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# Continuous Delivery für jedes Team

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MVP Visual Studio and Development Technologies

#ReBuildDE

# Agenda

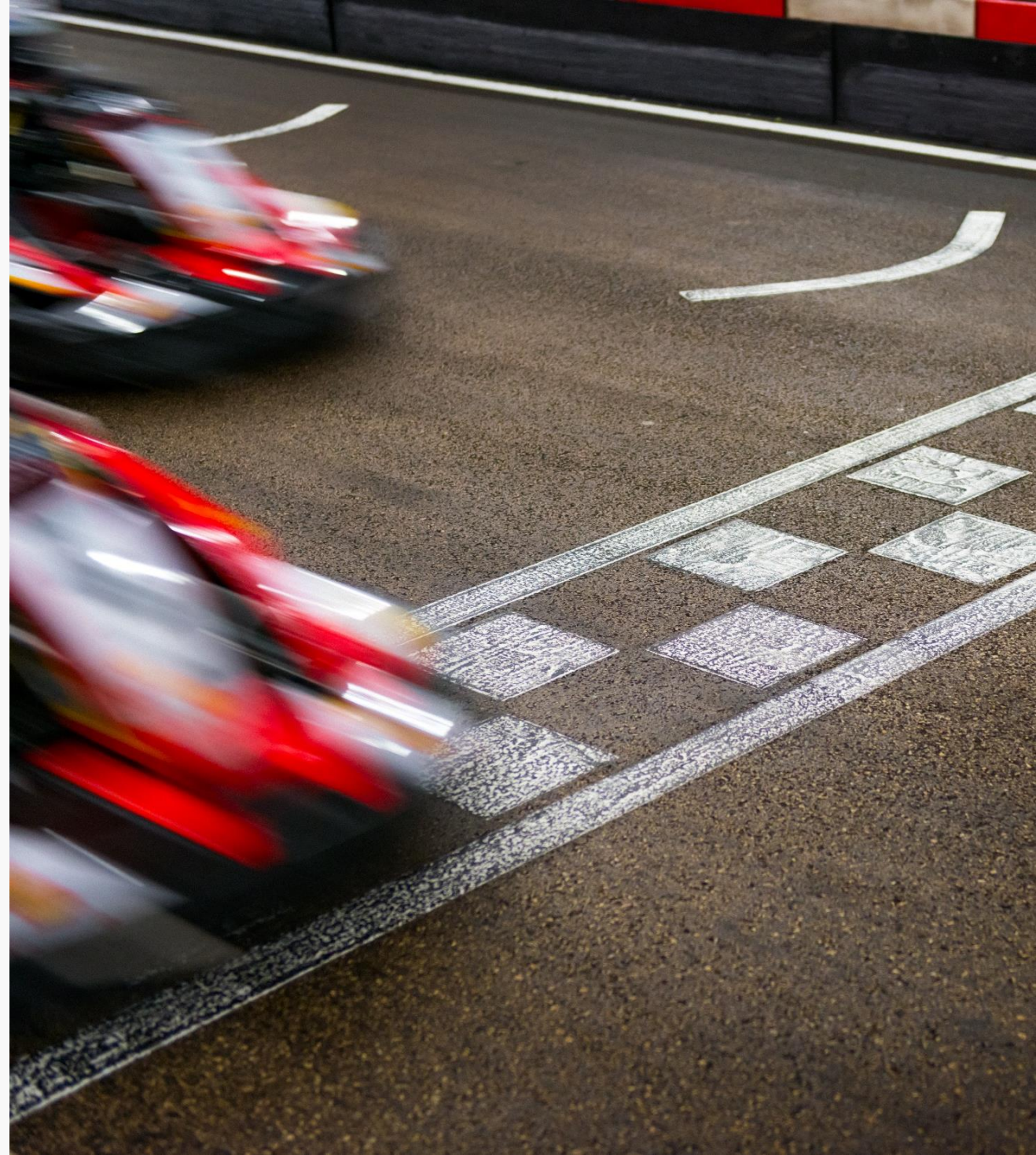
Why is Continuous Delivery so important?

What is DevOps?

DevOps lifecycle with VSTS and TFS

Why is Continuous Delivery so important?

