DevOps your Fabric code







Brian Bønk

Senior Principal, Microsoft MVP INTELLISHORE

in https://linkedin.com/in/brianbonk

https://dcode.bi

https://github.com/brianbonk





FastTrack Recognized Solution Architect Power BI 2022 >>



Certified Trainer Data Platform

2018 >>

The challenge







Messy and disorganized project files

Collaboration

Tracking changes

Manual and error-prone deployments

Complex code structures

Agenda

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Fabric as Code

Messy and disorganized project files

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Git and Azure DevOps

The connections and process

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Deployment Pipelines













































































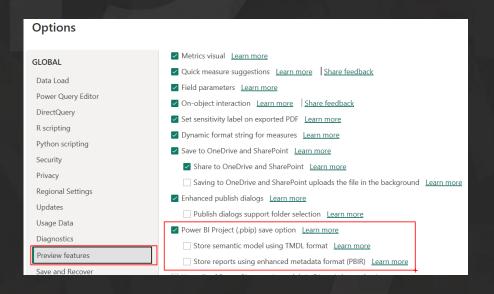
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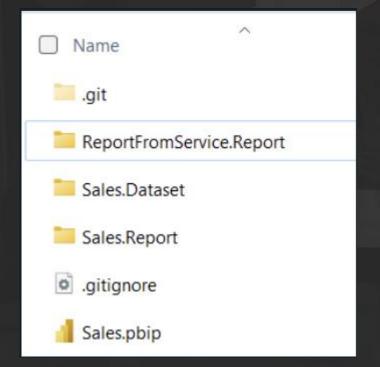
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Options	
GLOBAL	✓ Metrics visual <u>Learn more</u>
Data Load	✓ Quick measure suggestions <u>Learn more</u> <u>Share feedback</u>
	✓ Field parameters <u>Learn more</u>
Power Query Editor	✓ On-object interaction <u>Learn more</u> <u>Share feedback</u>
DirectQuery	✓ Set sensitivity label on exported PDF <u>Learn more</u>
R scripting	✓ Dynamic format string for measures Learn more
Python scripting	
Security	✓ Save to OneDrive and SharePoint <u>Learn more</u>
Privacy	✓ Share to OneDrive and SharePoint <u>Learn more</u>
Regional Settings	Saving to OneDrive and SharePoint uploads the file in the background <u>Learn more</u>
	✓ Enhanced publish dialogs <u>Learn more</u>
Updates	☐ Publish dialogs support folder selection <u>Learn more</u>
Usage Data	✓ Power BI Project (.pbip) save option <u>Learn more</u>
Diagnostics	Store semantic model using TMDL format Learn more
Preview features	
Save and Recover	Store reports using enhanced metadata format (PBIR) Learn more









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□ Name
□ .git
□ ReportFromService.Report
□ Sales.Dataset
□ Sales.Report
□ .gitignore
□ Sales.pbip
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Fabric as Code

Messy and disorganized project files

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Git and Azure DevOps

The connections and process

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Deployment Pipelines

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Fabric as Code

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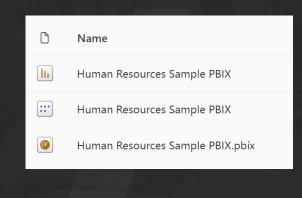
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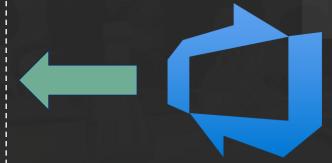
Deployment Pipelines













Fabric as Code

Git and Azure DevOps

Deployment Pipelines











































































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Fabric as Code

Git and Azure DevOps

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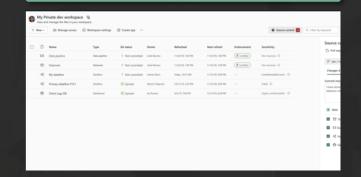
Deployment Pipelines

Git and Azure DevOps





Git integration



REST APIs



Workload specific APIs

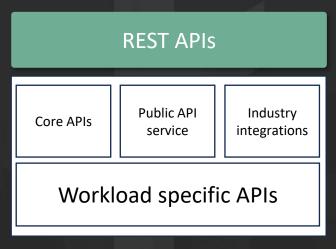
Ease of use Constraints

Flexibility Responsibility

Announced at FabCon Stockholm



Public Preview (right now, will change over time)
Uses the current APIs from Fabric
Requires Terraform >= 1.8.x
Does not support Trial capacity



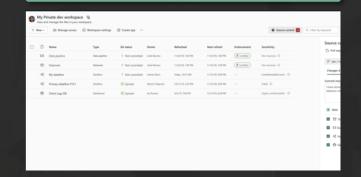
Announcing the new Terraform Provider for Microsoft Fabric (Public Preview) | Microsoft Fabric Blog | Microsoft Fabric Docs overview | microsoft/fabric | Terraform | Terraform Registry

Git and Azure DevOps





Git integration



REST APIs

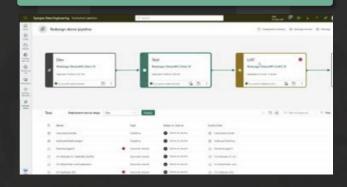


Workload specific APIs

Ease of use Constraints

Flexibility Responsibility





Ease of use, with full UI support (no code) Cherry picking and full deployments Up to 10 workspaces in one pipeline History of deployments Review and change tracking

Fabric as Code

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Thank you

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