

# How to Weave DataOps into Microsoft Fabric

May 4<sup>th</sup>, 2024



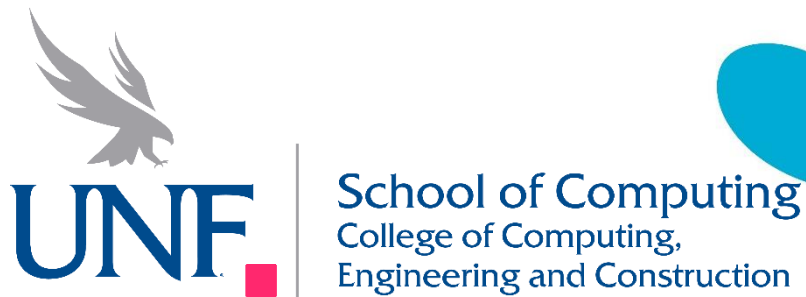




Thank you to ALL of our sponsors! - Be sure to stop by all tables!



AI Platinum



Gold

Silver


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Monthly Meetings  
3rd Wednesday of each month  
[jssug.org](http://jssug.org)

# SQL CLINIC

Get your SQL Questions answered here  
by our SQL Experts

(Across from Registration)

#SQLSatJax



#1068 - Jacksonville, FL - May 4th, 2024

# 501 Legion Charitable Donation & LEGO Drive

**Thank the 501 Legion for Supporting Our Event!**

**JSSUG Will Match Donations up to \$1000**

**Donation Bucket on Registration Table**

**LEGO donation on V for Victory Table**



# Costume Contest Rules

1. Take a picture with the SQL Saturday Backdrop during the event
2. Post the picture to Twitter/X and include the hashtag #SQLSatJax24CC
3. The tweet using the hashtag that has the most "likes" wins a prize!

# Session Evaluations

**Your feedback is important to us!**

**Please fill out and hand to speaker after the session!**

# Event Evaluation

**Fill out event evaluation card in your bag and visit all sponsors to be entered to win an Xbox Series X – (Must be present to win)**



# 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



**John Kerski**

## Contact Me

 @JKerski

 [John Kerski](#)

 [Blog](#)

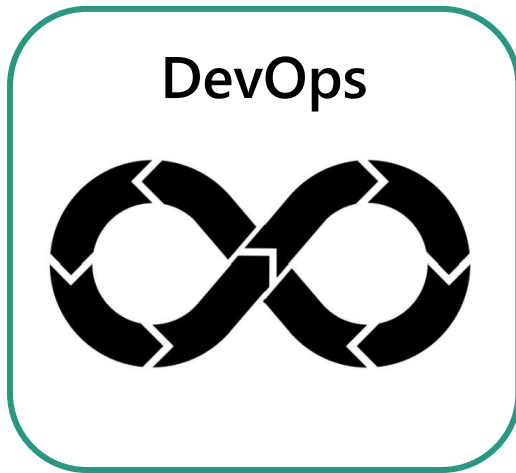
## Slides



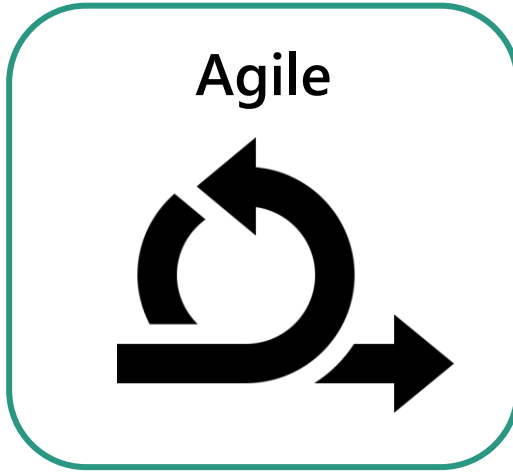
# Agenda

- DataOps
- Patterns
- DAX Query View Testing Pattern
- PBIP Deployment and Automated Testing Pattern
- Next Steps

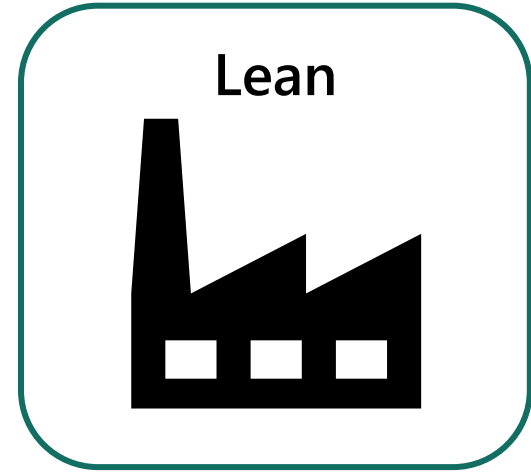
# What is DataOps?



