

DevOps your Fabric code



Brian Bønck

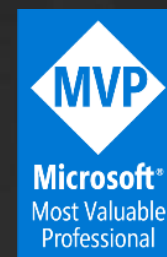
Senior Principal, Microsoft MVP

INTELLISHORE

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

 <https://dcode.bi>

 <https://github.com/brianbonk>





Your PC ran into a problem and needs to restart. We're just collecting some error info, and then we'll restart for you.

20% complete



For more information about this issue and possible fixes, visit <https://www.windows.com/stopcode>

If you call a support person, give them this info:

Stop code: CRITICAL_PROCESS_DIED

The challenge



Messy and
disorganized
project files

Collaboration

Tracking changes

Manual and
error-prone
deployments

Complex code
structures

Agenda

✓

Fabric as Code

Messy and disorganized
project files

β

Git and Azure DevOps

The connections and process

π

Deployment Pipelines

The built in feature from
Fabric



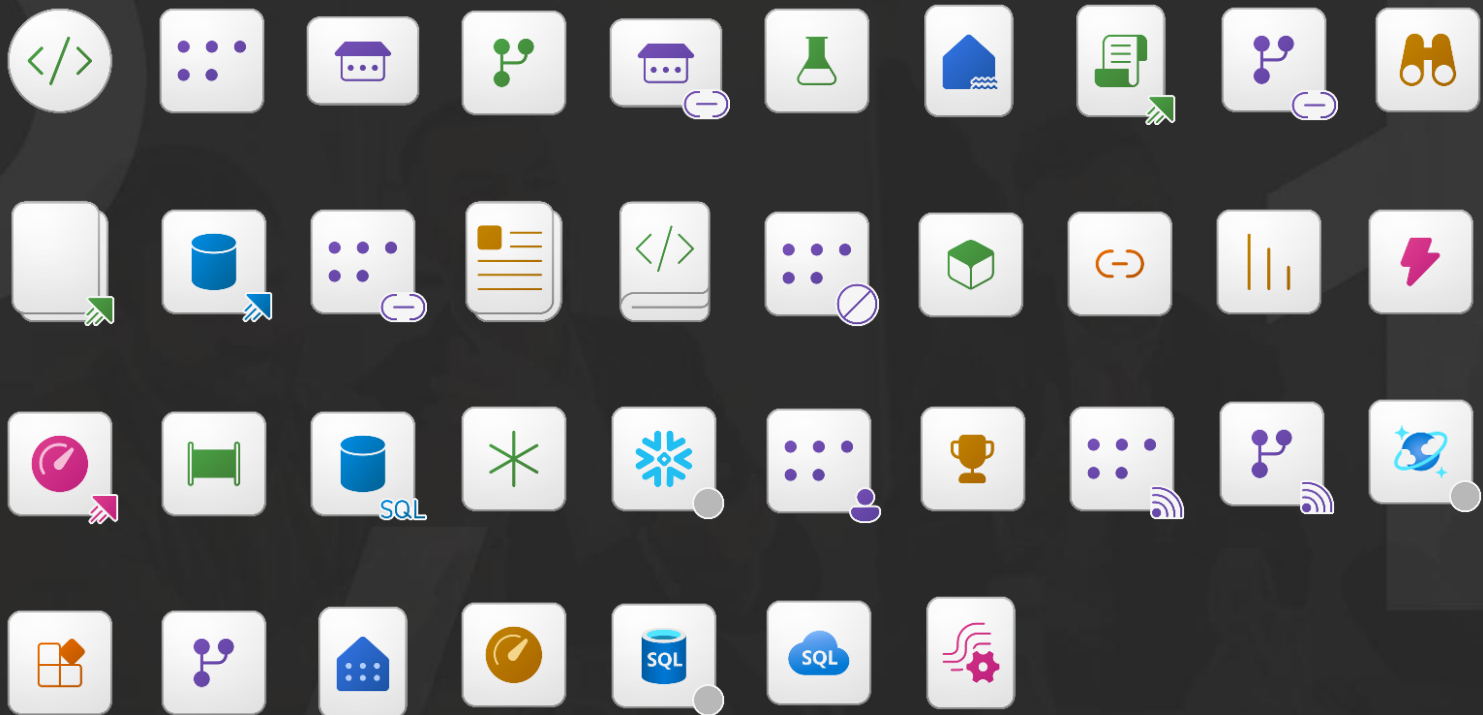
Fabric as Code



Git and Azure DevOps



Deployment Pipelines





Fabric as Code



Git and Azure DevOps



Deployment Pipelines

[illegible]



