

Azure DevOps

...Not Just For Devs and Ops

Max Zimmerman

Scott Sauber

Audience

- Anyone wanting to learn more about Azure DevOps

Agenda

- What is Azure DevOps?
- What functionality is there?
 - Overview tab
 - Boards
 - Repos
 - Pipelines
 - Artifacts
 - Test Plans
 - Test & Feedback Extension
- How does this help me as a QA?

Purpose

- Ramp up on knowledge and capabilities of Azure DevOps

Who are we?



Scott Sauber



Max Zimmerman



LEAN
TECHNIQUES

What is Azure?



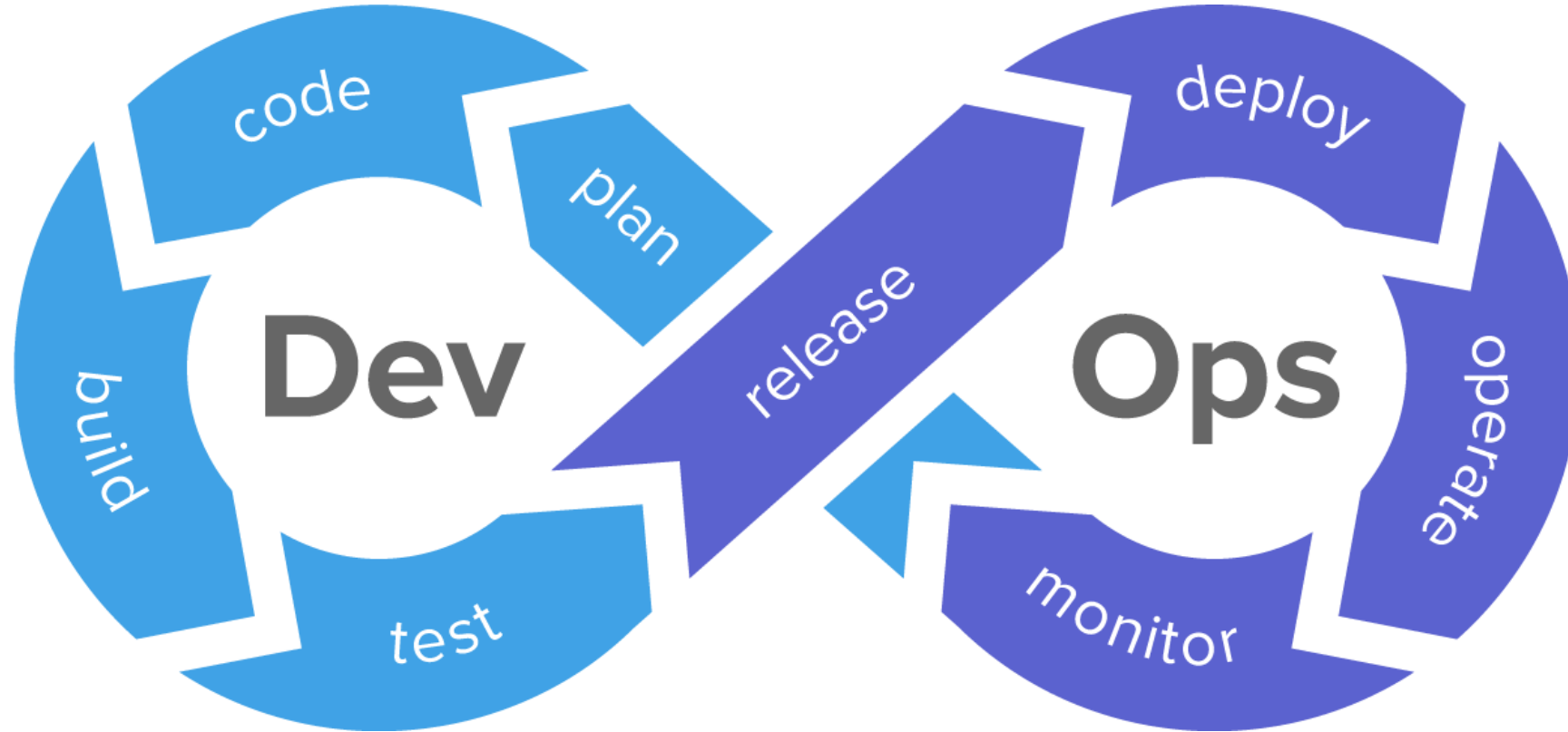
Azure

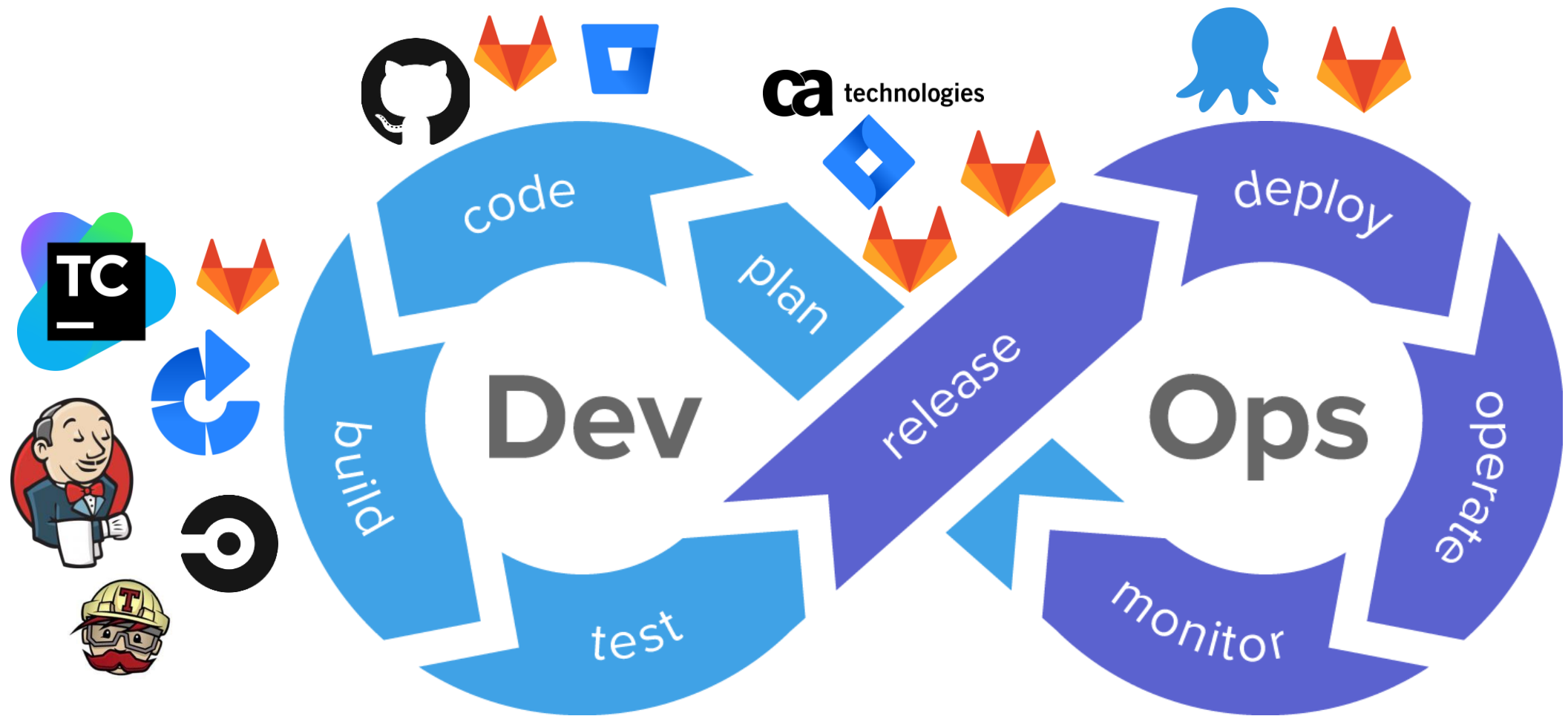
What is DevOps?

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

- Donovan Brown

What is DevOps?





