Visual Studio
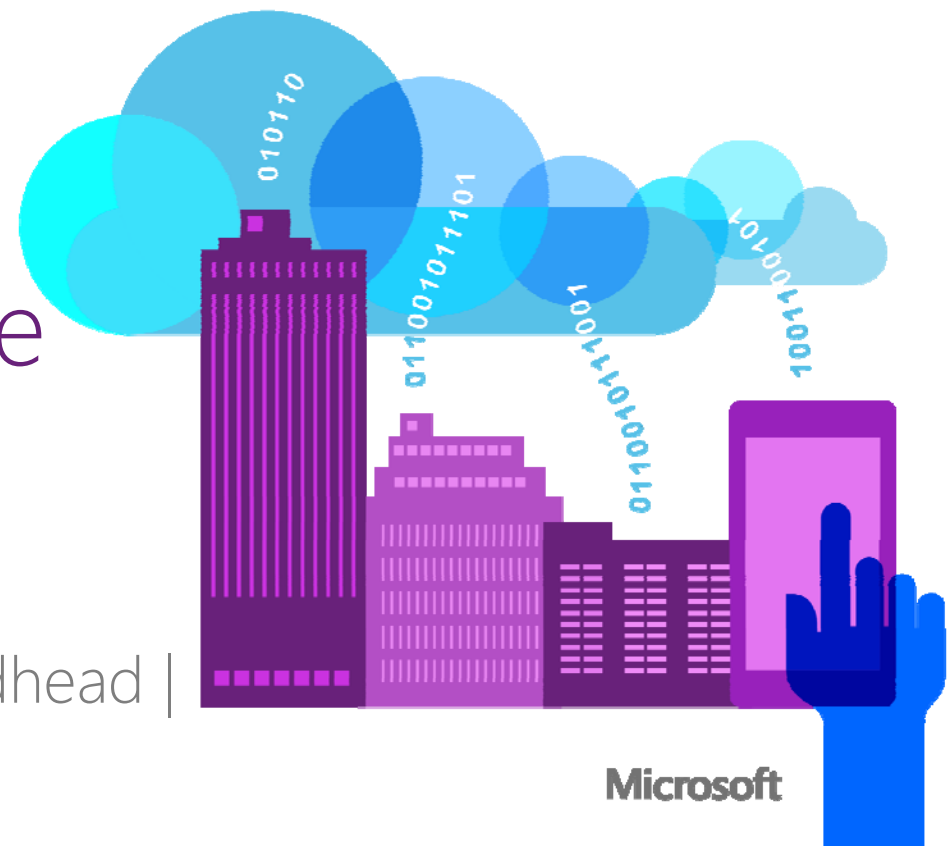
TFS/VSTS, Visual Studio 2015 – DevOps and Azure

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Who am I?

- Abel Wang| @AbelSquidHead
  - Senior Technology Solutions Professional
  - Blog at abelsquidhead.com
  - abel.wang@microsoft.com
- Work
  - Writing code for over 20 years
  - Process Consultant/Certified Scrum Master
  - ALM Ranger
  - VSTS Team
  - DevOps, General App Dev Visual Studio, Azure
- Fun Stuff
  - Rock star in his own mind
  - Training for the Great Wall Marathon

