



GOLD SPONSORS



SILVER SPONSORS



BRONZE SPONSORS

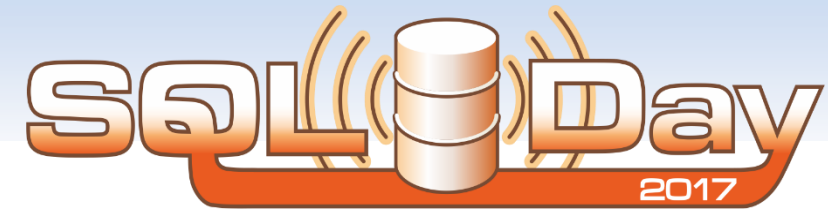


STRATEGIC PARTNER





Data
Community



Czy DBA może odnaleźć się w świecie DevOps?

Dariusz Porowski | Microsoft

Dariusz Porowski

Senior Technical Evangelist  Microsoft



Strefa.MS



fb.com/Strefa.MS



GitHub.com/DariuszPorowski



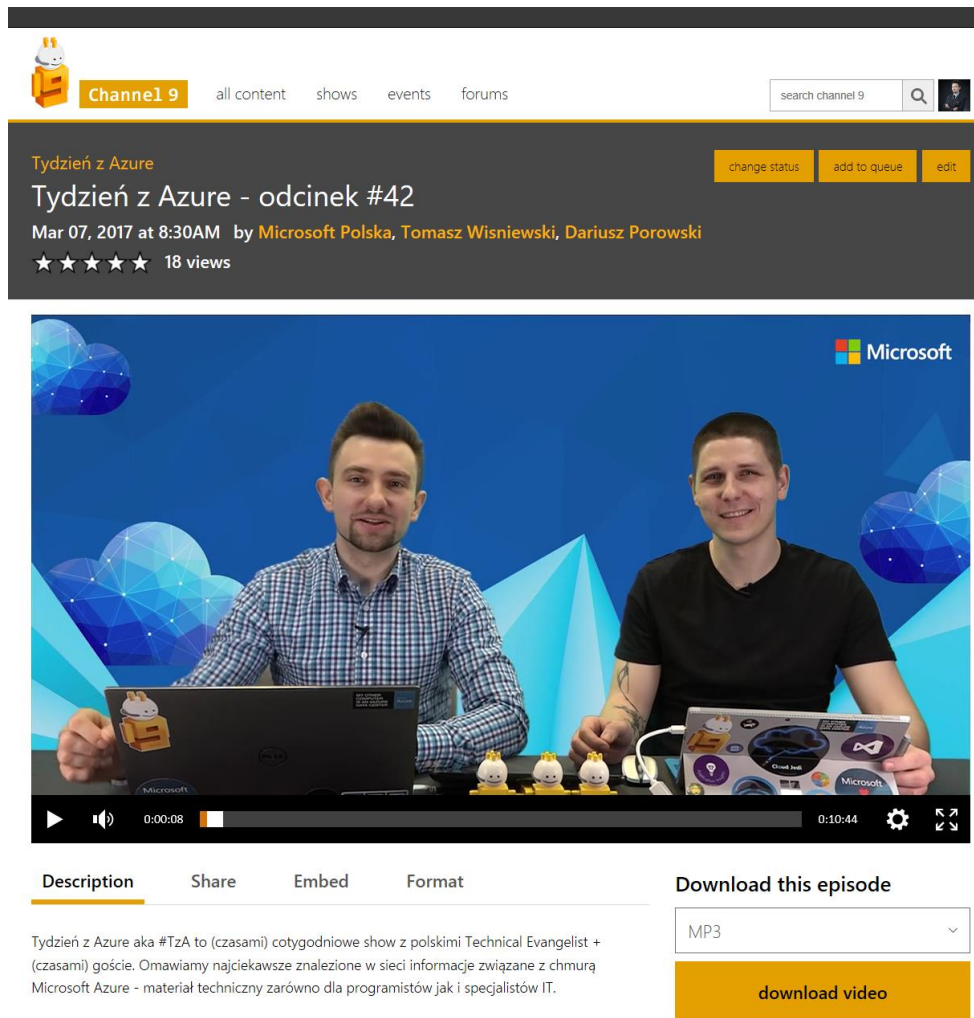
@DariuszPorowski

Dariusz.Porowski@microsoft.com



Tydzień z Azure #TzA

aka.ms/TzA



The screenshot shows the Channel 9 video player interface. At the top, there's a navigation bar with 'Channel 9' and links for 'all content', 'shows', 'events', and 'forums'. A search bar is also present. Below the navigation bar, the video title 'Tydzień z Azure - odcinek #42' is displayed, along with the date 'Mar 07, 2017 at 8:30AM' and the authors 'Microsoft Polska, Tomasz Wisniewski, Dariusz Porowski'. The video has 18 views and a 4-star rating. The video player itself shows two hosts sitting at a desk with laptops, with a Microsoft logo in the top right corner. Below the video player, there's a 'Description' tab selected, showing the video's details. To the right of the description, there's a 'Download this episode' section with a dropdown menu set to 'MP3' and a 'download video' button.

Channel 9 all content shows events forums search channel 9

Tydzień z Azure
Tydzień z Azure - odcinek #42
Mar 07, 2017 at 8:30AM by Microsoft Polska, Tomasz Wisniewski, Dariusz Porowski
★★★★★ 18 views

change status add to queue edit

Microsoft

Description Share Embed Format

Tydzień z Azure aka #TzA to (czasami) cotygodniowe show z polskimi Technical Evangelist + (czasami) goście. Omawiamy najciekawsze znalezione w sieci informacje związane z chmurą Microsoft Azure - materiał techniczny zarówno dla programistów jak i specjalistów IT.

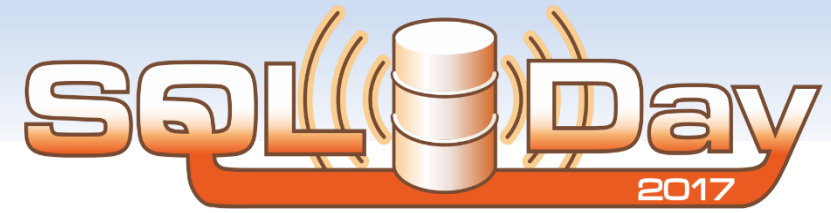
Download this episode

MP3

download video



**Data
Community**



DevOps

Development & Operations

DevOps?

