Automated Testing with DAX Query View and Git Integration

About Us

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Agenda

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

Why Test?

- Find Errors Before Your Customers Do
- Never See The Same Error In Production Again
- Tests are your Safety Net

DataOps

DAX QUERY VIEW TESTING PATTERNS

PBIX-Pattern Prerequisites

1. Recent Release of Power BI Desktop

DAX Query View

PBIX-Pattern

1. Standardize Schema and Naming Conventions
   - [name].[environment].tests
2. Build Tests
   1. Testing Content
   2. Testing Calculations
   3. Testing Schema

PBIP-Pattern Prerequisites

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

Git Integration
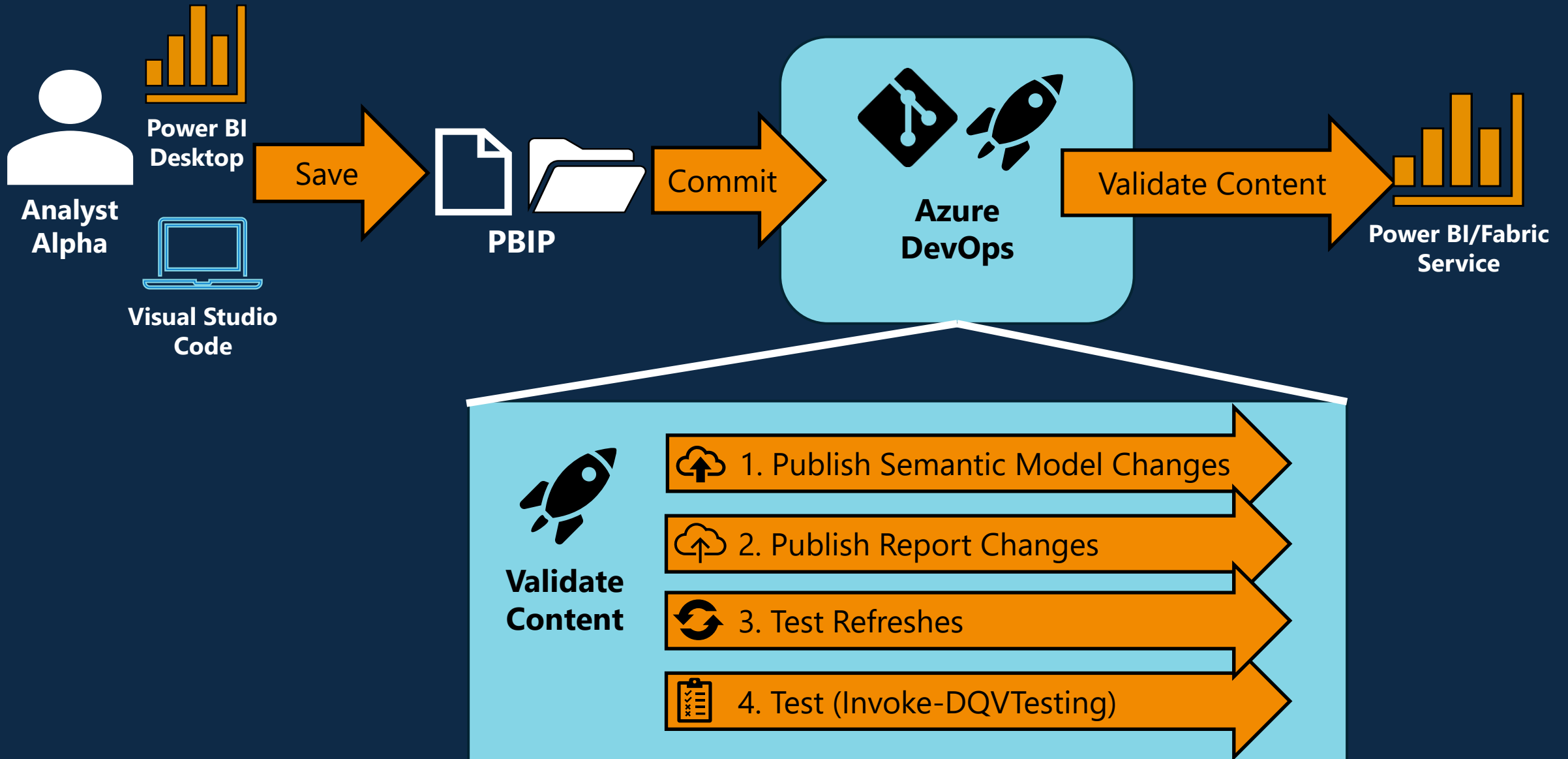*Continuous Integration Pattern*

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

Analyst Alpha

Power BI Desktop

Visual Studio Code

Save

PBIP

Commit

Azure DevOps

Validate Content

Power BI/Fabric Service

Validate Content

1. Publish Semantic Model Changes

2. Publish Report Changes

3. Test Refreshes

4. Test (Invoke-DQVTesting)

Thank you!

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Lunch on Saturday

- 12:30 to 2:00.
- Closes promptly at 2:00.
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Please give session evaluations to the speaker in the room.

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Closing Ceremony

Please join us in the in the **auditorium** for the closing ceremony **right after the last session** of the day.

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