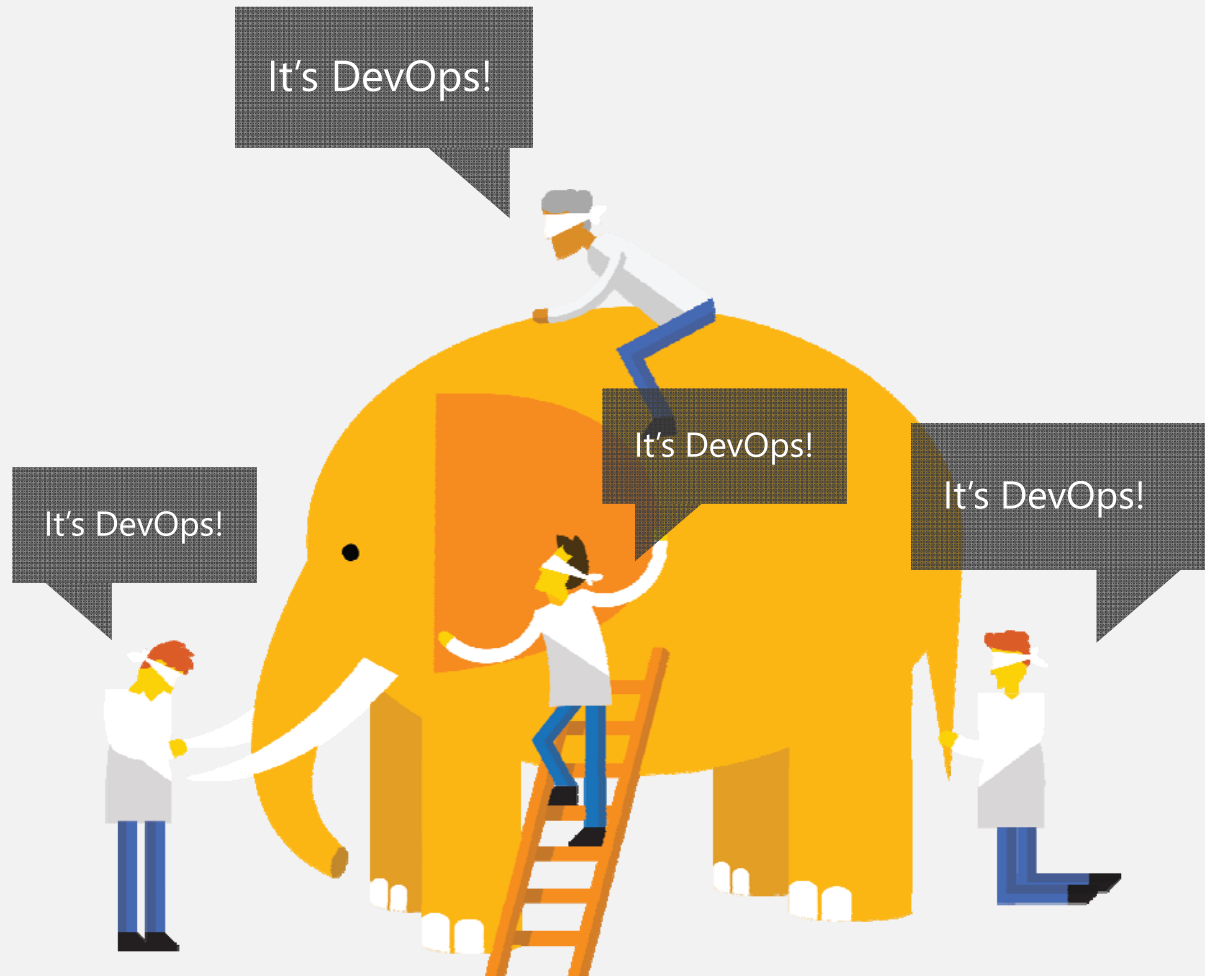# Presenter Introduction

Abel Wang

- Sr. Developer Technology Specialist
- 20 years of experience in IT, Mission Critical Design and Architecture, Product Development, Support & Consulting
- Process Consultant, Certified Scrum Master, ALM Ranger, VSTS Team
- Beloved by TSA agents around the USA
- Focus on:
  - DevOps/Application Lifecycle Management – DevOps/ALM
  - General Application Development
  - Visual Studio Tooling
  - Azure
- Email: abel.wang@microsoft.com
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- Twitter: @abelsquidhead

What is DevOps?

