



DAX Query View Testing Pattern

June 12th, 2025

About Me

Experience

- 11+ years with Microsoft BI stack
- 8+ years with PowerPivot/Power BI
- 5+ years with Azure DevOps

Credentials

- MCSE: Productivity
- MS: PBI Data Analyst
- PMP



Contact Me

 [John Kerski](#)

 [Blog](#)

Slides:



We are going to talk about testing



Agenda

- Why Test?
- DAX Query View (DQV) Testing Patterns
 - PBIX-Pattern
 - PBIP-Pattern
- Git Integration
 - CI-Pattern

Why Build Tests?



Suit of Armor for your Semantic Model



Publish and Pray



The Effects of Testing

- Find Errors Before Your Customers Do
- Never See The Same Error In Production Again
- Build Trust

DataOps

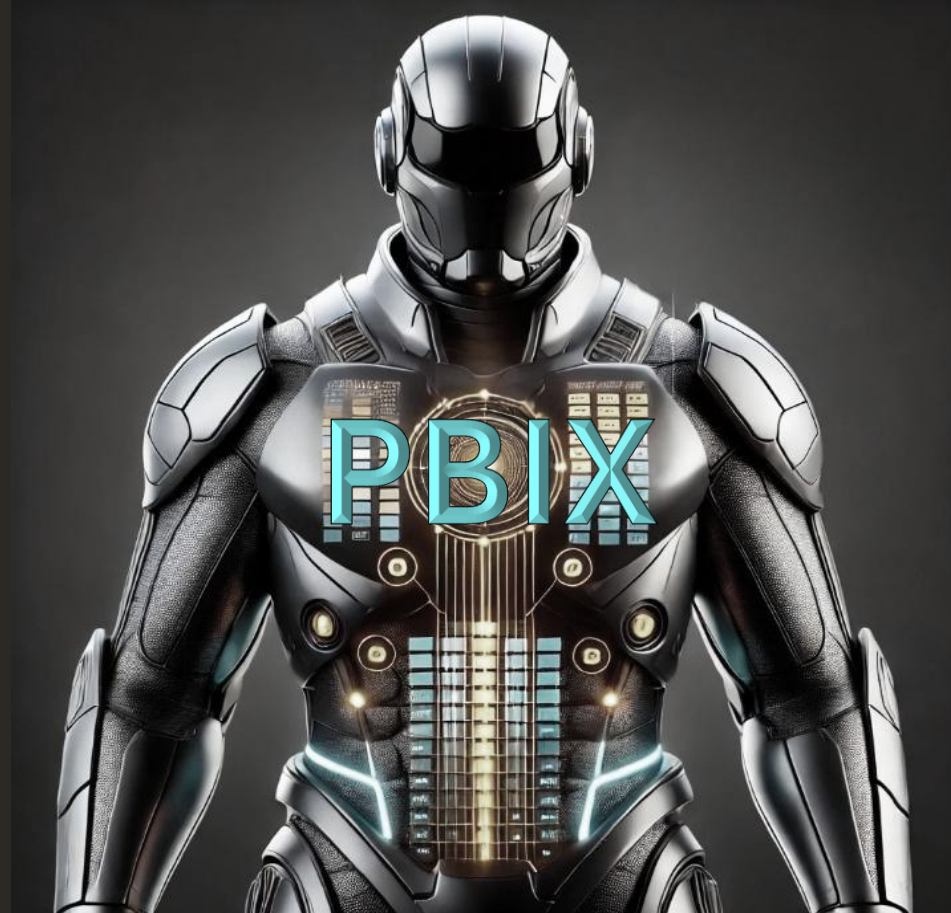


DAX QUERY VIEW TESTING PATTERNS



PBIX-Pattern Prerequisites

1. Recent Release of Power BI Desktop



DAX Query View

PBIX-Pattern

1. Standardize Schema

- TestName | ExpectedValue | ActualValue | Passed

2. Standardize Naming Conventions

- [name].[environment].tests
 - ex. Measures.DEV.Tests, Table.ALL.Test

3. Build Tests

1. Testing Content
2. Testing Calculations
3. Testing Schema



Something's wrong with one or more fields. [See details](#)



Something's wrong with one or more fields. [See details](#)

PBIP-Pattern Prerequisites

1. Recent Release of Power BI Desktop
2. PBIP Format
3. Visual Studio Code
4. PowerShell Core



Frequently Asked Questions

How long should you factor for building a test?