“DevOps is the union of people, process, and products to enable continuous delivery of value to our end users”

Donovan Brown

<http://donovanbrown.com/post/what-is-devops>

DevOps?

- Połączenie najlepszych cech Agile, ITIL i Lean IT
- Dotyka programistów (**Dev**), administratorów (**Ops**), oraz biznes
- Kładzie nacisk, żeby procesy były
 - zwinne (Agile)
 - bezpieczne (ITIL)
 - efektywne (Lean)

Przyszłość?



DevOps

1 Planowanie

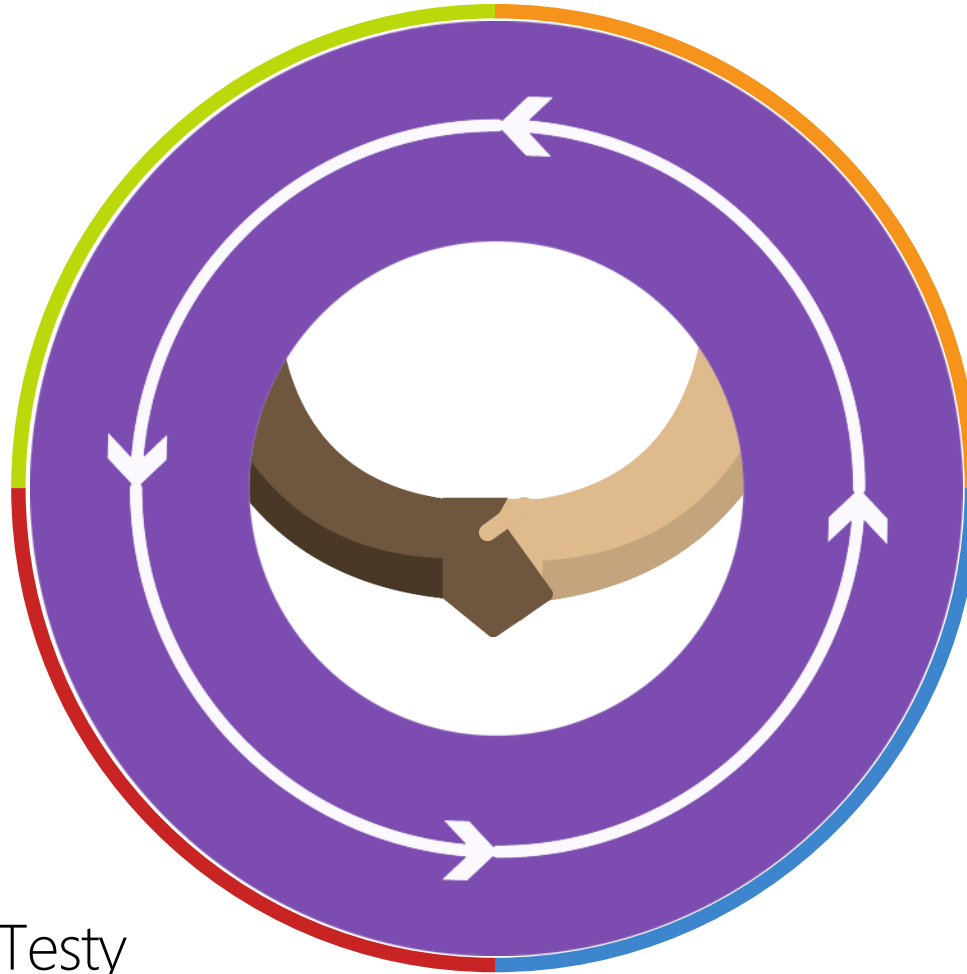
4 Monitorowanie + Wnioski

Development

Operations

2 Rozwój + Testy

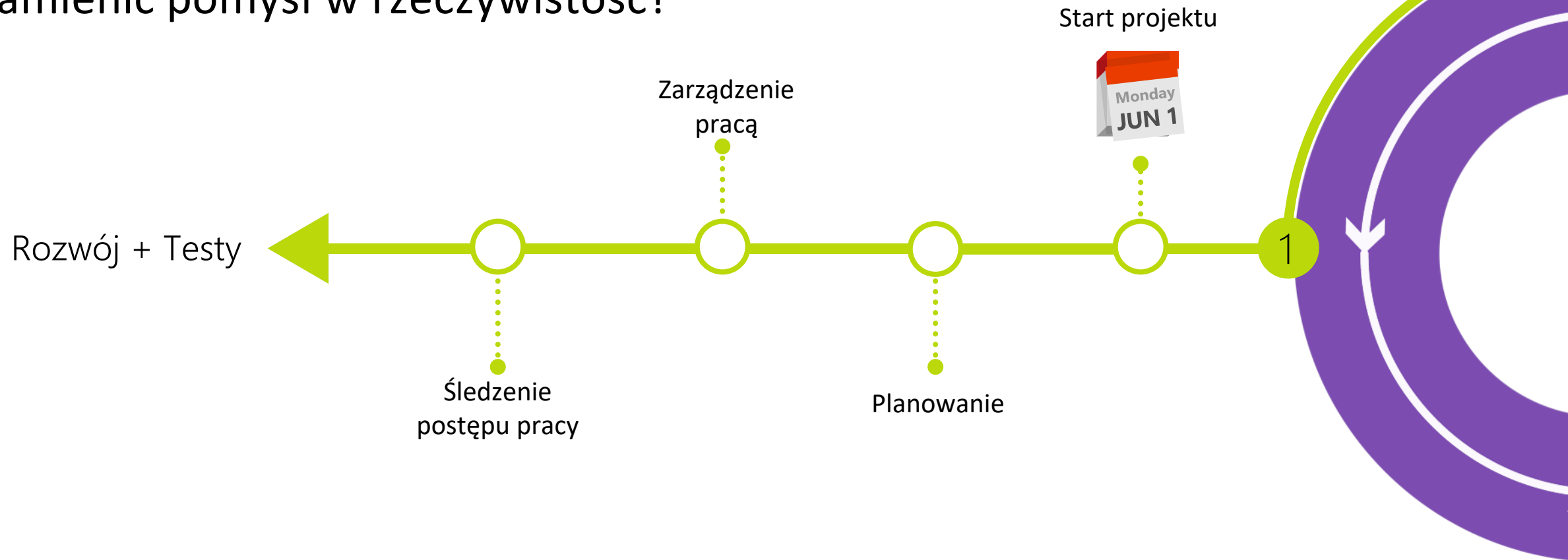
3 Wydanie





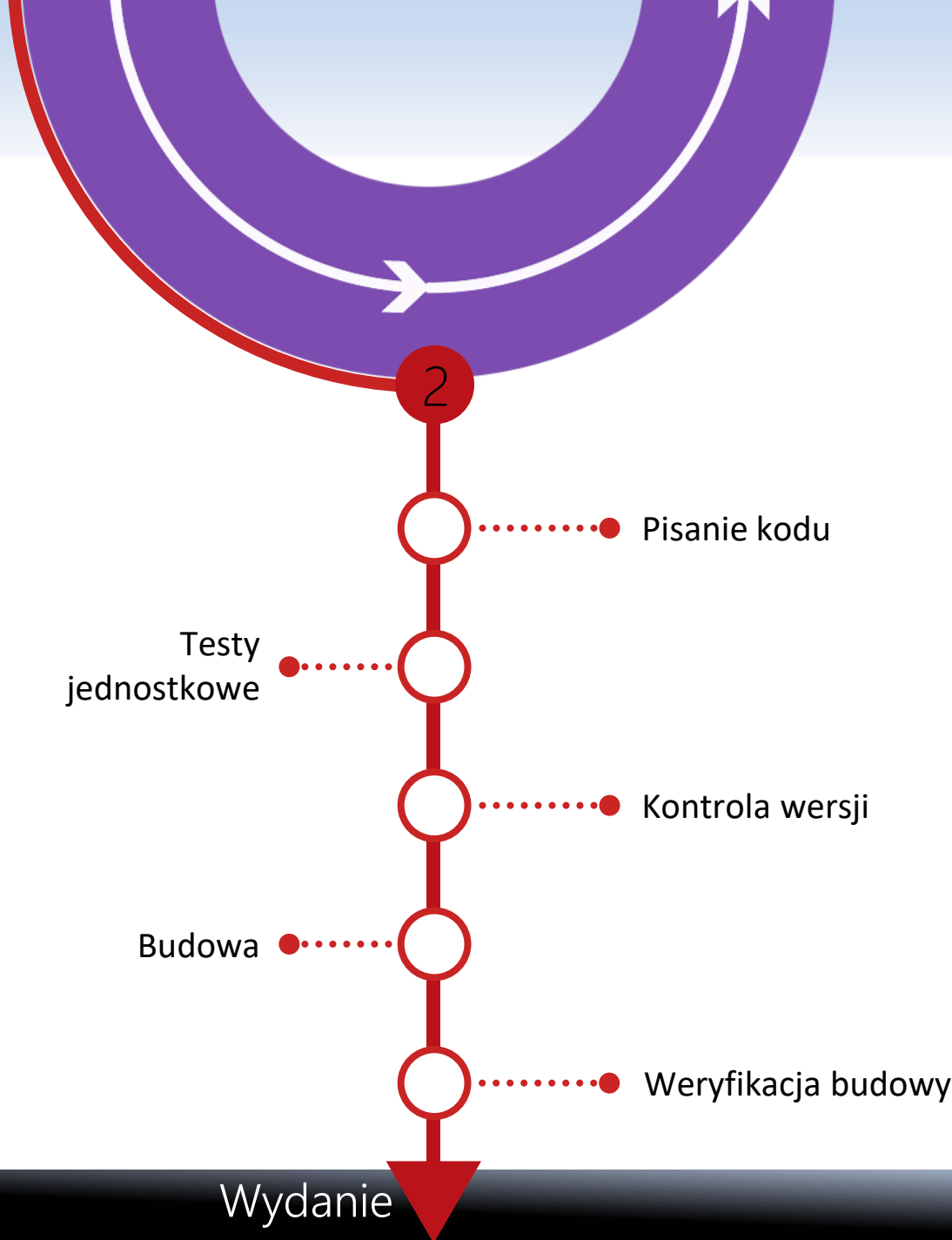
Planowanie

Zaczyna się od pomysłu – jak zamienić pomysł w rzeczywistość?