DevOps: the three stage conversation

| 1 People | 2 Process | 3 Products |

People

Process

1 Plan

Development

2 Develop + Test

4 Monitor + Learn

Production

3 Release

Tooling

TFS/VSTS
+ Azure

Team Foundation Server

Visual Studio Online

Feedback management

Team collaboration

Application telemetry

Office   Project Server   Microsoft System Center   Microsoft Azure   SharePoint   Visual Studio
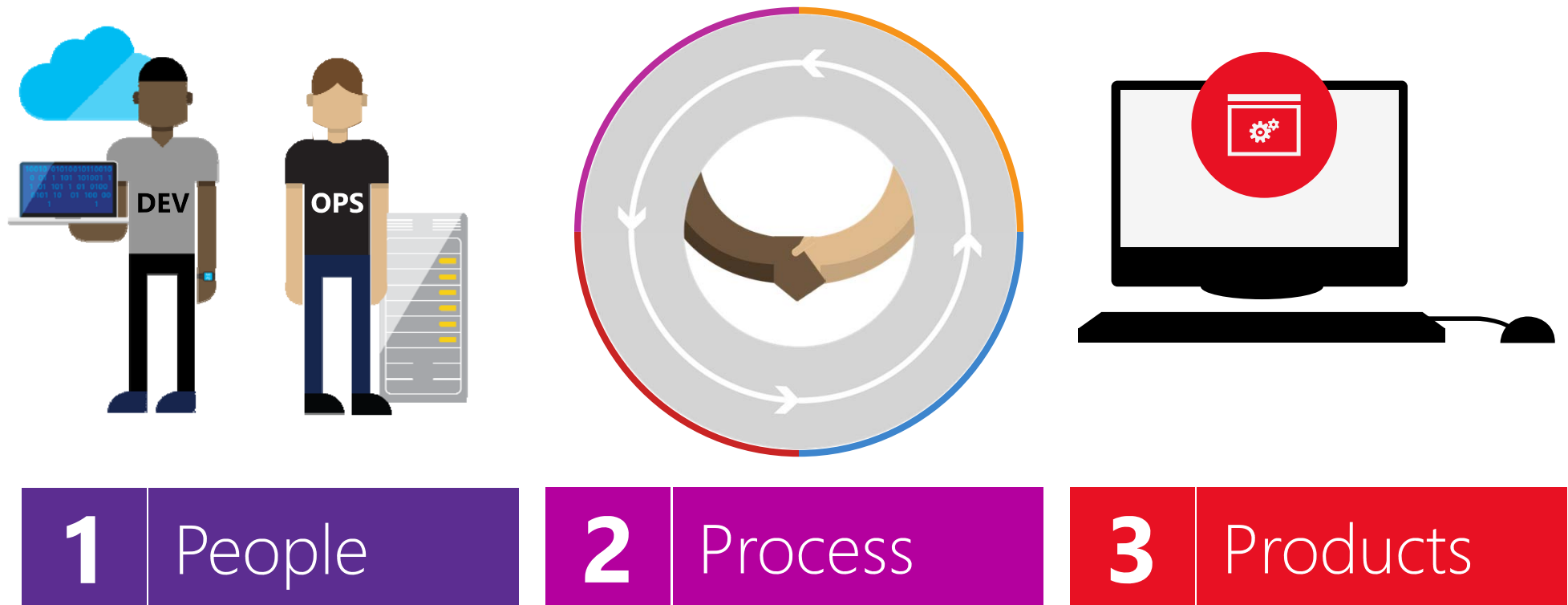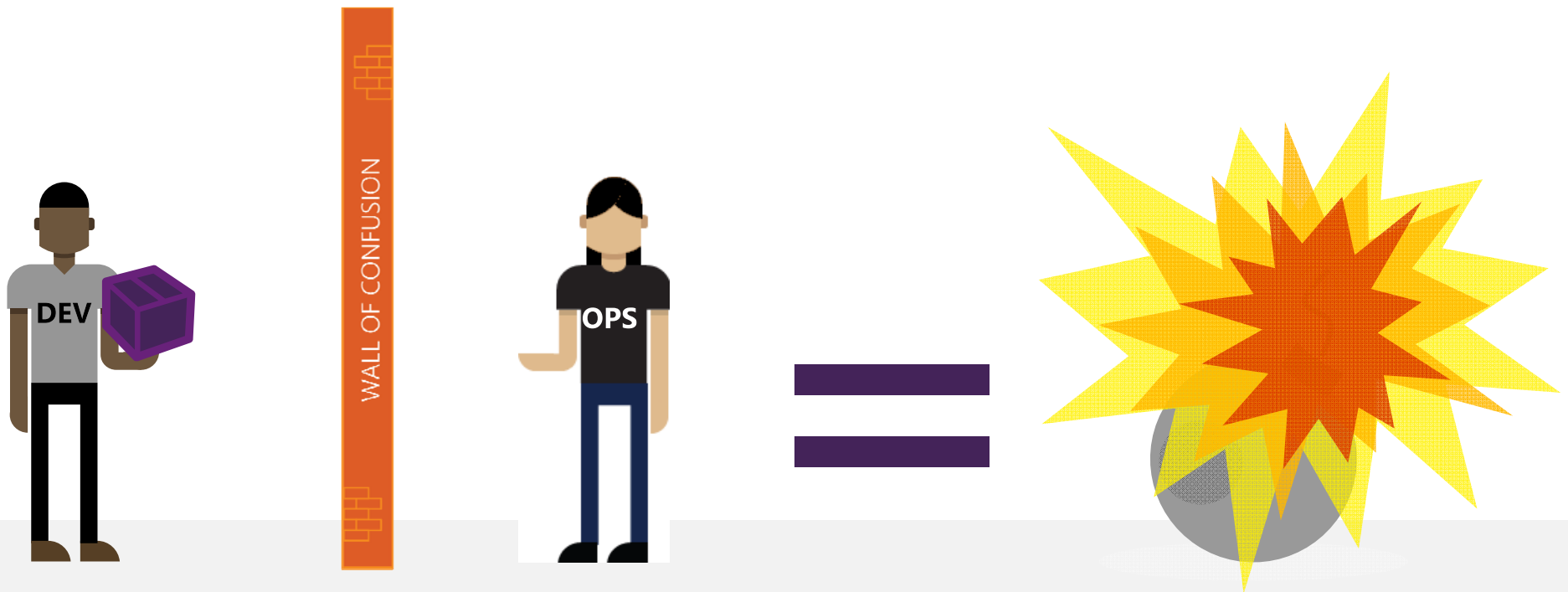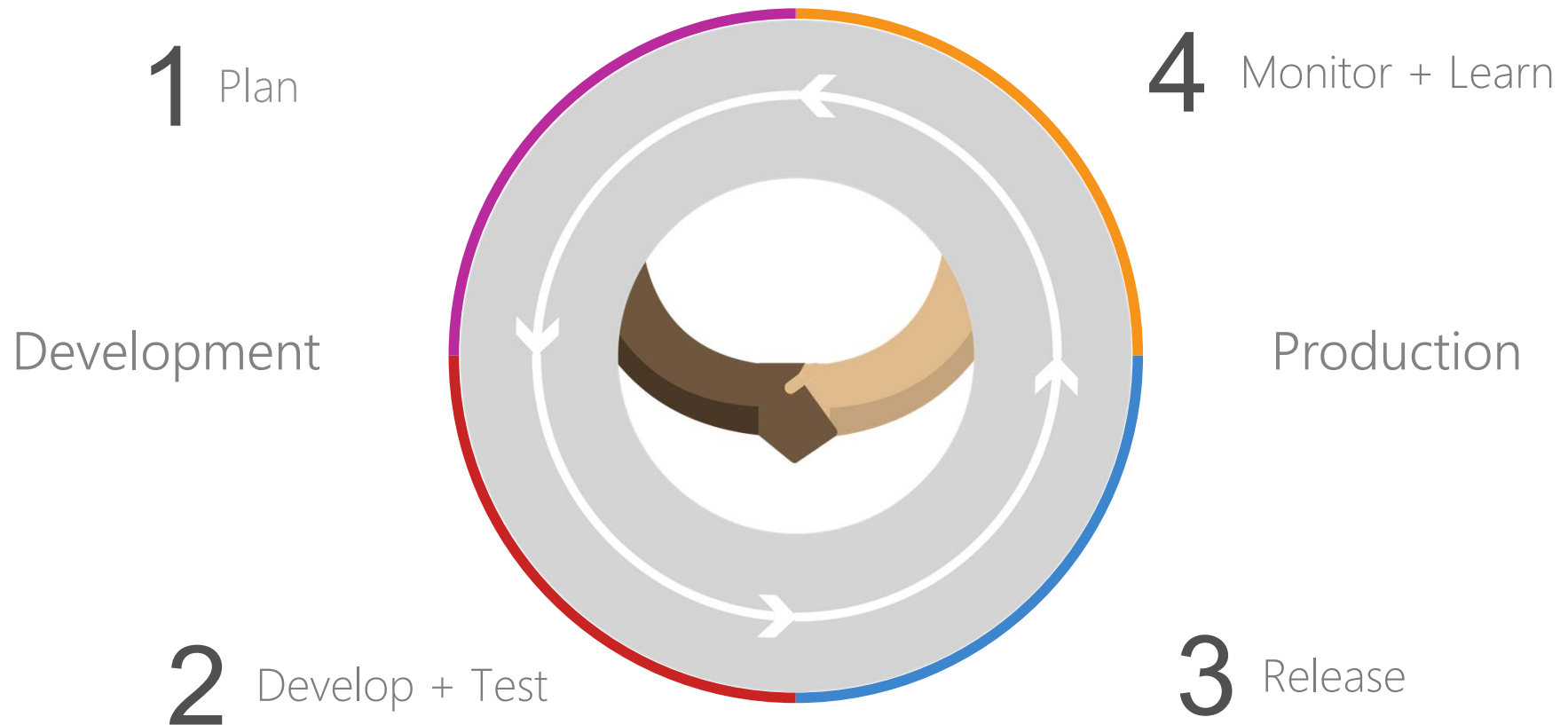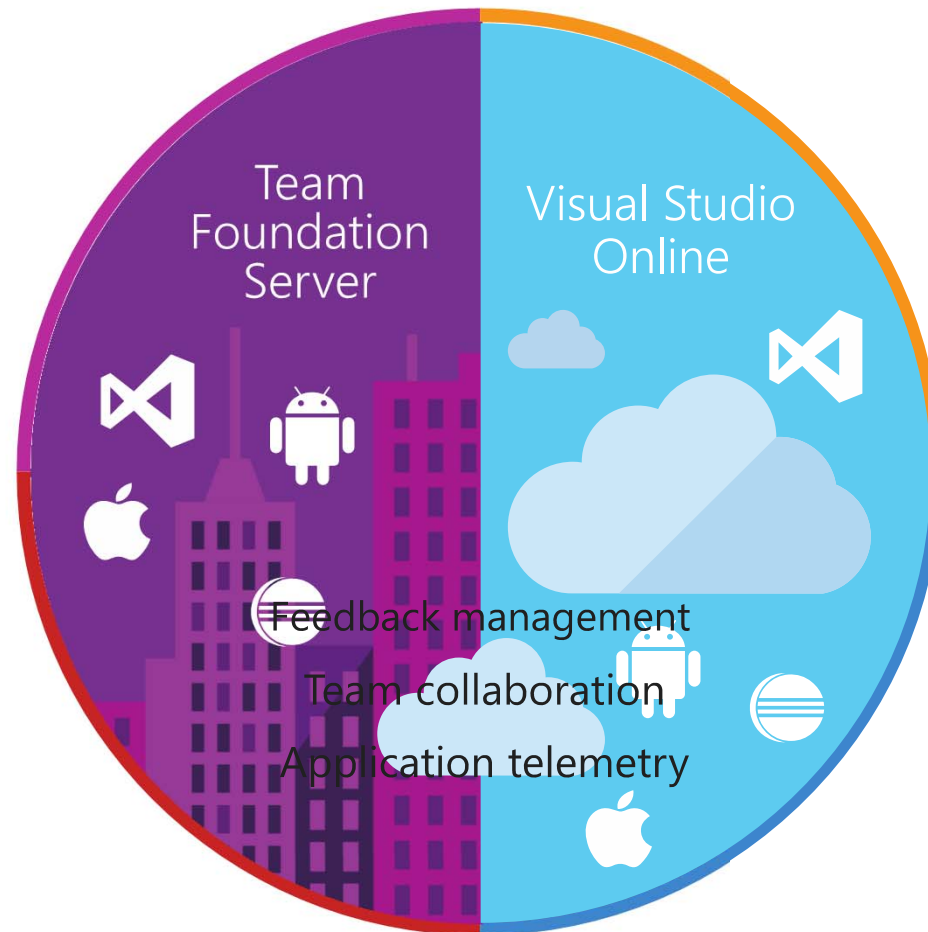
What is Team Foundation Server?

It's a source control system!

- Wrong. It is FAR more than a source control system.
- Tool to help manage all aspects of creating software. From application inception to application sun setting.
- DevOps Collaboration Hub

Key Functional Areas

- Agile Planning & Management/Work Item Tracking
- Version Control
- Build Management & Automation
- Testing
- Release Management
- Application Monitoring

Enabling Value Delivery

Plan

Agile Planning

Collaborative Team Experiences

Automated Dev and Test Tools

Flexibility, Extensibility, Hybrid IT capable

Develop + Test

Business Product Owners + all other Stakeholders

REQUIREMENTS
Backlog

Developers Testers

Development

Collaboration

Production

Operations

Build & Release

Continuous Learning throughout the lifecycle

Visibility, Traceability during whole Lifecycle

Release

Cross Platform Build System

Build Reports

Release Management

Release Management Summary

Release Management Testing Effort

Microsoft ALM/DevOps Hub