Be fast to  
compete!



# What is DevOps?



DevOps is a culture! Not a program or a team.



# DevOps lifecycle





Visual Studio  
Team Services

The top section of the graphic features a bright blue sky background with several white cloud icons. In the center, the text 'Visual Studio Team Services' is displayed in white. Below the text are four white icons: the Windows logo, a Linux penguin, the Android robot, and the text 'iOS'.



Team Foundation  
Server

The bottom section of the graphic features a dark purple background with a city skyline silhouette in shades of purple and pink. In the center, the text 'Team Foundation Server' is displayed in white. Below the text are four white icons: the Windows logo, a Linux penguin, the Android robot, and the text 'iOS'.



Open, flexible, and extensible  
cross-platform DevOps tools

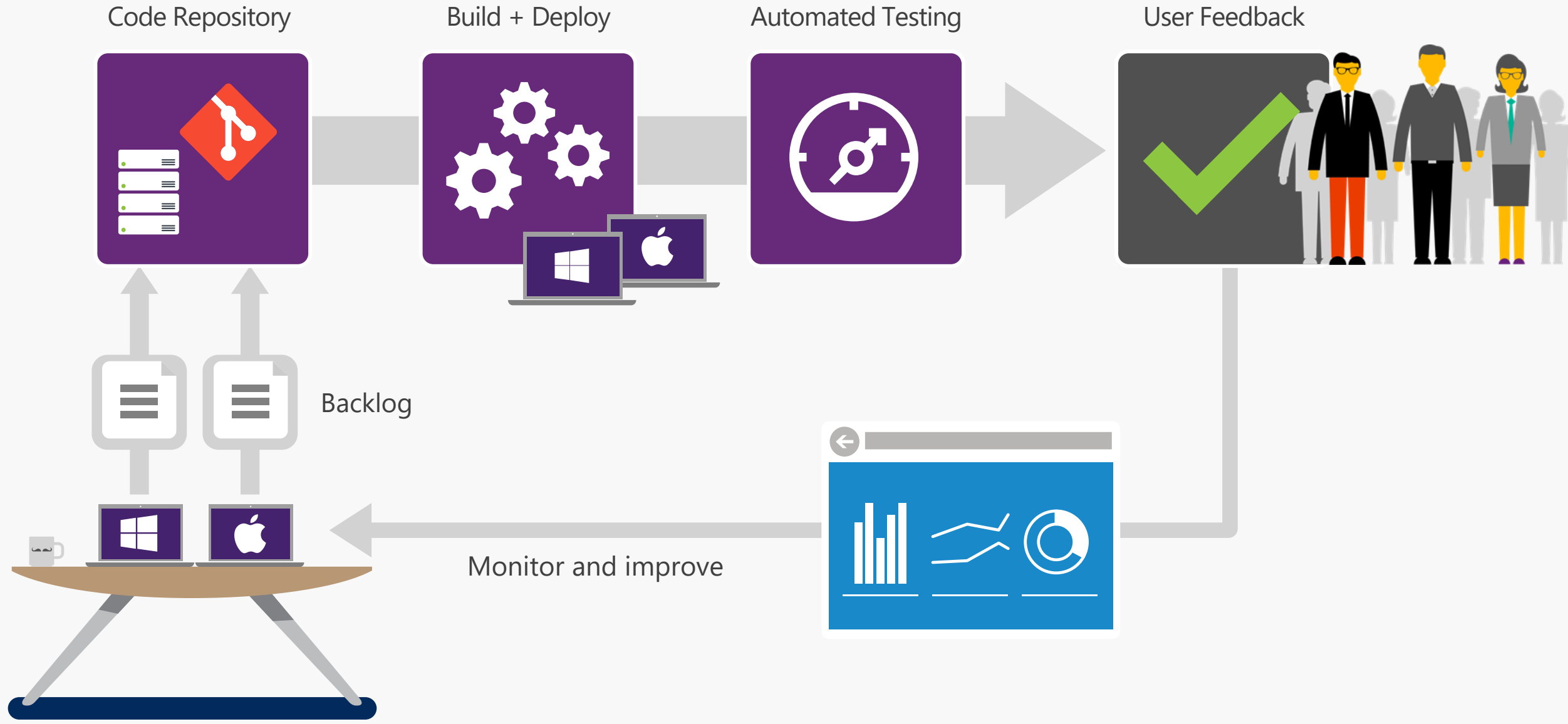
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Unlocks a greater ecosystem and  
works with what you already use