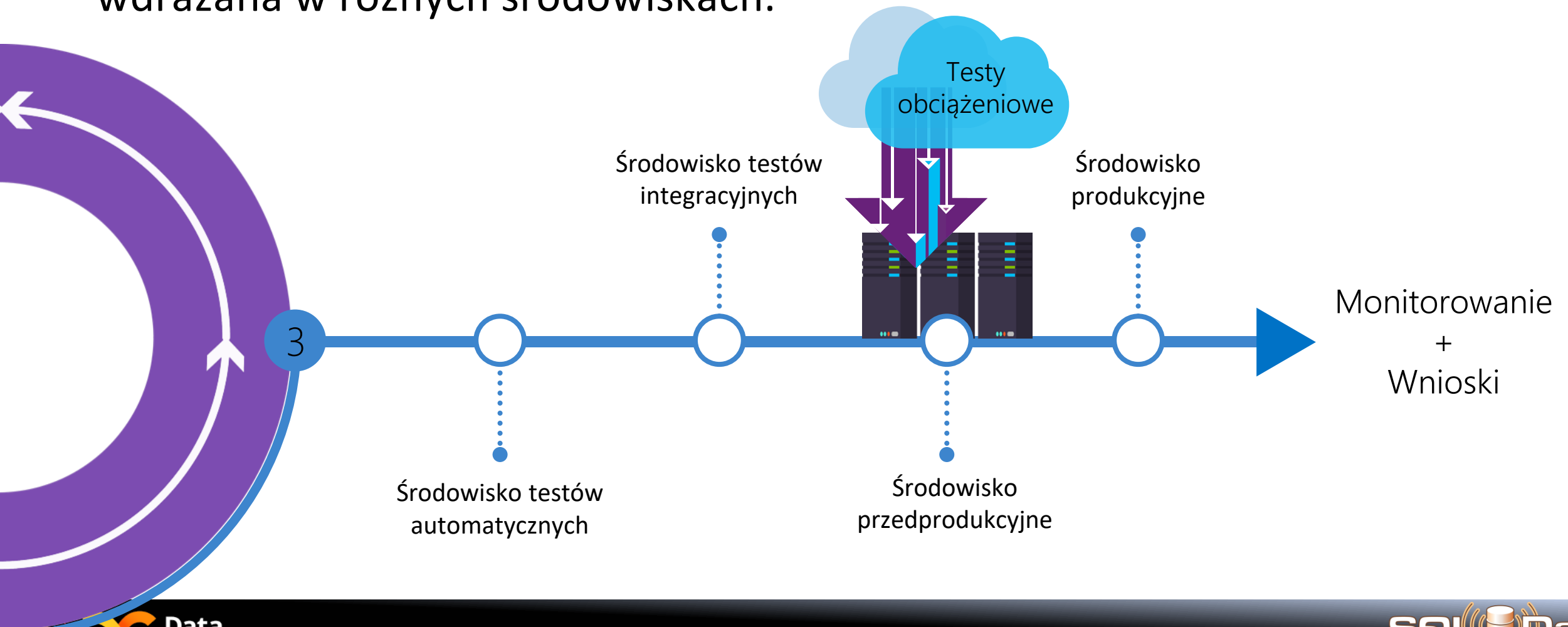
Rozwój + Testy

Programiści przekształcają pomysły w funkcje.