+



+



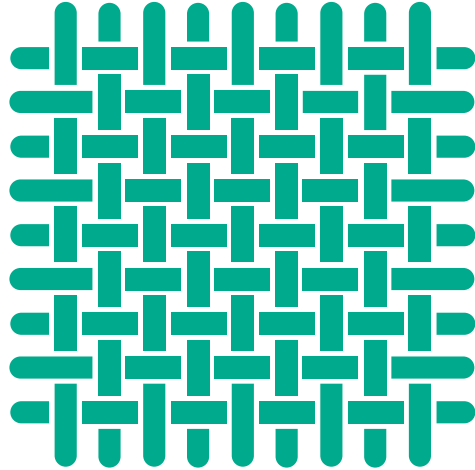
Video



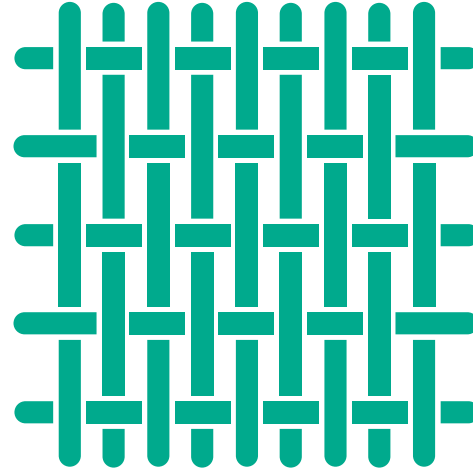


# Fabric Weave Patterns

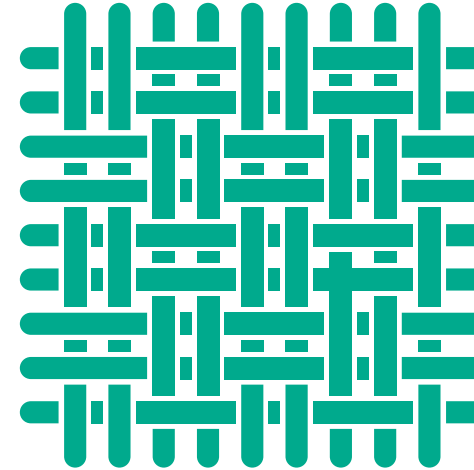
Plain Weave



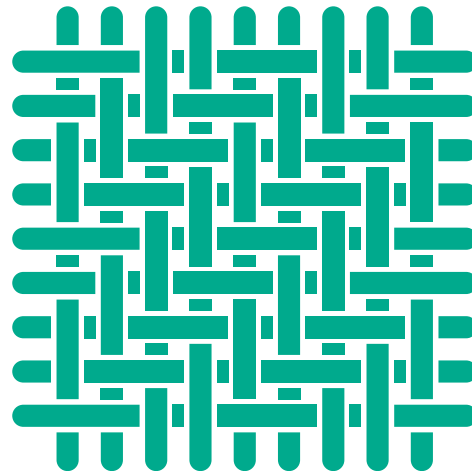
Poplin (Rib Weave)



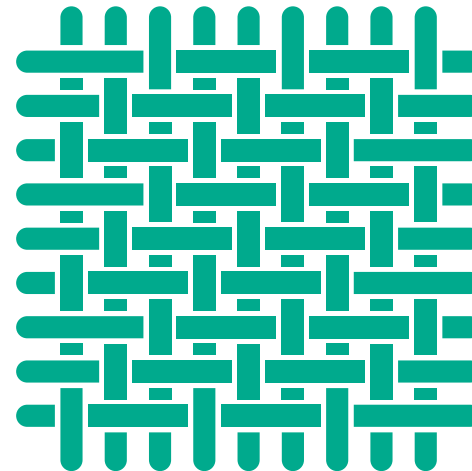
Oxford (Basket Weave)