- 30-40 minutes first couple of iterations
- 5-10 minutes when routine

How many tests should I build?

- When errors occur in test and prod, then build a test

How do I “sell” testing to my boss/leadership?

- Focus more on new features rather than fixing old features
- Bad Data = Bad Decisions

Git Integration *Continuous Integration Pattern*



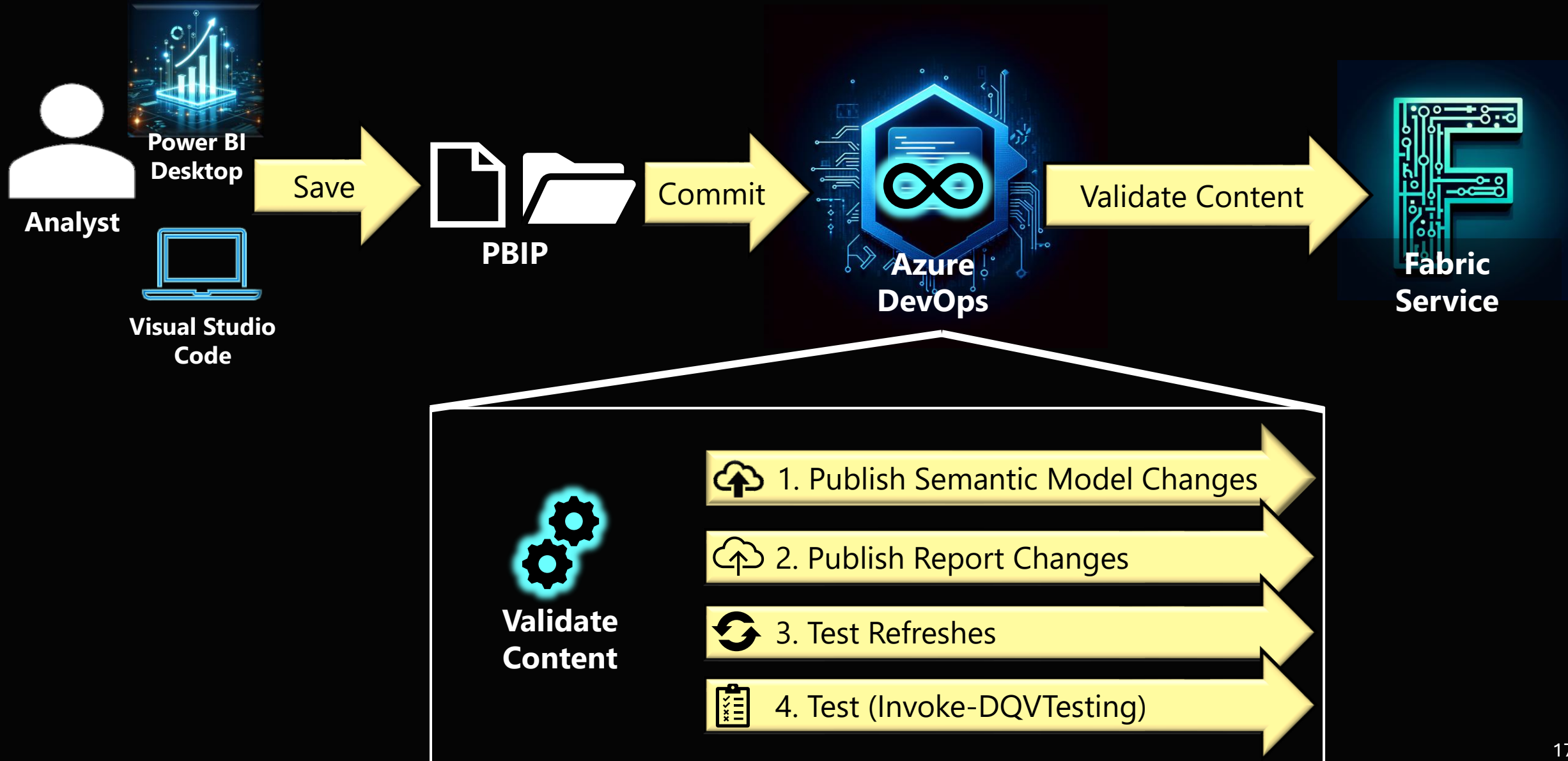