ca technologies



TC



build

Dev

plan

code

test

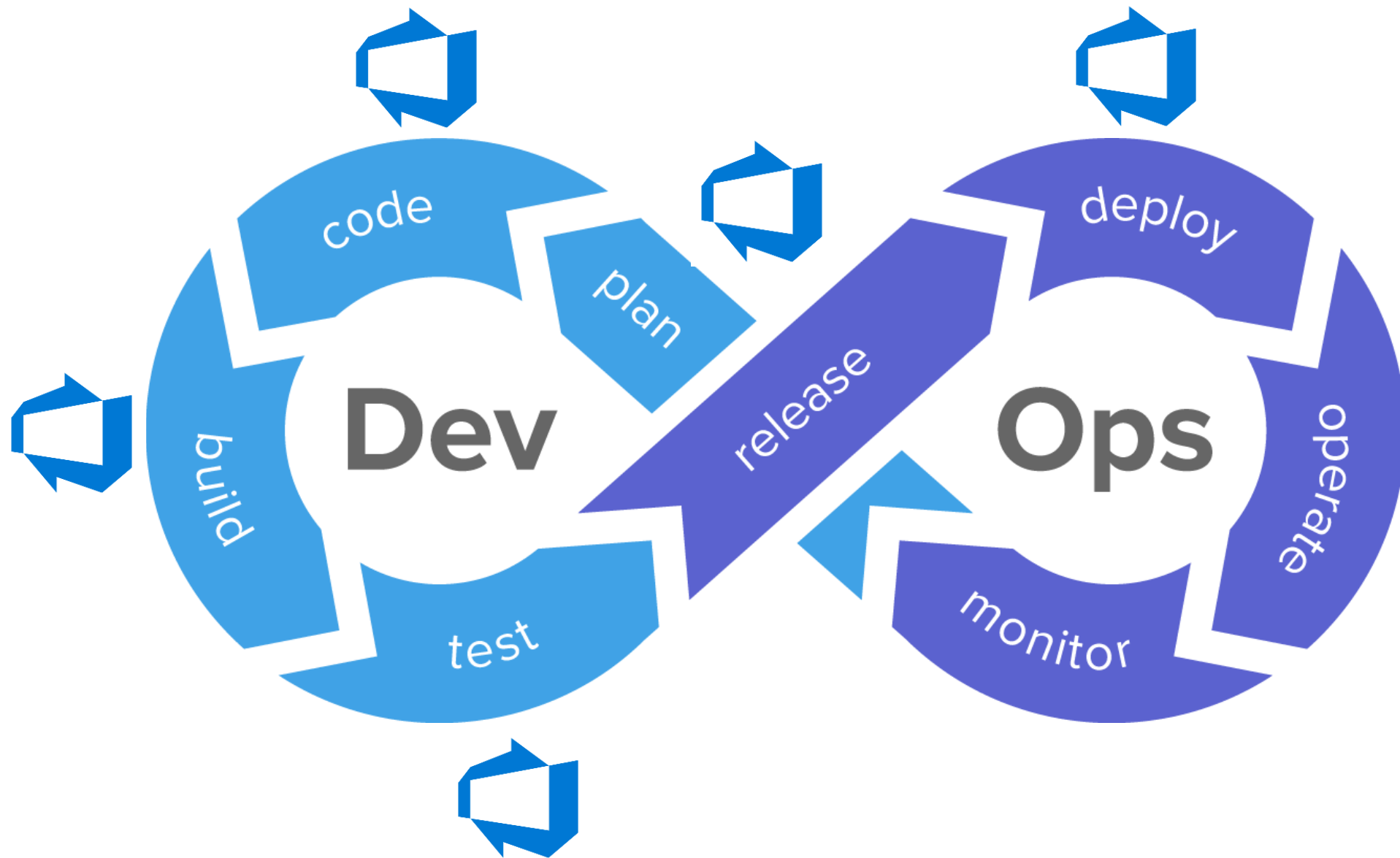
release

Ops

deploy

operate

monitor



What is Azure DevOps?

- Unified tool for managing your DevOps pipeline



Why use it?

- End-to-end traceability and visibility from idea to deployment
- You can deploy to other clouds (and on-prem), not just Azure

Naming is hard

- One of the worst named products on the market
- Can be hard to Google
- You can deploy to other clouds (and on-prem), not just Azure
- Has been renamed many times:
 - Team Foundation Server (now Azure DevOps Server)
 - Visual Studio Online
 - Visual Studio Team Services

Overview

- Dashboards
- Wiki
- Demo



Boards

- Manage backlog
- Kanban boards
- Scrum planning
- Custom dashboards
- Reporting
- Demo



Repos

- Source Code Repositories
- Code Reviews via Pull Requests
- Demo



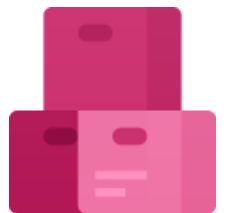
Pipelines

- Build Pipelines
 - Compile code
 - Create artifacts
 - Run tests against artifacts
- Release Pipelines
 - Create release containing artifacts
 - Promote release through multiple environments
 - Manage secrets
- Demo



Artifacts

- Store artifacts related to releases
- Store common library packages
- Demo



Test Plans

- Create Manual/Exploratory Test Plans
- Manual Steps to run
- Multiple configurations (i.e. browsers)
- Demo



Test & Feedback Extension

- Provide feedback
- Capture screenshots, video recordings
- Create work items including screenshots and video recordings
- Create test cases
- Demo
- <https://docs.microsoft.com/en-us/azure/devops/test/overview?view=azure-devops#exploratory-testing>

End-To-End Demo

- Create Work Item
- Create PR
- Allow build to happen
- Deploy
- Let QA run a manual test plan
- Feedback all the way back to dev

New Features

- New release to Cloud every 3 weeks
- New release to on-prem Server product
- Release Notes and what they're working on:
<https://docs.microsoft.com/en-us/azure/devops/release-notes/features-timeline>

Takeaways

- How QA's can interact with Azure DevOps
- Azure DevOps can manage your team's entire workflow
 - Sales pitch to team members
- Single pane of glass

Resources

- [Azure DevOps Podcast](#)
- [RadioTFS](#)
- [Documentation](#)

Questions?