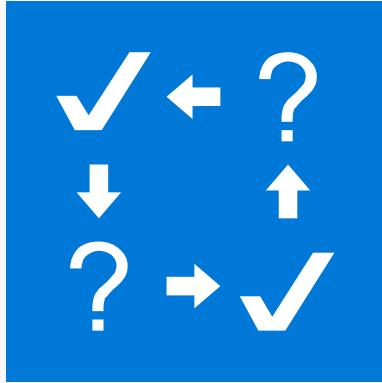
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More agility and flexibility for  
continuous value delivery

# Visual Studio Team Services



# Visual Studio Team Services is Enterprise Ready



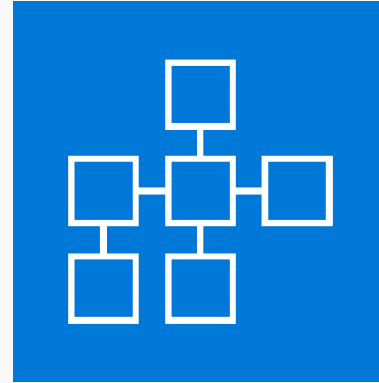
Compliance



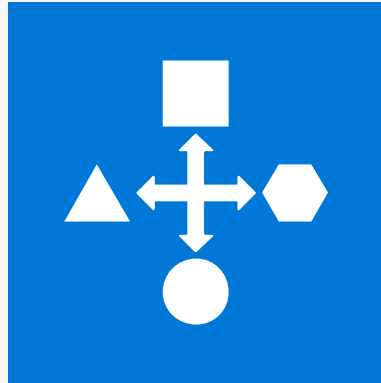
Data  
Sovereignty



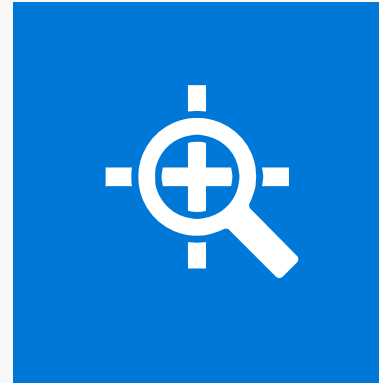
Data Import



Active  
Directory



Process  
Customization



Code Search



Reporting

Available for Team Foundation Server with Update 2

# Visual Studio Marketplace

920

Visual Studio Code Extensions

5,910

Visual Studio Extensions

100

Visual Studio Team Services Extensions



Code Search  
Microsoft

Code Search provides fast, flexible and accurate search across all your code.

7035



Exploratory Testing  
Microsoft

Track and manage working time on work items, with rich features and reports.

1870

PREVIEW



Folder Management  
Microsoft DevLabs

Quickly create a folder in your Visual Studio Team Services source repositories from the

1541

FREE



Work Item Visualization  
Microsoft DevLabs

Visualize relationships between work items from within the work item form.

1369

FREE



Codenvy Agile Plugin for  
Codenvy

Codenvy's team workspaces allow developers, stakeholders and users

22

FREE



GitHub Integration  
Microsoft

Continuous integration and deployment for your .NET, Java, Node.js, Android, iOS,

FREE



Slack Integration  
Microsoft

Team communication for the 21st century integrated with your software development

FREE



HockeyApp  
Microsoft

Distribute your builds, collect crash reports, and get feedback from your users.

847

FREE



Octopus Deploy Build and  
Octopus Deploy

Build and Release tasks for integrating with Octopus Deploy

410

FREE



Mobile Testing Lab  
Perfecto Mobile

Extend your CI and execute your tests on real devices.

169

FREE



GitHub Widget  
Gordon Beeming

An unofficial GitHub widget to show some general information for your GitHub

81

PREVIEW



GitHub Stats Widget  
Yod Labs

Dashboard widget to show stats from a GitHub public repository.

