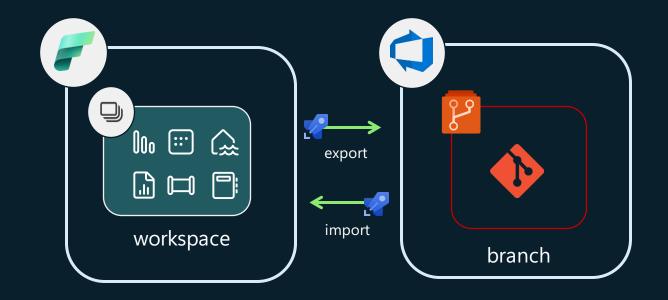
GA

- Deploy items across WSs, and apply rules on configuration
- Compare changes on code-level
- Support for 2-10 stages



Public preview

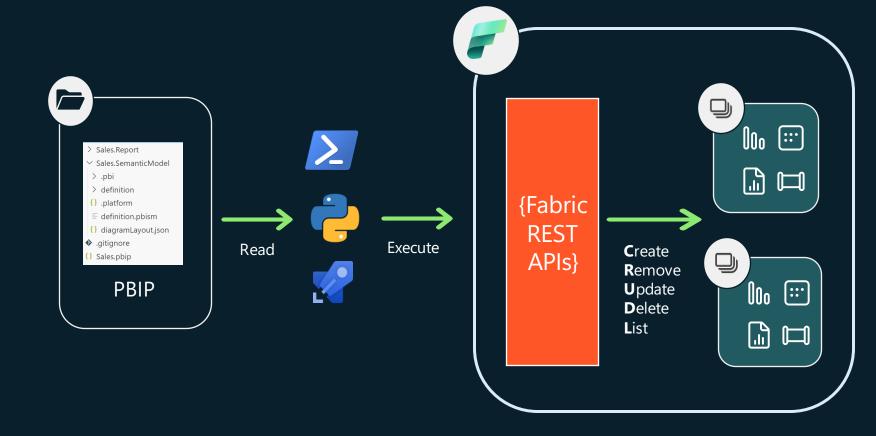
Fabric Git integration



Fabric REST APIs

Public preview

- Automation
- Deployment
- Item management
- Workspace management
- Execute item jobs



https://learn.microsoft.com/en-us/rest/api/fabric/articles/using-fabric-apis

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2024 will be even better...

In Public Preview

- Developer mode
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Coming soon

- Power Bl Report enhanced format (PBIR)
- Code first modeling with TMDL
- New items for Fabric CICD
 - E.g. DirectLake Mode
- Git branch out experience
- GitHub
- DirectLake in PBI Desktop

Power BI enhanced report format (PBIR)

Coming soon

- Open & Public format
- Source Control friendly
- Folder structure
- Scenarios
 - Copy pages/visuals/bookmarks between reports
 - Batch edits
 - ...

```
File Edit Selection View Go Run ...

∠ AnotherModel

                                                        {} visual.json ×
        EXPLORER
                                                         AnotherModel.Report > definition > pages > ReportSection89a9619c7025093ade1c > visuals

✓ ANOTHERMODEL

∨ AnotherModel.Report

                                                                   "$schema": "https://developer.microsoft.com/json-schemas/fabr
         ) .pbi
                                                                   "position": {

∨ definition

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∨ pages

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                                                                      Defines the selection order for this visual when using keyboard (tab key)

∨ visuals

                                                                      to navigate the visuals on the containing page.

√ 0f9bcdc145fc9e6fdc33

B
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                                                          10
              {} visual.json
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>_
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                                                          23
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```

Coming soon

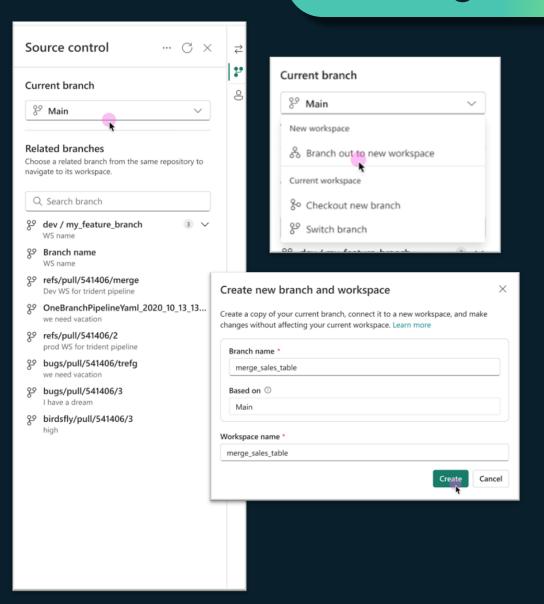
TMDL as rich code-first modeling experience

```
changedProperty = IsHidden
                                                                                                 TMDL
                                                                                                  Microsoft * microsoft.com
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                                                                                                  Language support for the Tabular Mode
              annotation PBI_FormatHint = {"isGeneralNumber":true}
                                                                                                             Trouble Installing?
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304
          column 'Unit Cost'
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              isAvailableInMdx: false
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              summarizeBy: sum
              sourceColumn: Unit Cost
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              changedProperty = DataType
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              annotation BestPracticeAnalyzer_IgnoreRules = {"RuleIDs":["REMOVE_REDUNDANT_COLUMNS_IN_RELATED_TABL
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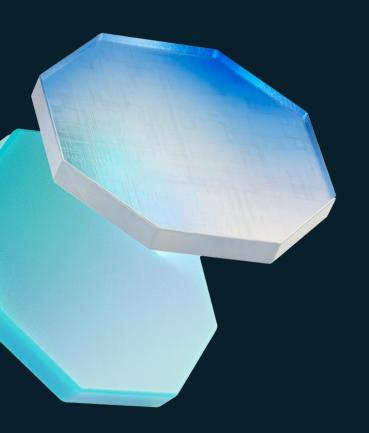
New branch out experience

- Create a new isolated work environment (workspace & branch) in a few clicks.
- Reduce friction of creating and connecting multiple branches and workspaces

Coming soon



Resources



- https://aka.ms/pbidesktopdevmode
- https://aka.ms/gitintro
- https://learn.microsoft.com/en-us/rest/api/fabric/articles/using-fabric-apis
- https://aka.ms/fabricps-pbip
- https://github.com/RuiRomano/fabricnotebooks
- https://github.com/pbi-tools/sales-sample



Thank you!