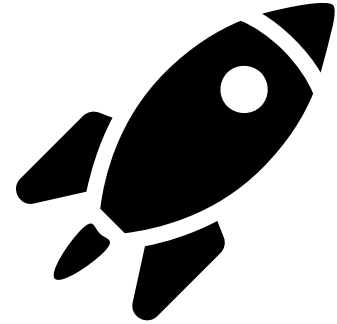


DAX



Automated Testing

with Git Integration and DAX Query View

July 13th, 2024

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



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Slides:



Agenda

- Why Test?
- DAX Query View (DQV) Testing Pattern
 - Git Integration
 - DAX Query View
- PBIP Deployment & DQV Testing Pattern
 - Automation

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 PATTERN

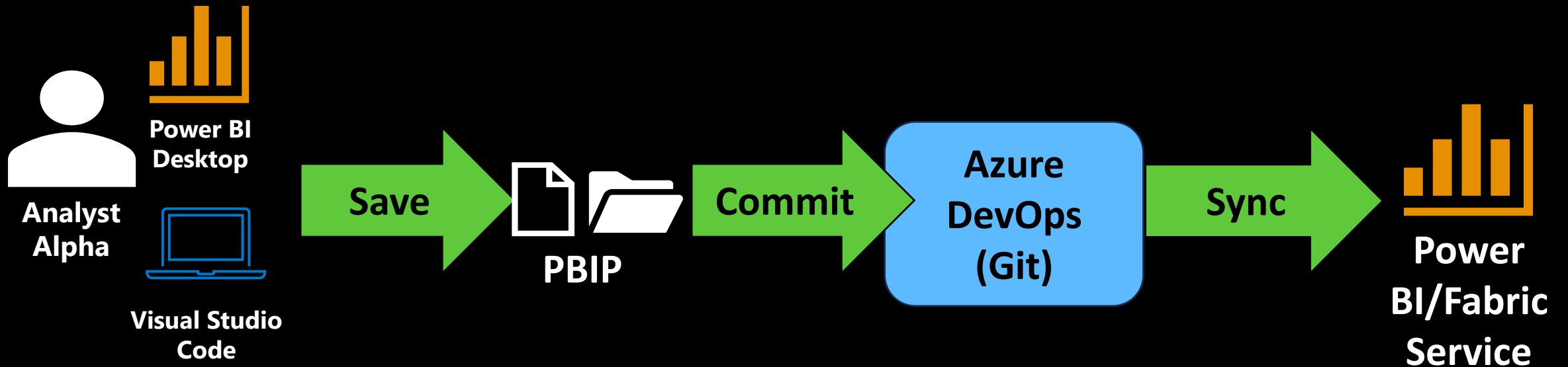


DAX Query View Testing Pattern

Prerequisites

1. DAX Query View (DQV)
2. PBIP Format
3. Azure DevOps
4. Visual Studio Code
5. PowerShell Core

PBIP and Git Integration



DAX Query View Pattern

1. Setup Workspace Governance
 - DEV, TEST, PROD
2. Standardize Schema and Naming Conventions
 - [name].[environment].tests
3. Build Tests
 1. Testing Calculations
 2. Testing Content
 3. Testing Schema
4. Automate Local Testing – *Invoke-DQVTesting –Local*

PBIP Deployment & DQV Testing Pattern

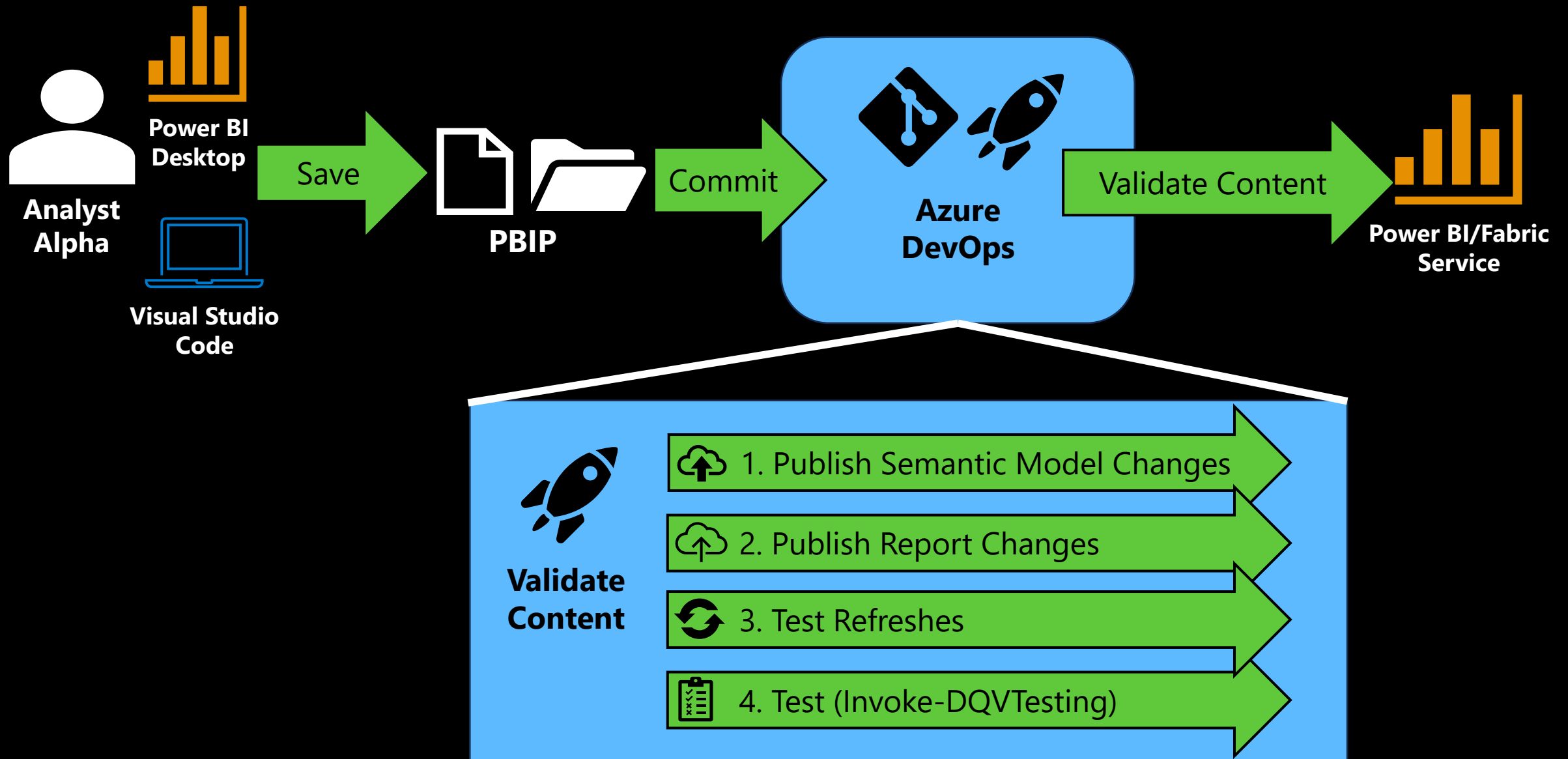


PBIP Deployment & DQV Testing Pattern

Prerequisites

1. DAX Query View Testing
2. Azure DevOps
3. XMLA/Service Principals
4. Premium-backed workspace
 1. Will work with PPU

PBIP Deployment & DQV Testing Pattern (cont.)



Questions?