42

FREE



Azure Service Bus Integration  
Microsoft

Make events happening in Visual Studio Team Services projects instantly available to

FREE



Tasktop Sync  
Tasktop

Connect Microsoft TFS and Visual Studio Online to JIRA, HP ALM and QC, IBM RTC,

FREE



Azuqua Integration  
Microsoft

Connect the services your teams and customers use, automating business

FREE

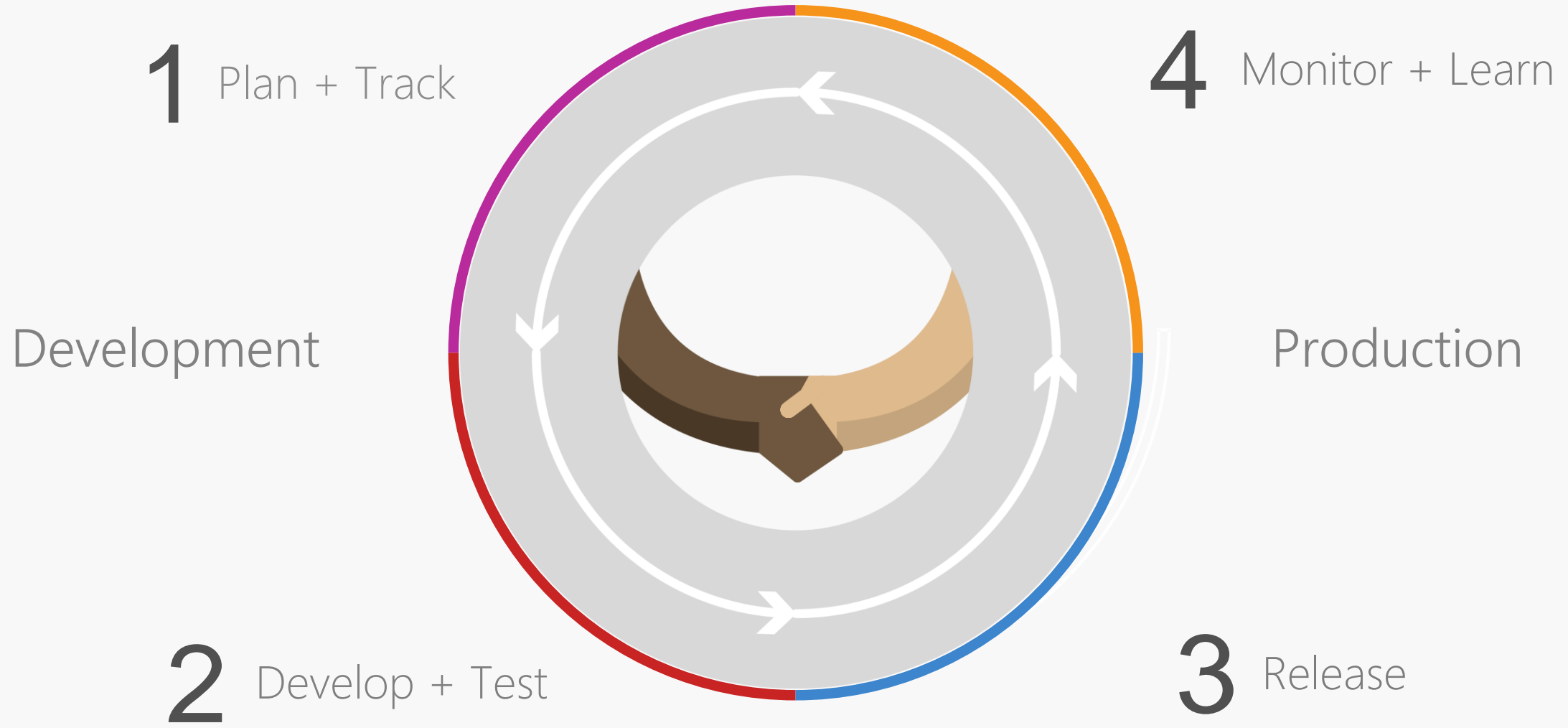


Zapier Integration  
Microsoft

Connect and automate tasks between Visual Studio Team Services and hundreds of

FREE

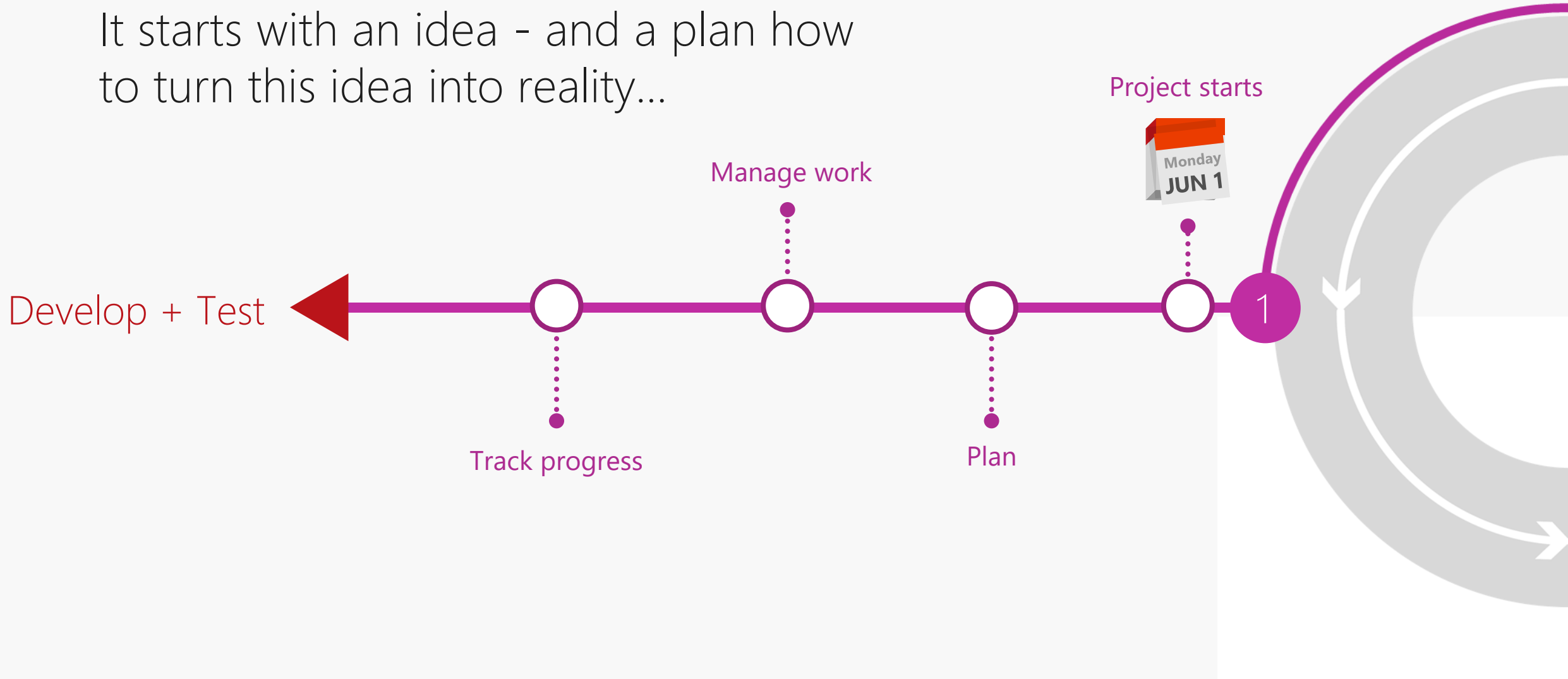
# End-to-end DevOps





# Plan + Track

It starts with an idea - and a plan how to turn this idea into reality...