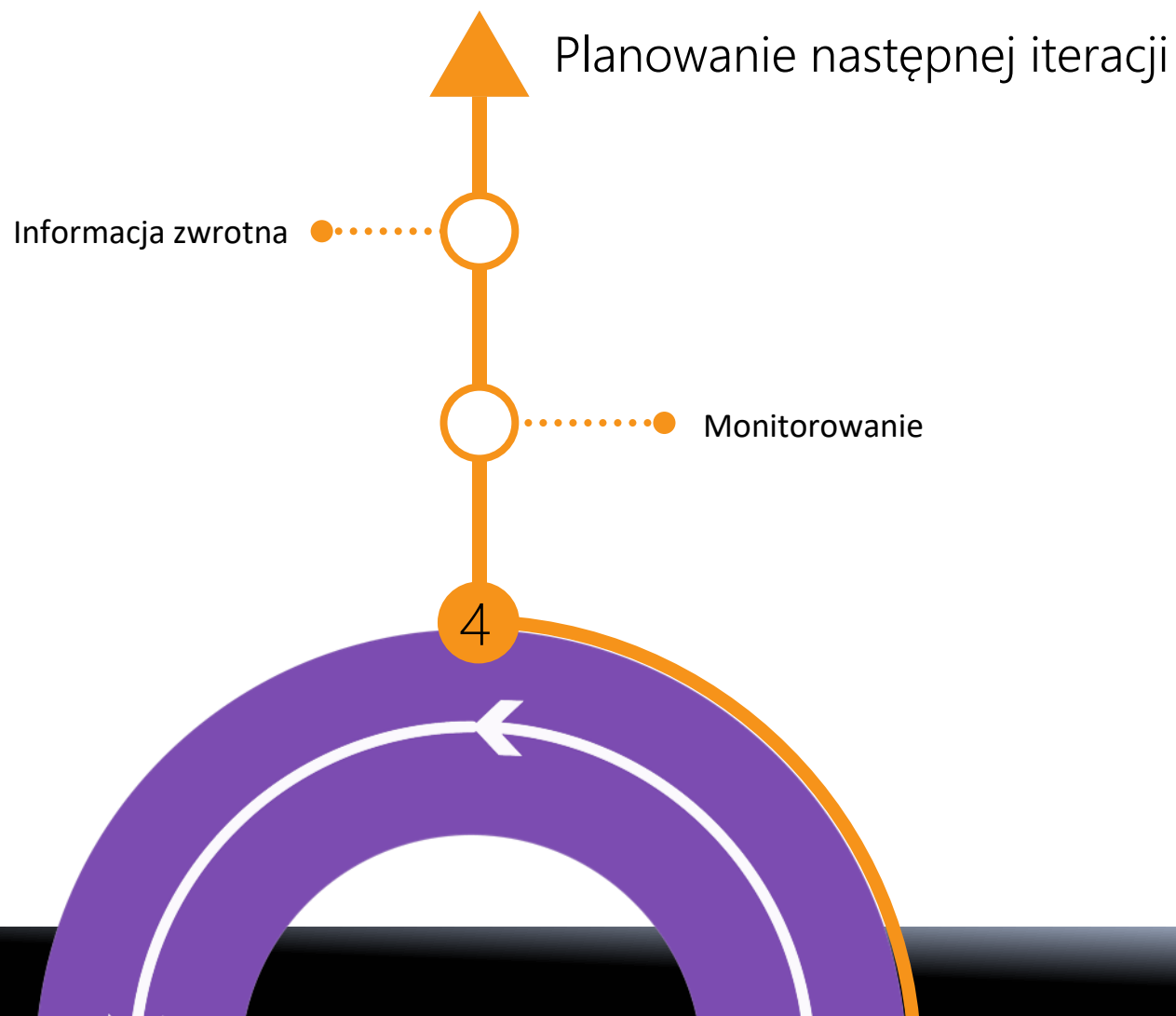


Wydanie

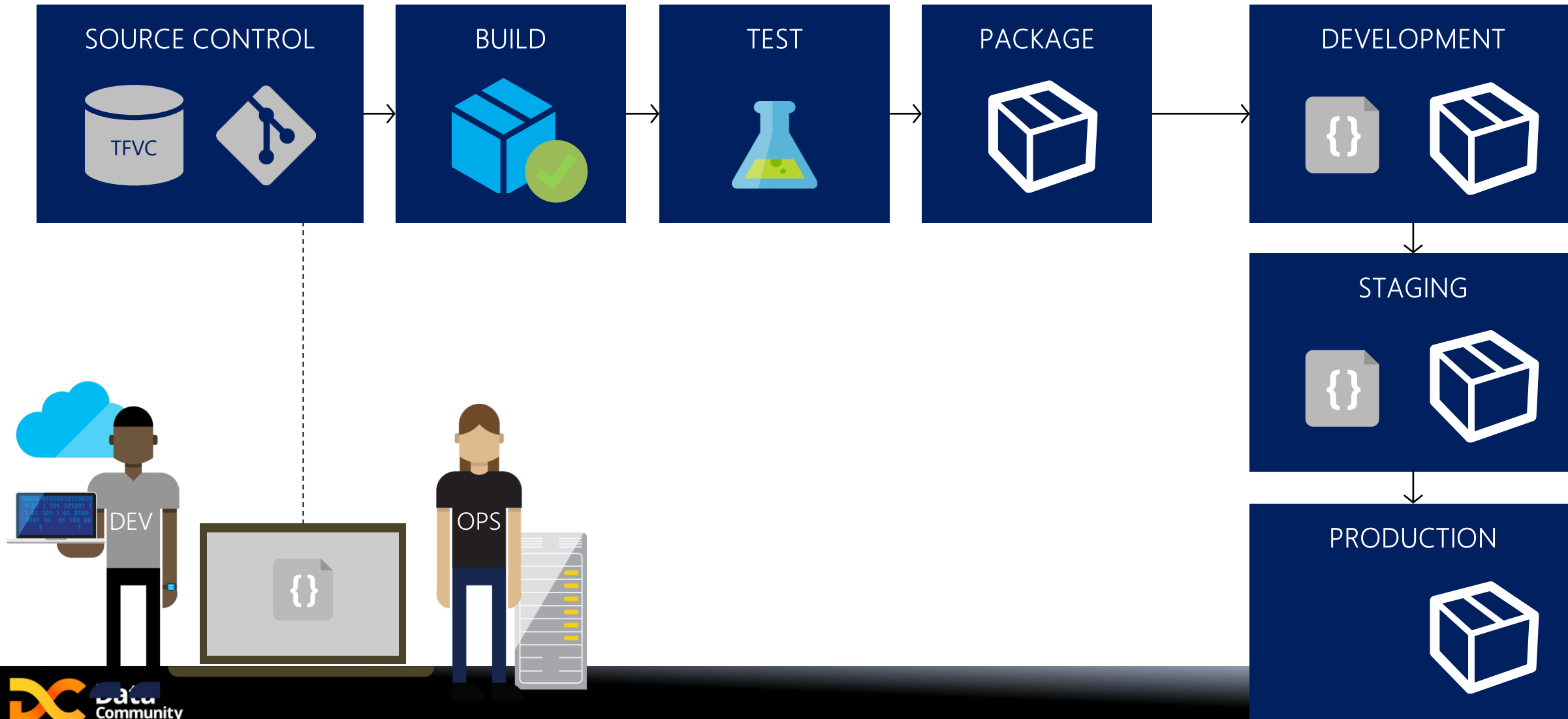
Po przejściu wszystkich testów, kompilacja jest wdrażana w różnych środowiskach.