Fabric as Code



Git and Azure DevOps



Deployment Pipelines



Power BI report

Options

GLOBAL

- Data Load
- Power Query Editor
- DirectQuery
- R scripting
- Python scripting
- Security
- Privacy
- Regional Settings
- Updates
- Usage Data
- Diagnostics
- Preview features**
- Save and Recover

- ☒ Metrics visual [Learn more](#)
- ☒ Quick measure suggestions [Learn more](#) | [Share feedback](#)
- ☒ Field parameters [Learn more](#)
- ☒ On-object interaction [Learn more](#) | [Share feedback](#)
- ☒ Set sensitivity label on exported PDF [Learn more](#)
- ☒ Dynamic format string for measures [Learn more](#)
- ☒ Save to OneDrive and SharePoint [Learn more](#)
 - ☒ Share to OneDrive and SharePoint [Learn more](#)
 - ☐ Saving to OneDrive and SharePoint uploads the file in the background [Learn more](#)
- ☒ Enhanced publish dialogs [Learn more](#)
 - ☐ Publish dialogs support folder selection [Learn more](#)
- ☒ Power BI Project (.pbip) save option [Learn more](#)
 - ☐ Store semantic model using TMDL format [Learn more](#)
 - ☐ Store reports using enhanced metadata format (PBIR) [Learn more](#)



Fabric as Code



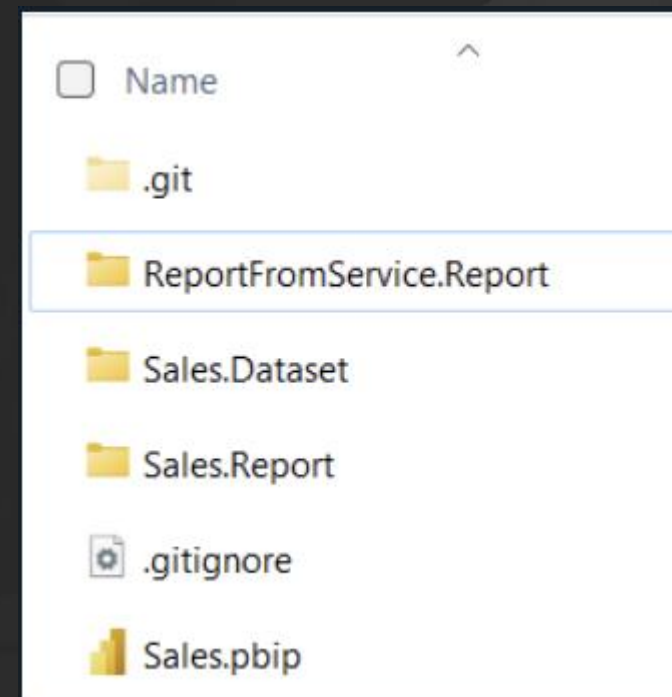
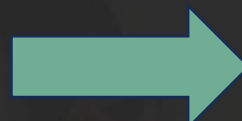
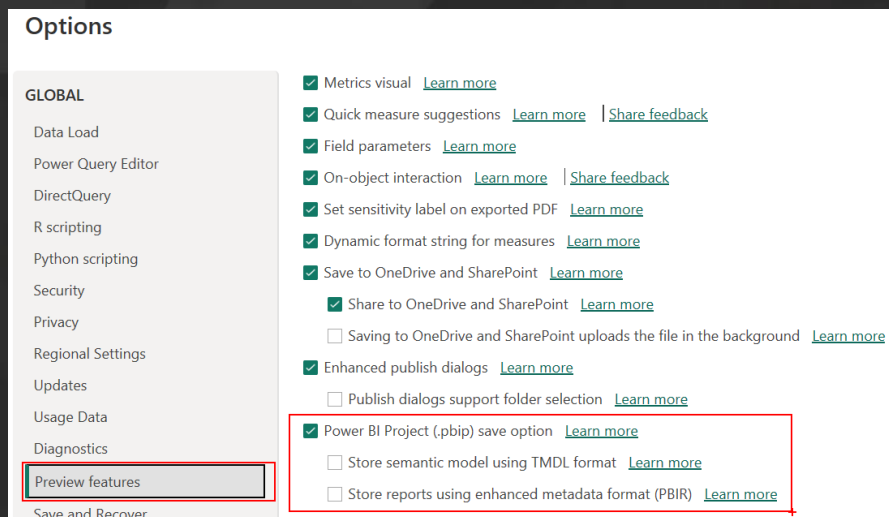
Git and Azure DevOps



