

# **Automated Testing with Git Integration & DAX Query View**

May 28<sup>th</sup>, 2024



# About Me

## Experience

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

## Contact Me

 @JKerski

 [John Kerski](#)

 [Blog](#)

## Credentials

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

## Slides

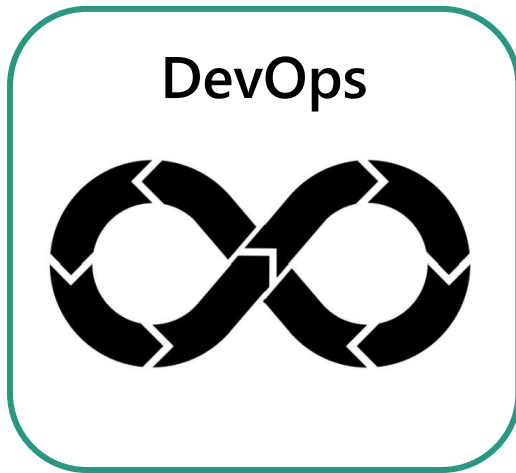


**John Kerski**

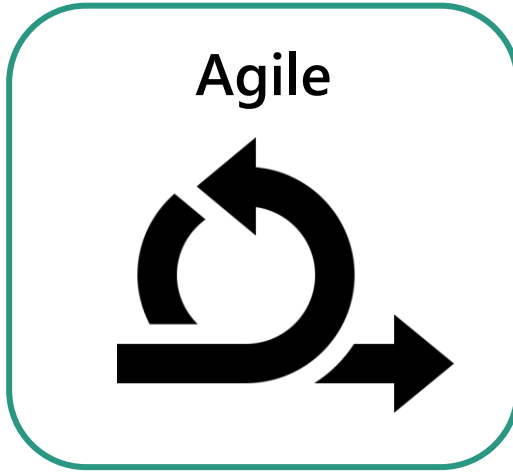
# Agenda

- DataOps
- Patterns
- DAX Query View (DQV) Testing Pattern
  - Git Integration
  - DAX Query View
- PBIP Deployment & DQV Testing Pattern
  - Automation

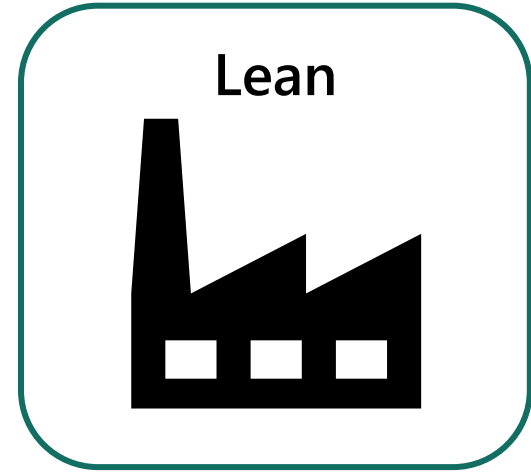
# What is DataOps?