Continuous Integration (CI) Pattern

Prerequisites



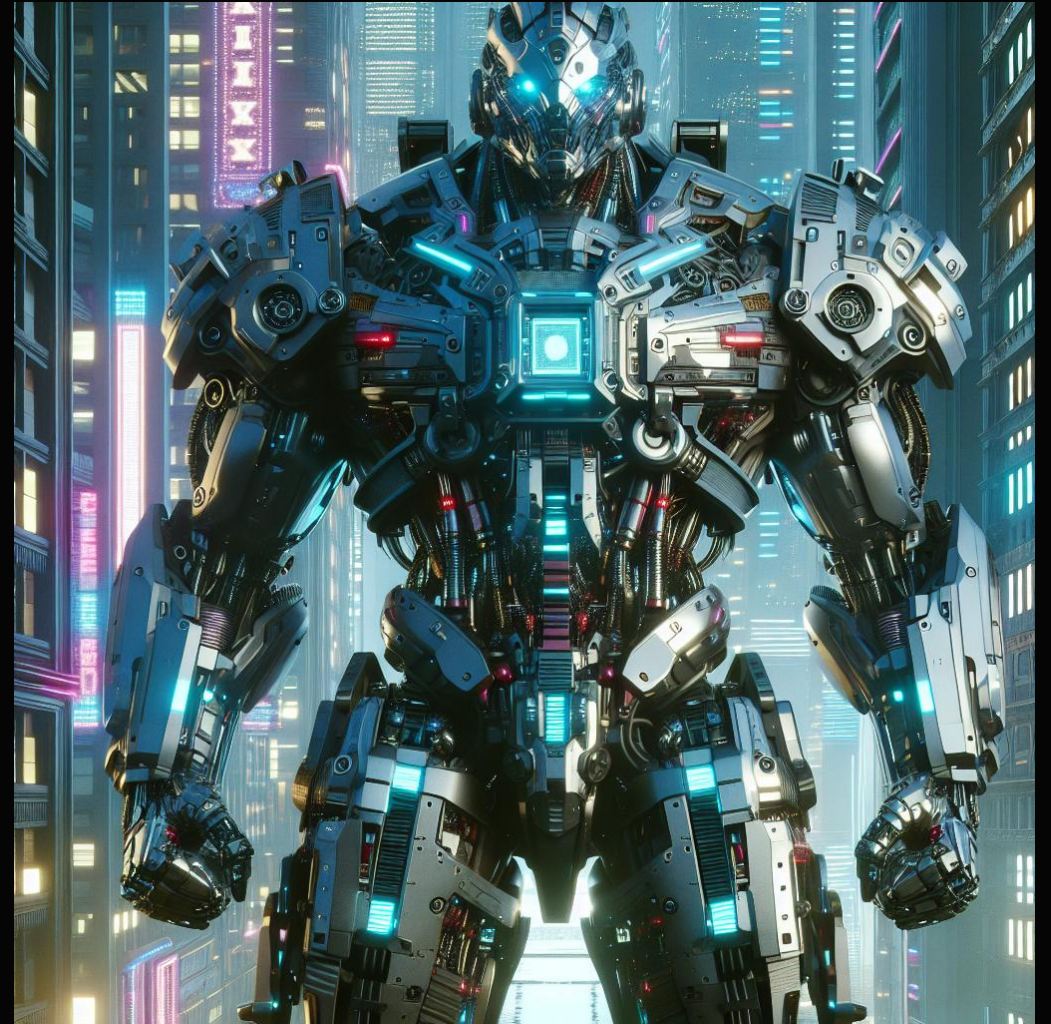
1. PBIP Format
2. Visual Studio Code
3. Git
4. Azure DevOps
5. XMLA/Service Principals
6. Premium-backed workspace
 - Will work with PPU

CI Pattern



Above Beyond

- Store Test Results in OneLake
- Azure DevOps + Fabric Notebooks
- RLS/OLS Testing + Notebooks
- Idea – API Support for DAX Queries



Questions?