Deployment Pipelines



Power BI report





Fabric as Code



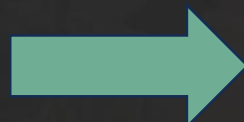
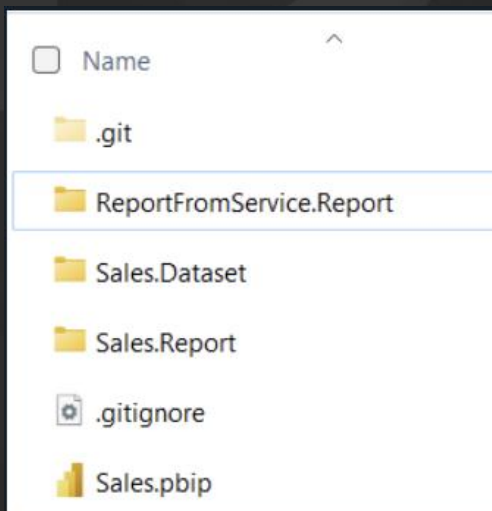
Git and Azure DevOps



Deployment Pipelines



Power BI report



```
{
  "config": "{\\\"version\\\":\\\"5.42\\\",\\\"themeCollection\\\":{\\\"},\\\"activeSectionIndex\\\":0,\\\"layoutOptimization\\\":0,\\\"pods\\\":[
    {
      \"boundSection\": \"ReportSection3\",
      \"config\": \"{\\\"acceptsFilterContext\\\":1}\\\",
      \"name\": \"Pod\"
    },
    {
      \"boundSection\": \"ReportSection4\",
      \"config\": \"{\\\"acceptsFilterContext\\\":1}\\\",
      \"cortanaEnabled\": true,
      \"name\": \"Pod2\"
    }
  ],
  \"sections\": [
    {
      \"config\": \"{\\\"}\\\",
      \"displayName\": \"Bad Hires\",
      \"displayOption\": 0,
      \"filters\": \"[{\\\"name\\\":\\\"Filter\\\",\\\"expression\\\":{\\\"Column\\\":{\\\"Expression\\\":\\\"\\\"}}\\\",
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      \"name\": \"ReportSection\",
      \"ordinal\": 2,
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          \"width\": 240.26,
          \"x\": 24.64,
          \"y\": 6.21,
          \"z\": 0.00
        }
      ]
    }
  ]
}
```



Fabric as Code



Git and Azure DevOps



Deployment Pipelines



Power BI report

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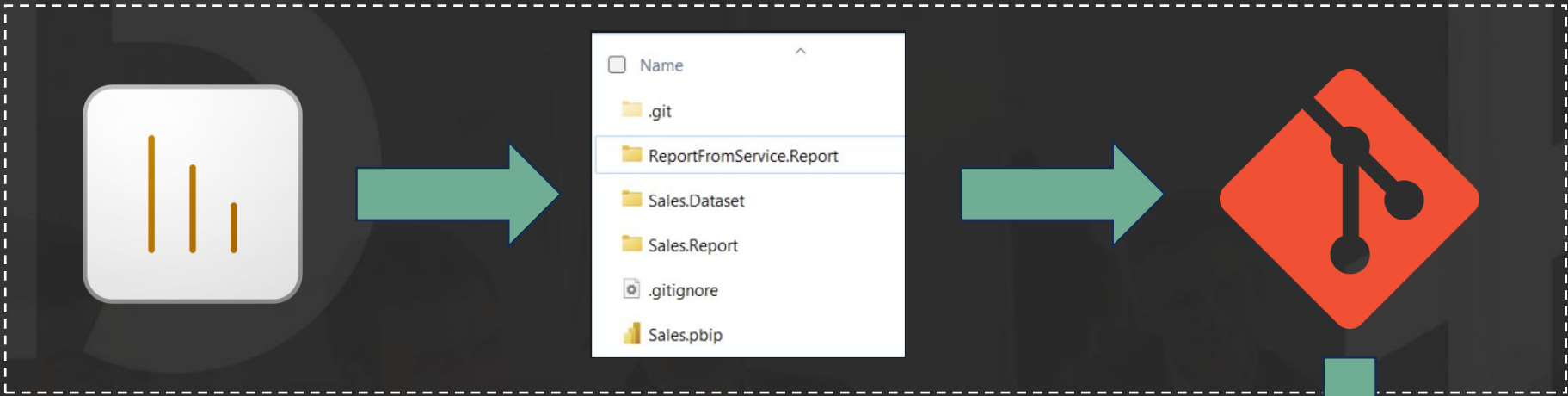