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



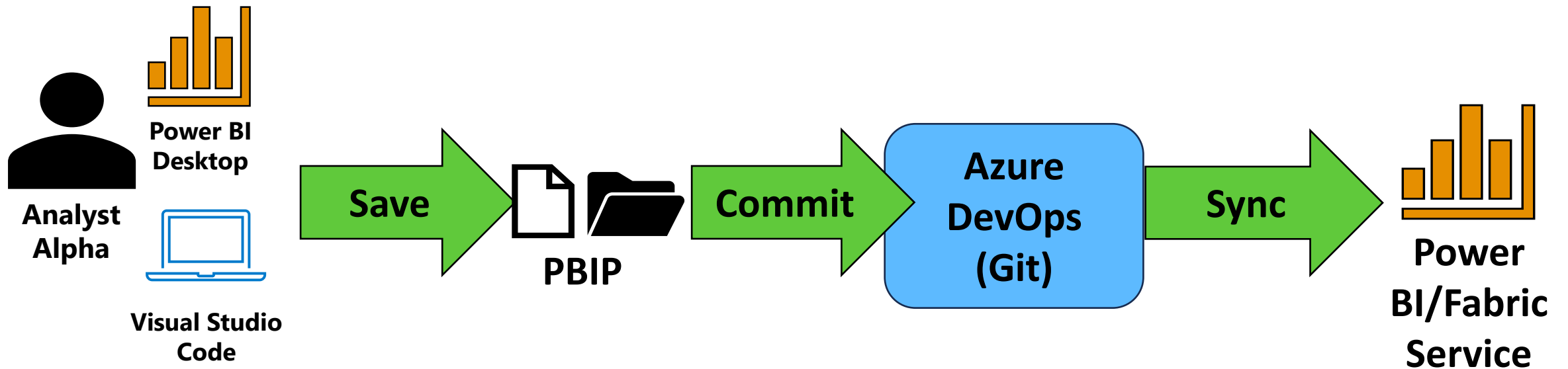


# **DAX Query View Testing Pattern**

## **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].test
3. Build Tests
  1. Testing Calculations
  2. Testing Content
  3. Testing Schema
4. Automate Local Testing – *Invoke-DQVTesting –Local*



# PBIP Deployment & DQV Testing Pattern

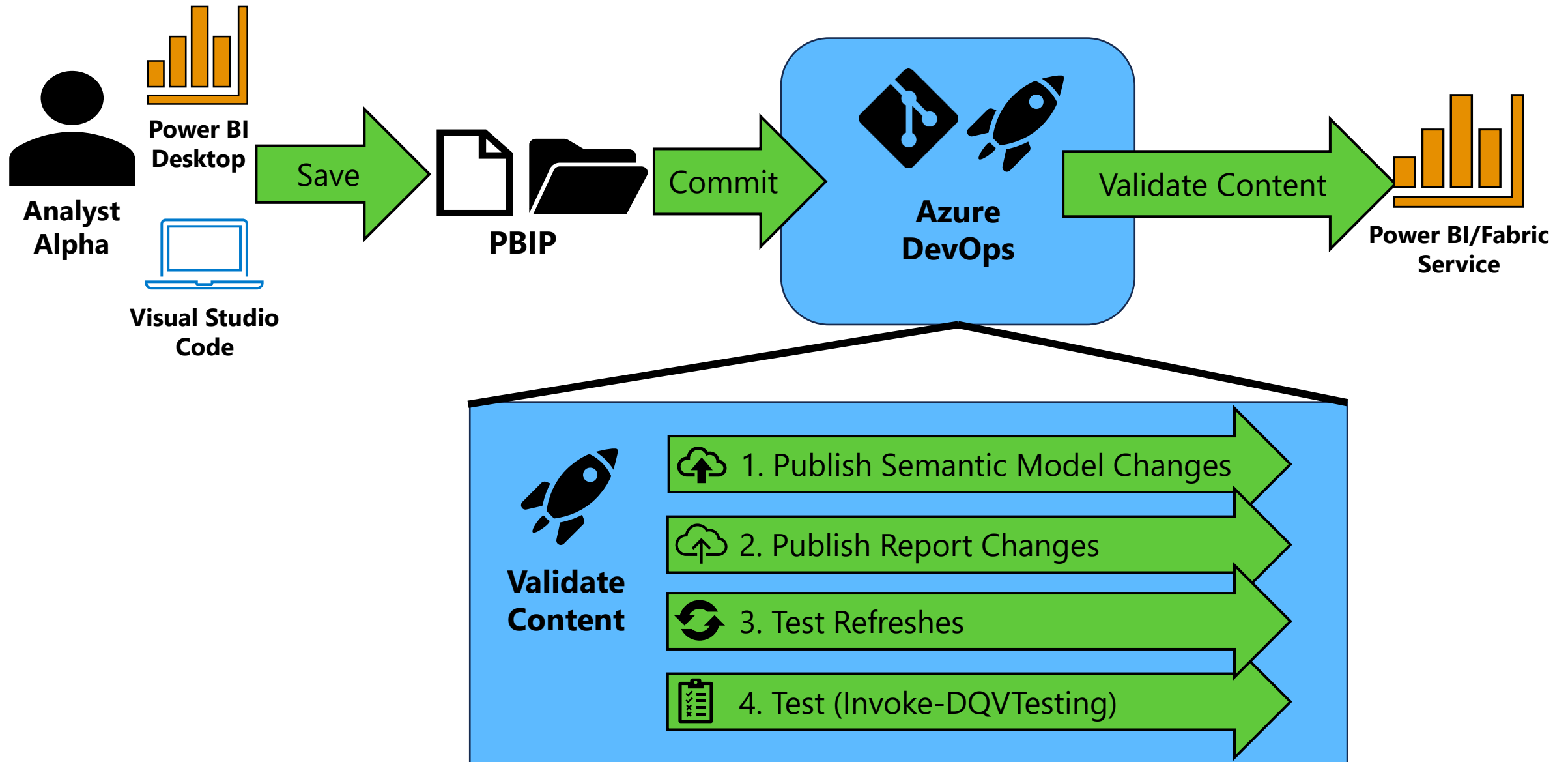


# **PBIP Deployment & DQV Testing Pattern**

## **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