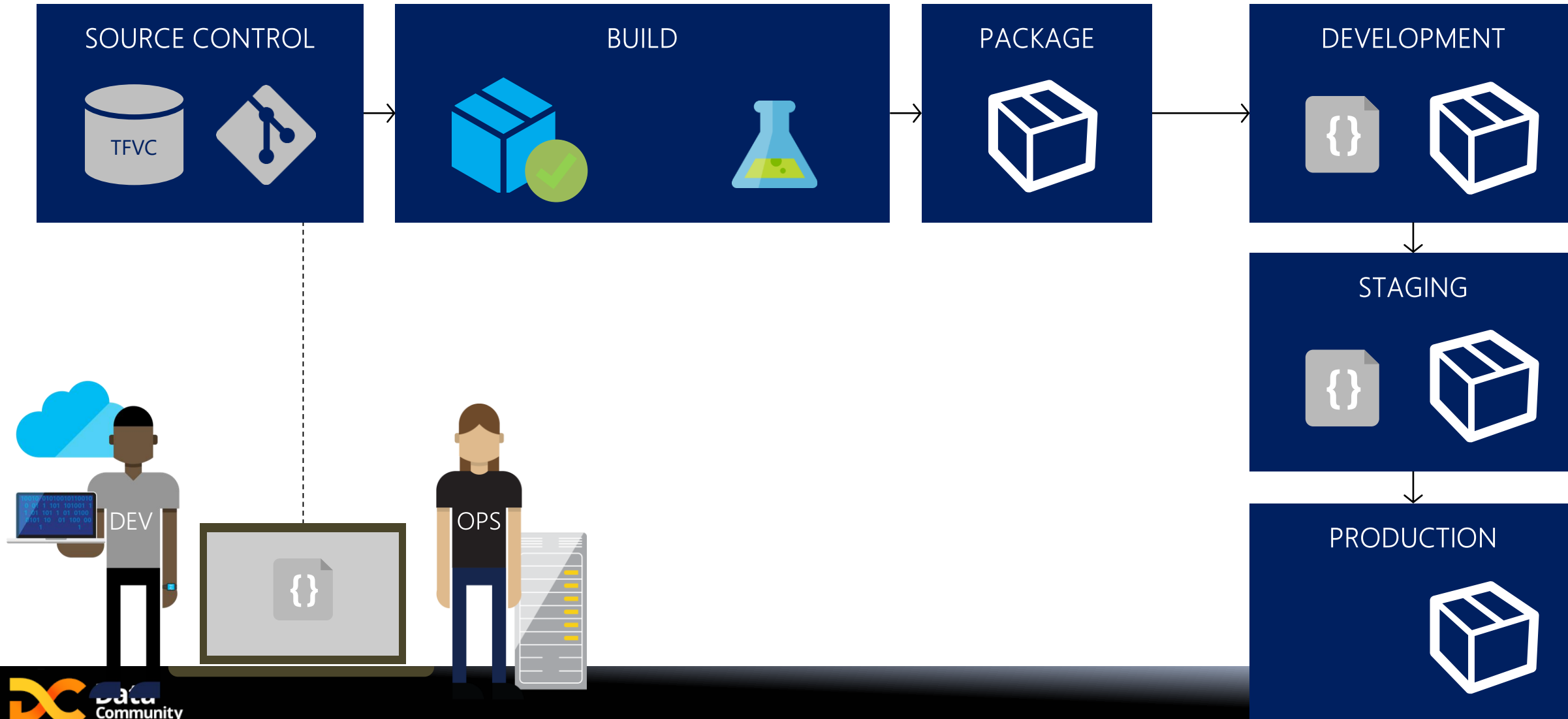
Monitorowanie + Wnioski



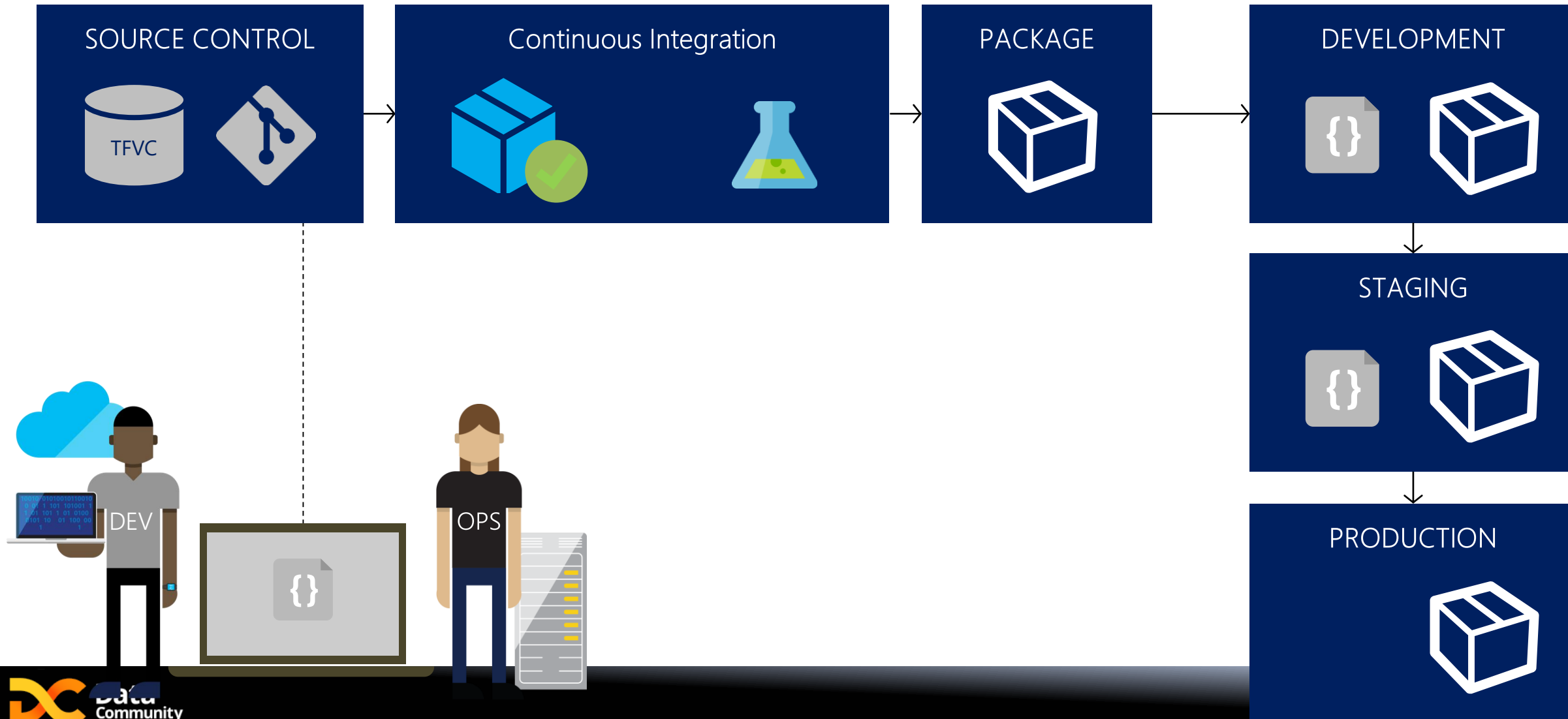
Continuous Delivery



Continuous Delivery



Continuous Delivery





Visual Studio Team Services



Team Foundation Server



Planowanie & śledzenie pracy
Zarządzanie kodem źródłowym
Zarządzanie pakietami
Zarządzanie jakością
Wieloplatformowy Build
Continuous Integration (CI)
Continuous Deployment (CD)
Release Management
Zarządzanie informacją zwrotną
Telemetria aplikacji
Rozszerzenia oraz dostosowanie

...

GitHub

JetBRAINS
Develop with pleasure!

LeanKit

AppVeyor

slack

Octopus Deploy

AZUQUA

myget

Jenkins



Atlassian
HipChat

PreEmptive Solutions

Tasktop

SCASTA

CloudBees

dynatrace

zendesk

MODERN
Requirements
By eDevTECH

Aha!