# Agile

Dashboards & Charts

Backlogs & Kanban Boards w/ formatting

New Work Item Form

Social workflows with @mentions

Customizable Agile Processes

Dev+Test integration

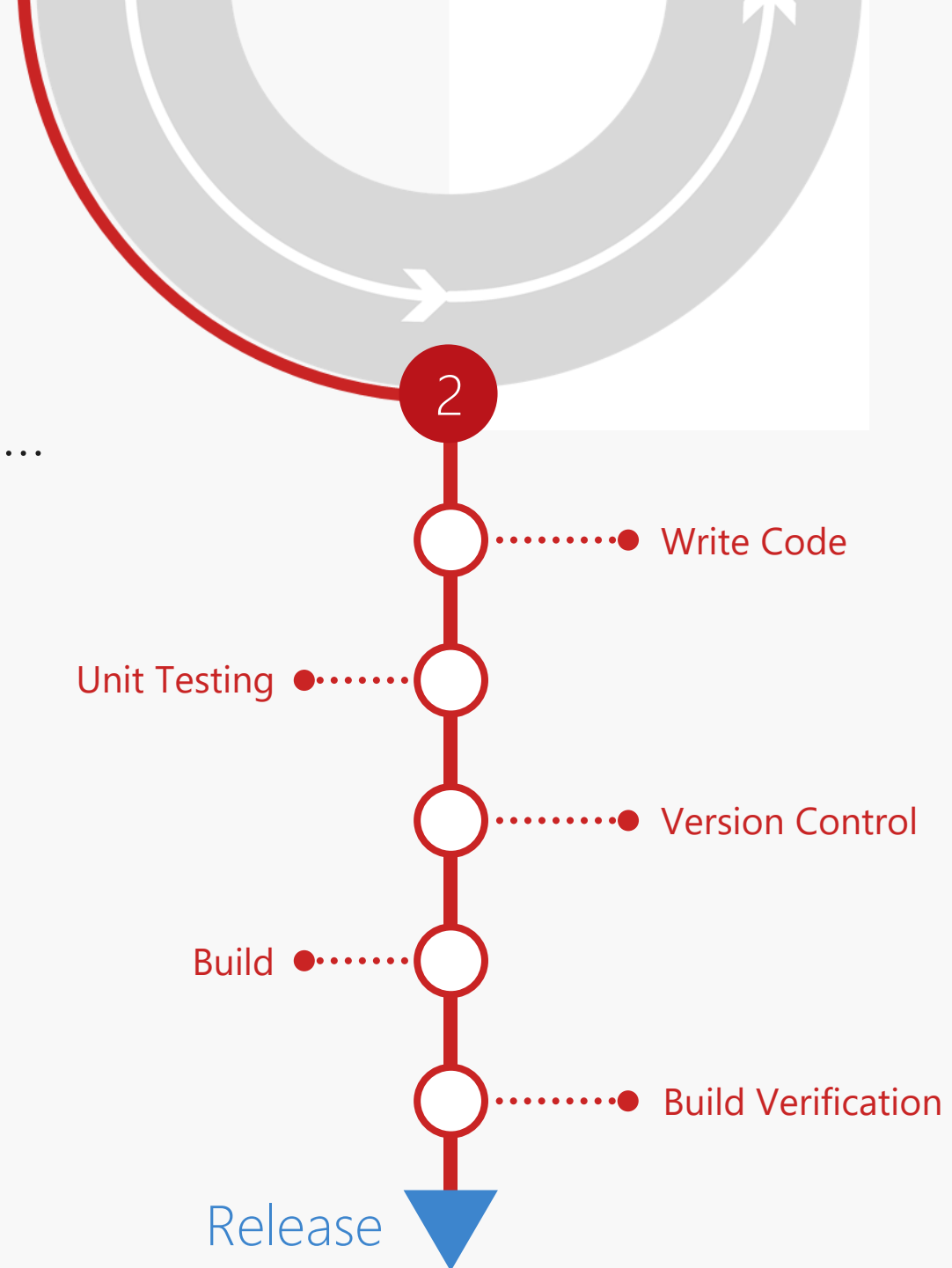
# Demo

- Agile



# Develop + Test

After the iteration starts, developers turn great ideas into features and functionality ...