+



+

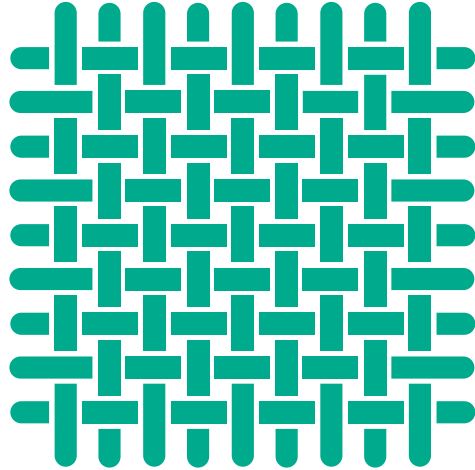


Video

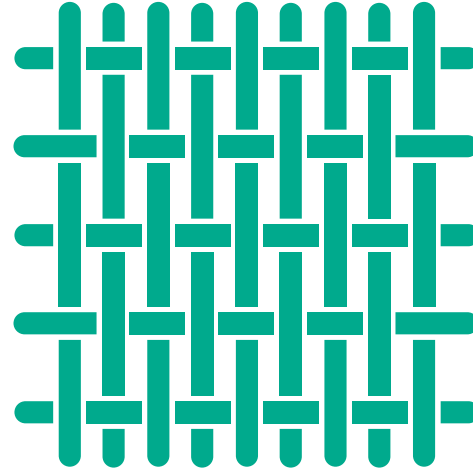


# Fabric Weave Patterns

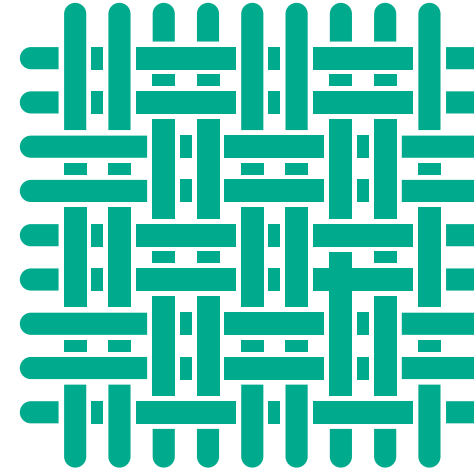
Plain Weave



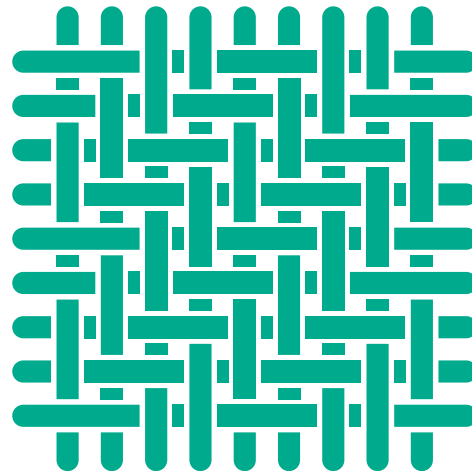
Poplin (Rib Weave)



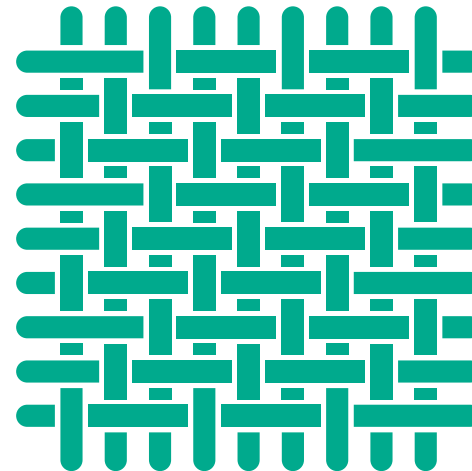
Oxford (Basket Weave)



Gabardine (Twill Weave)



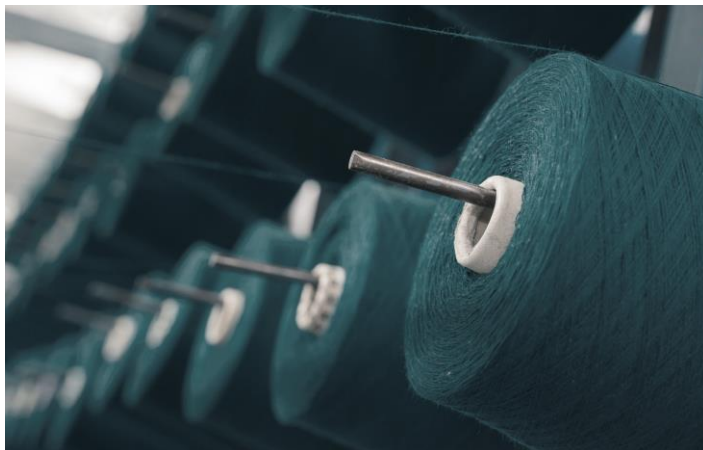
Prunelle (Twill Weave)