1,177

Visual Studio
Code Extensions

6,538

Visual Studio
Gallery Extensions

90

Visual Studio
Sim-Ship Partners

171

VS Team Services
Extensions

Trello

Otwarty & elastyczny łańcuch narzędzi

IncrediBuild
BEYOND ACCELERATION

zapier

macincloud

uservoice

flowdock bamboo
solutions

VS Anywhere

Xamarin

TFS TIMETRACKER

jamo solutions

perfecto
mobile

redgate
ingeniously simple

CHEF

Campfire

submain

EKOBIT

sauce LABS

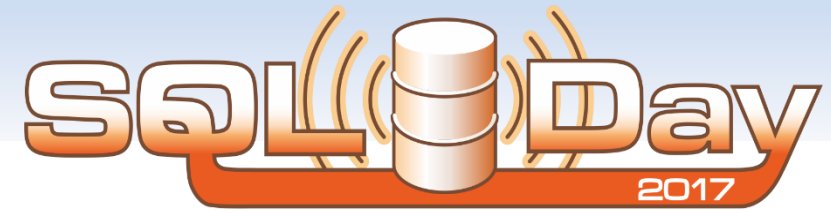
OpsHub
Enabling Agile Integration

SQL Day

Data
Community

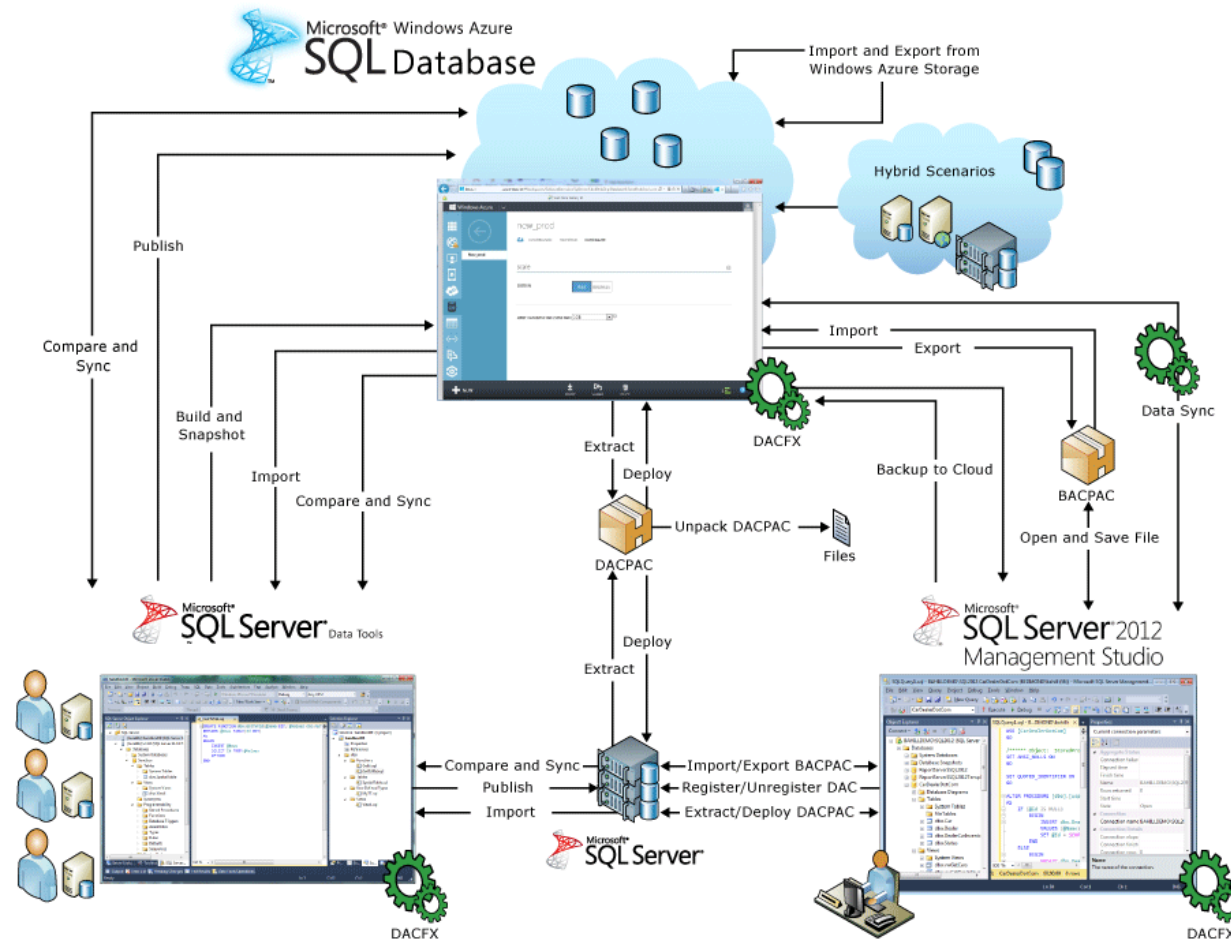


**Data
Community**



Database DevOps

Database Lifecycle Management (DLM)



Redgate ReadyRoll

Rozszerzenie praktyk
DevOps na bazy
danych SQL Server i
Azure SQL

The screenshot displays the Redgate ReadyRoll Pro interface. At the top, a SQL script editor shows a script titled '0003_Add_PriceGBP_column.sql' with the following content:

```
6 ALTER
7 [PriceGBP] [decimal] (18, 2) NULL
8 GO
9 UPDATE dbo.Product SET PriceGBP = Price * .8
10 GO
11
```

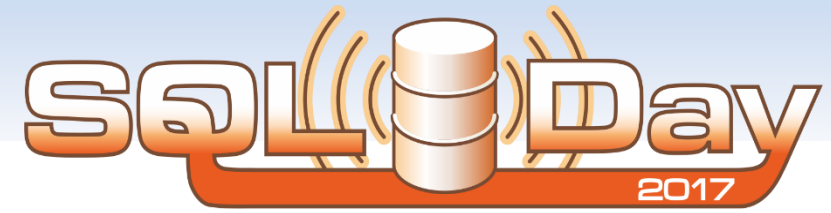
A tooltip 'Script Status - Marked As Deployed' is visible over the script. The interface also shows a 'Solution Explorer' on the right with a project 'PartsUnlimitedDB' containing several migration scripts, including '0003_Add_PriceGBP_column.sql'. Below the script editor, a 'ReadyRoll Pro' window shows the project 'PartsUnlimitedDB' and a 'Build Succeeded' status. The build details include a summary of the build, a table of test results, and a list of deployments.

Build details	Test Results
Definition: LightningWorks (edit)	725QCap: 33 of 34 passed
Source branch: refs/heads/master	735QCap: 33 of 34 passed
Source version: Commit 160161a	745QCap: 33 of 34 passed
Requested by: [DefaultCollection]Project Collection Service	755QCap: 33 of 34 passed
Accounts on behalf of: John Wiley	765QCap: 33 of 34 passed
Queue: 22 March 2016 16:45:37	775QCap: 33 of 34 passed
Started: 22 March 2016 16:45:38	785QCap: 33 of 34 passed
Finished: 22 March 2016 16:46:07	795QCap: 33 of 34 passed

The interface also includes a 'View PartsUnlimitedDB' button and a 'Database deployment preview' section.