# Git and Version Control

E2E DevOps Traceability

Cross-platform with IDE plug-ins

Social Code Reviews

Semantic Code Search

Seamless Integration with Visual Studio

# Demo

- Git and Version Control

# Testing

Full integration with Build and Release Management

Code Coverage support for Java

Parallel Execution

Exploratory Extension



# Continuous Integration

Cross-platform

Open Source

Extensible

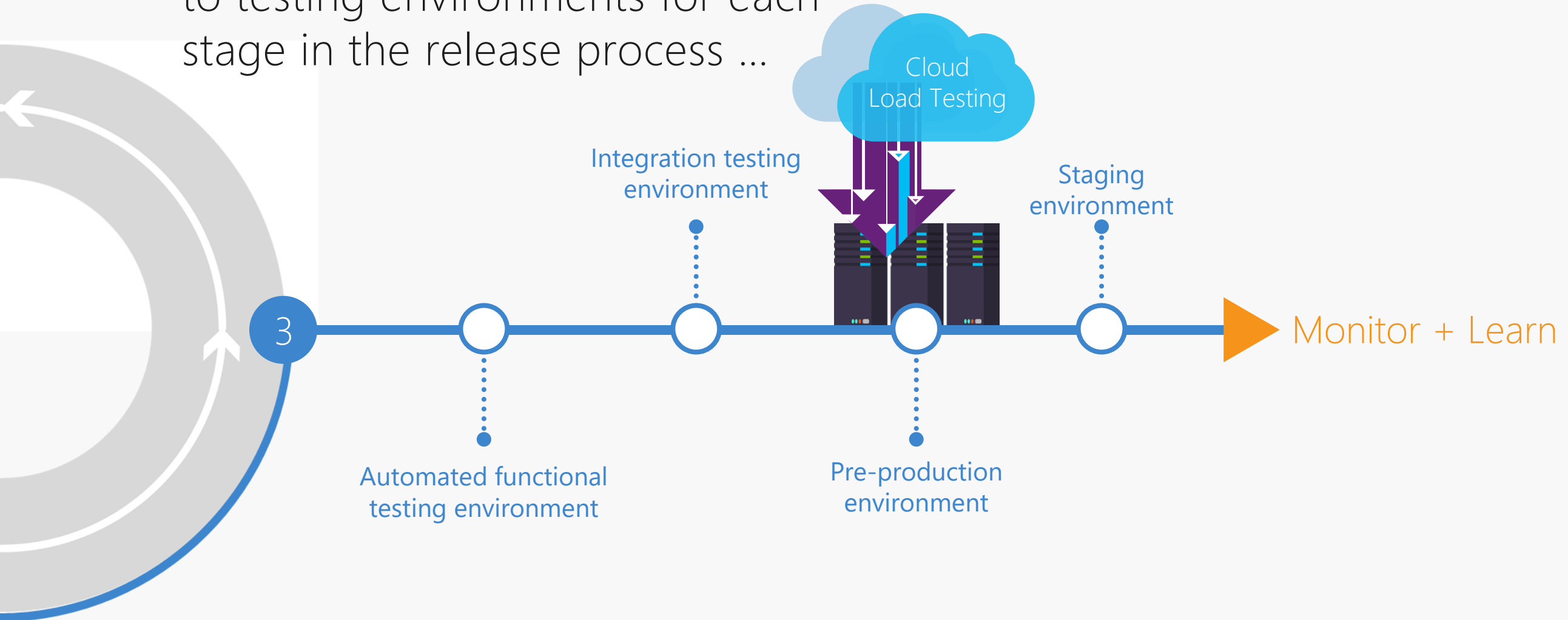
# Demo

- Continuous Integration



# Release

When all tests pass, the build is deployed to testing environments for each stage in the release process ...