Git and Azure DevOps

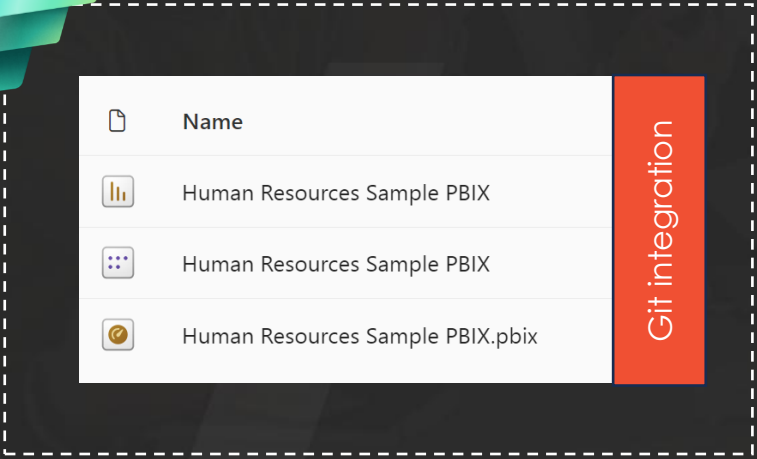


Deployment Pipelines

Local development



Workspace





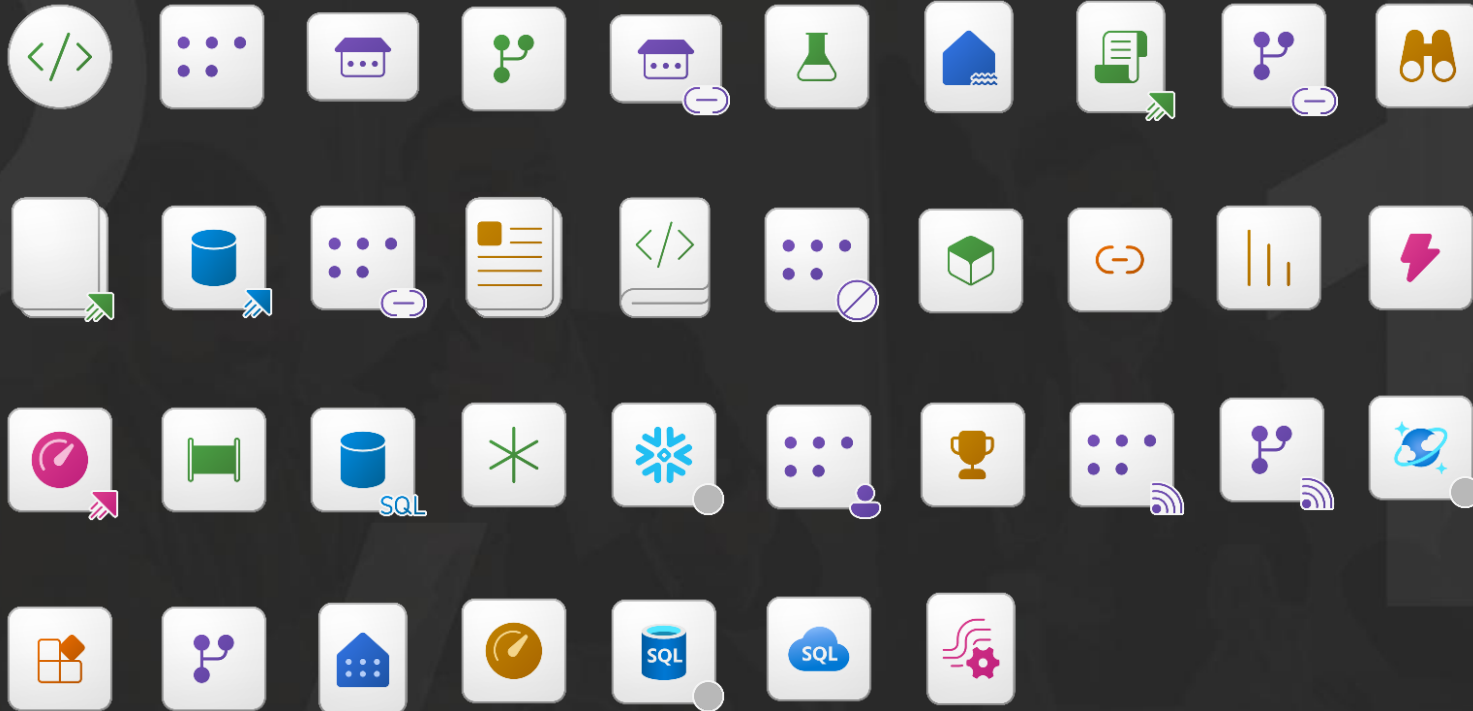
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Git and Azure DevOps