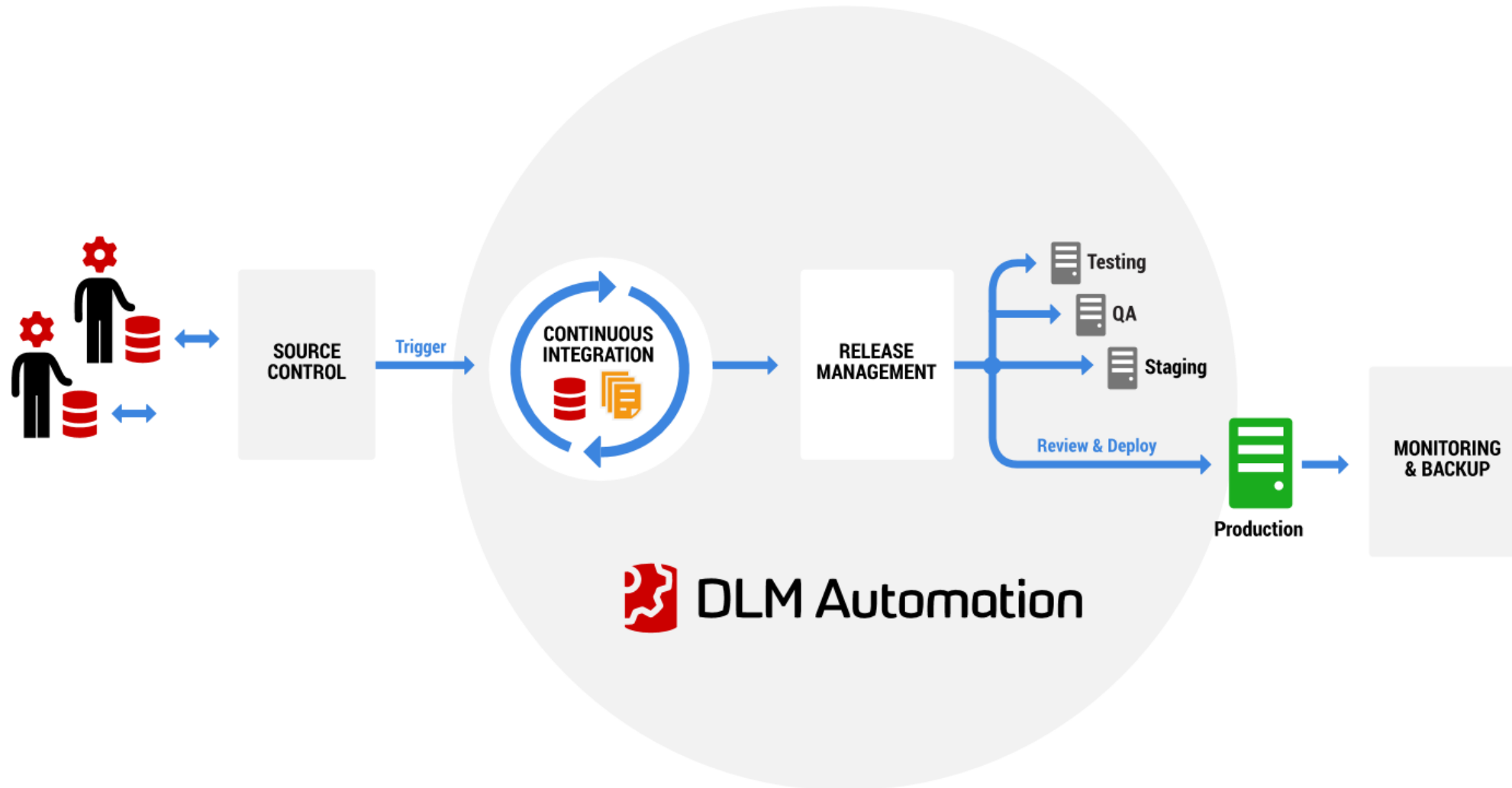
**Data
Community**



Redgate ReadyRoll

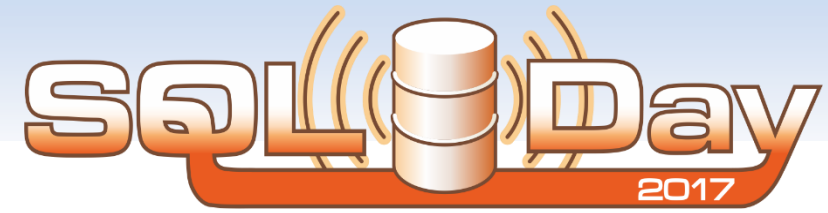
DEMO

Redgate DLM Automation





**Data
Community**



Redgate DLM Automation

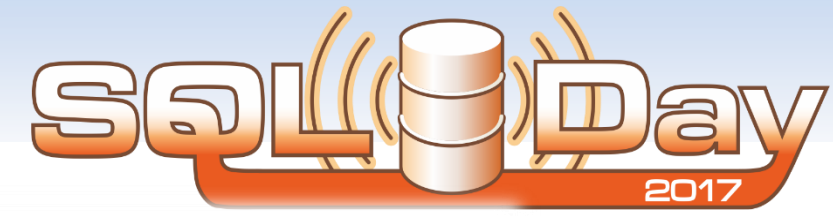
DEMO

Podsumowanie

- GROWTH MINDSET (fixed mindset – hmm? Zmień pracę?)
- Spójny ekosystem (NIE tylko techniczny)
- Autodokumentacja
- Spójny process dla każdego elementu systemu
- Traktuj infrastrukturę / bazy danych jako projekt programistyczny ;)
- Nie bój się kodu / skryptów
- Powtarzalność (minimalizacja czynnika ludzkiego)
- ... i znacznie więcej zalet 😊

Zasoby

- Redgate ReadyRoll & Visual Studio 2017
 - https://github.com/Microsoft/VisualStudio2017Launch_KeynoteDemos/tree/master/Redgate%20and%20Visual%20Studio%202017
- Redgate DLM Automation
 - <http://www.red-gate.com/products/dlm/dlm-automation/resources/getting-started-with-dlm-automation-an-introductory-guide-for-evaluators>
- Visual Studio Team Services
 - <https://www.visualstudio.com/en-us/docs/devops-alm-overview>
 - <https://www.visualstudio.com/en-us/docs/overview>



GOLD SPONSORS



SILVER SPONSORS



BRONZE SPONSORS



STRATEGIC PARTNER