# Release Management

Enables Continuous Delivery

Parallel deployments

Deploy to Cloud, On-premises data centers

Integration and traceability throughout Team Services

Coming to TFS in Update 2

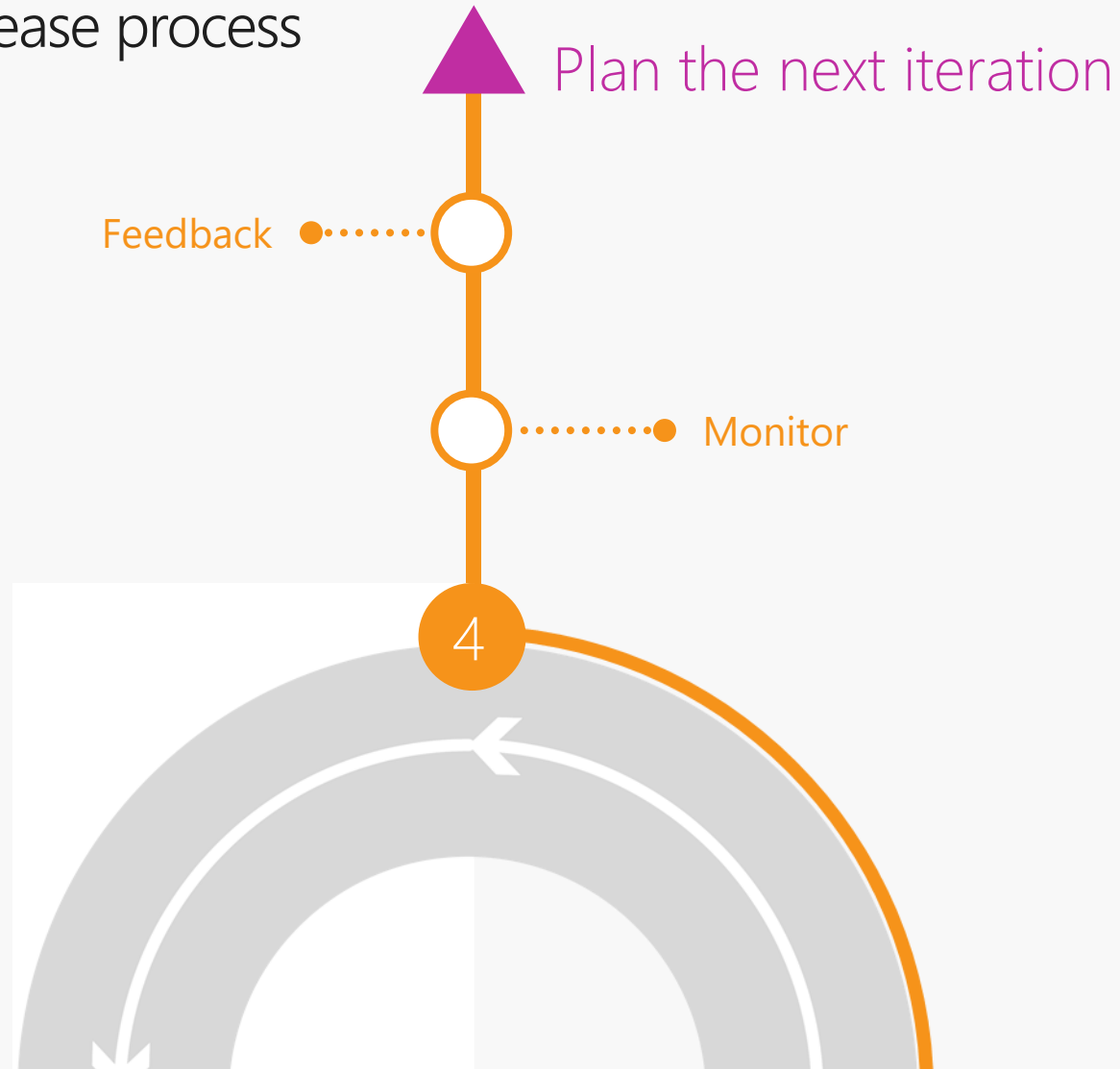
# Demo

- Release Management



# Monitor + Learn

When all tests pass, the build is deployed to testing environments for each stage in the release process





# Monitor and Learn

## Mobile DevOps with HockeyApp

B869: Mobile DevOps with HockeyApp and Visual Studio Team Services

Friday @ 9:00AM

## Analytics with Application Insights

B838: Deep Diagnostics for Web Apps & Services with Application Insights

Friday @ 12:30PM

# Roadmap

# Roadmap for the next 1-3 months

Change Work Item Type

More Agile Process Customization

Redesigned Branches Hub with GitFlow

NPM Support for Package Management

Release Management REST APIs and Service Hooks

Import from Team Foundation Server GA

# Top Sessions at //build

[B845: Enabling DevOps for Every Team](#)

[B869: Mobile DevOps with HockeyApp and Visual Studio Team Services](#)

[B838: Deep Diagnostics for Web Apps & Services with Application Insights](#)

[T660: Git for Enterprises with Visual Studio Team Services](#)



# Thank you!