Deployment Pipelines





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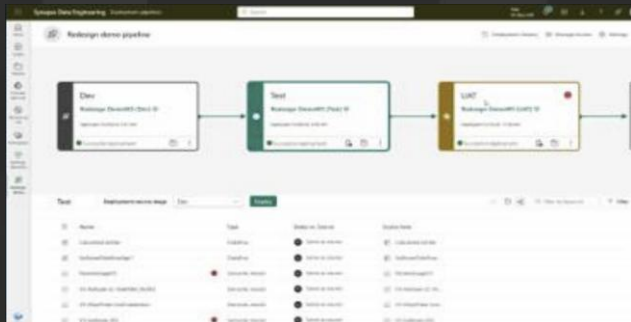


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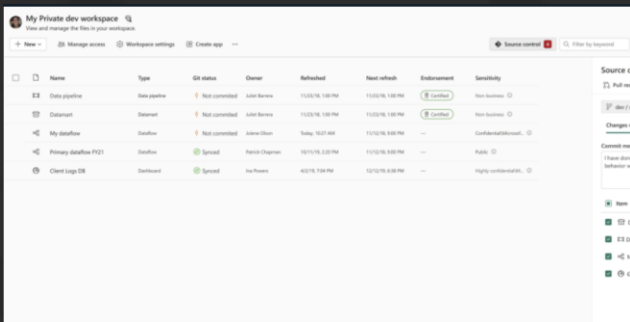
Deployment Pipelines