# DataOps Principles As The Threads



Make It Reproducible  
*Version Control*



Quality is Paramount  
*Testing*

# DAX QUERY VIEW TESTING PATTERN



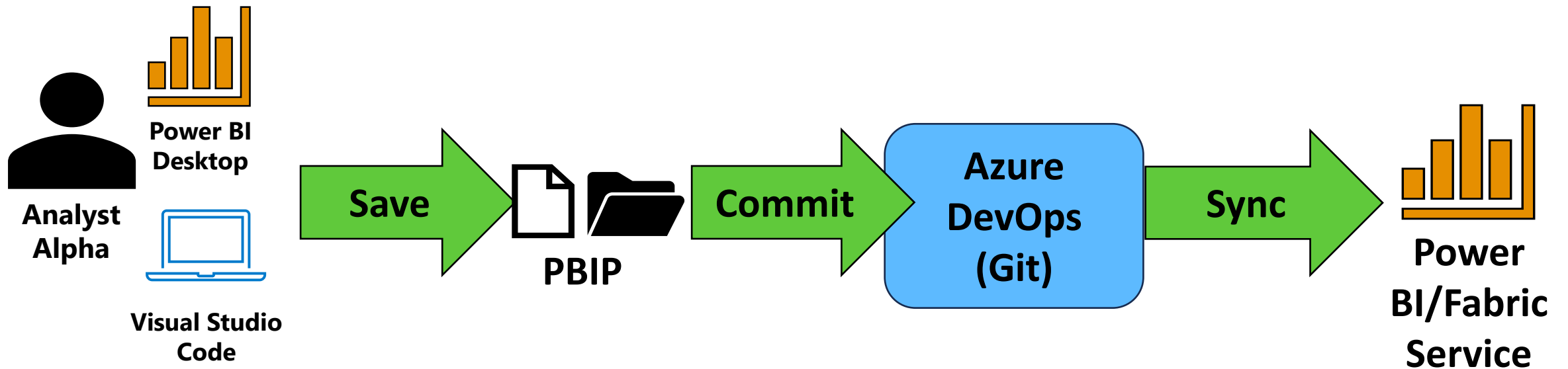
# **DAX Query View Testing Pattern**

## **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



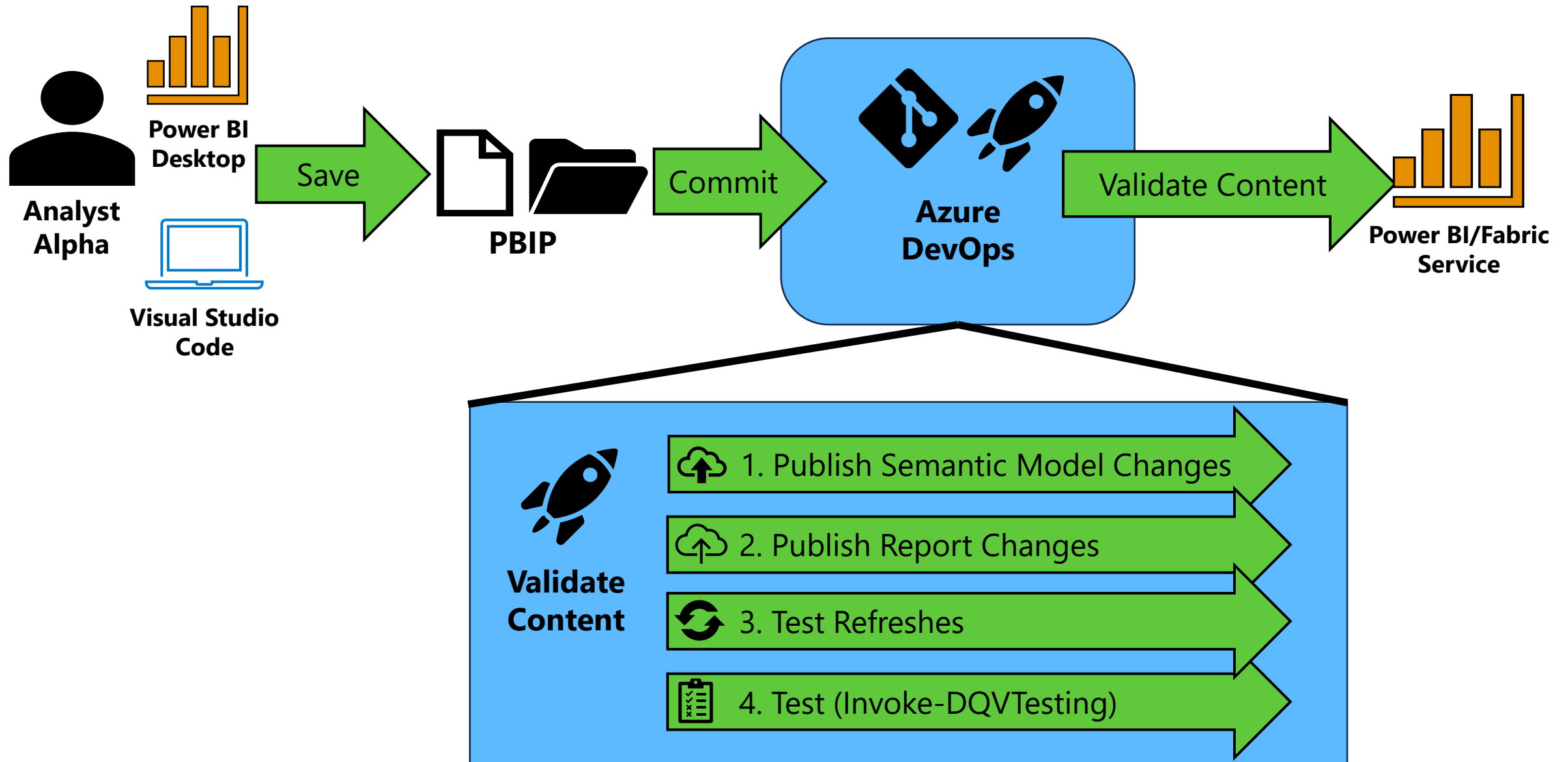
# **PBIP Deployment & DQV Testing Pattern**

## **Prerequisites**

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



# PBIP Deployment & DQV Testing Pattern (cont.)



# Questions



# Next Steps

<https://github.com/kerski/fabric-dataops-patterns>



# Thank you

Contact Me

X @JKerski

in [John Kerski](#)

 [Blog](#)

Slides