Deployment pipelines



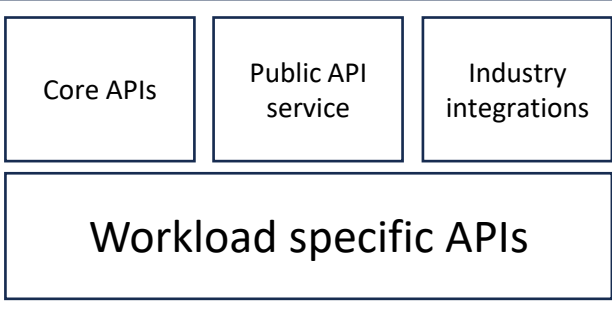
GA

Git integration



Public preview

REST APIs



Public preview

Ease of use
Constraints

Flexibility
Responsibility



Fabric as Code

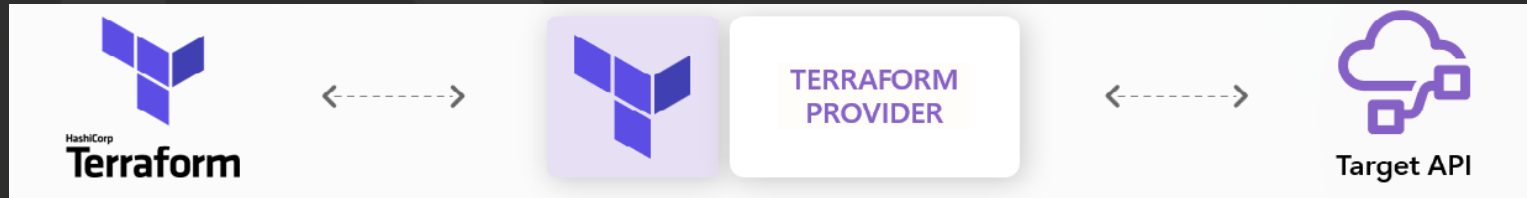


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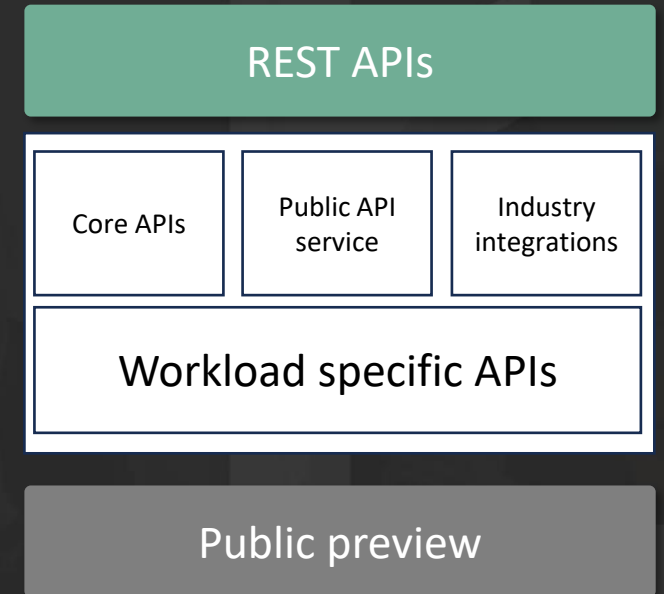


Deployment Pipelines

Announced at FabCon Stockholm



Public Preview (right now, will change over time)
Uses the current APIs from Fabric
Requires Terraform $\geq 1.8.x$
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](#)



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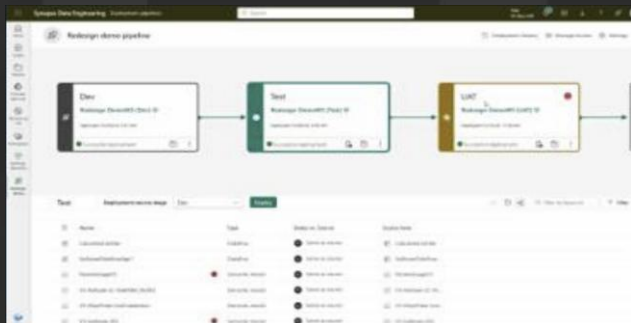


Git and Azure DevOps



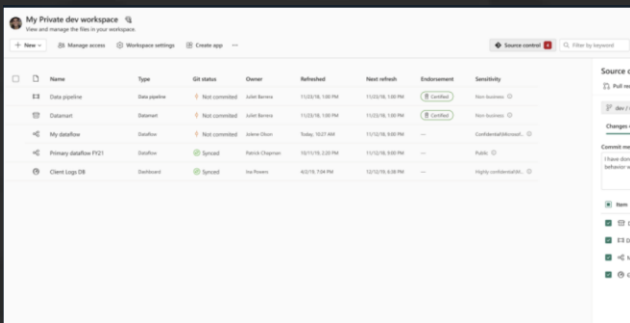
Deployment Pipelines

Deployment pipelines



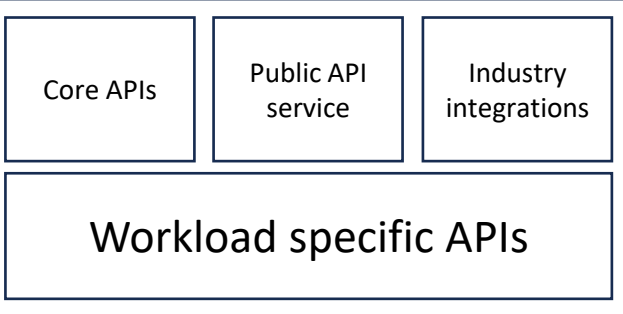
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Public preview

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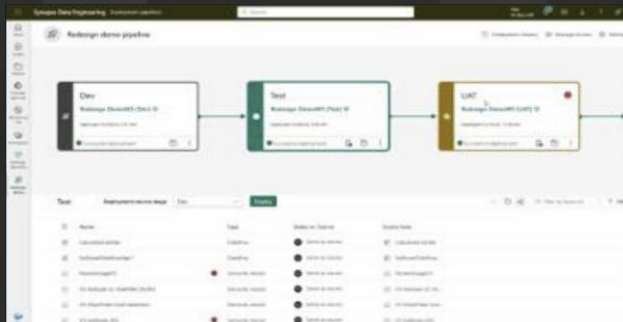


Git and Azure DevOps



Deployment Pipelines

Deployment pipelines



GA

The only CI/CD service in GA for Fabric
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



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Thank you

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Feedback



SOCIAL?

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

 <https://dcode.bi>

 <https://github.com/brianbonk>



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Power BI
2022 >>

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