Azure DevOps

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- Cloud, IoT, Web

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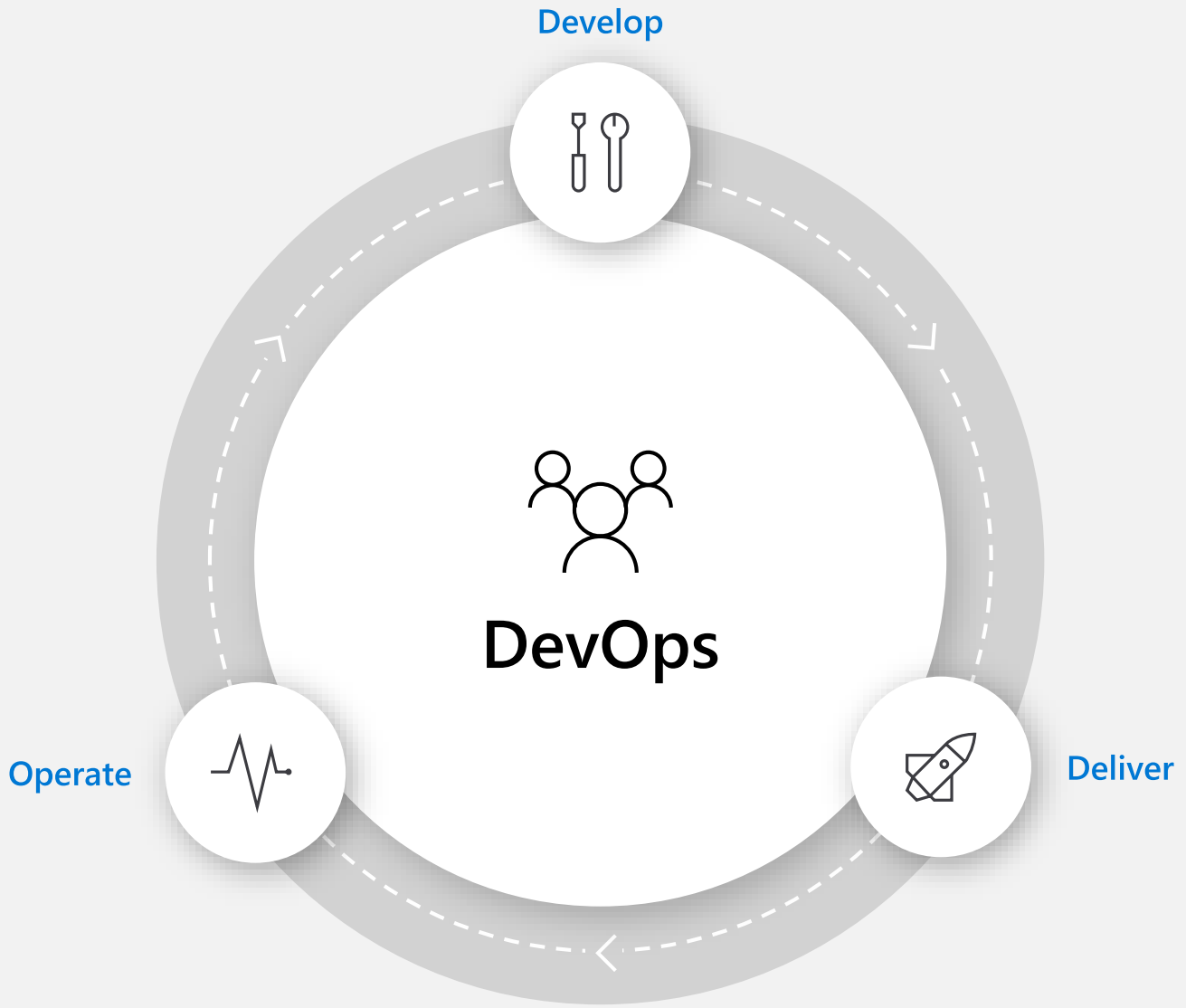
Was ist DevOps?

- Infrastructure as Code (IaC)
- Continuous Integration (CI)
- Automated Testing
- Application Performance Monitoring (APM)
- Continuous Deployment (CD)
- Release Management
- Configuration Management

http://www.itproguy.com/2015/06/26/devops-practices/

Accelerating Delivery with DevOps

> - DevOps is the union of **people**, **process**, and **products** to enable continuous delivery of value to your end users.



Azure DevOps

Continuous Delivery for Every Team, Every App, Every Platform

Azure Boards

Deliver value to your users faster using proven agile tools to plan, track, and discuss work across your teams.

Azure Pipelines

Build, test, and deploy with CI/CD that works with any language, platform, and cloud. Connect to GitHub or any other Git provider and deploy continuously.

Azure Repos

Get unlimited, cloud-hosted private Git repos and collaborate to build better code with pull requests and advanced file management.

Azure Test Plans

Test and ship with confidence using manual and exploratory testing tools.

Azure Artifacts

Create, host, and share packages with your team, and add artifacts to your CI/CD pipelines with a single click.

https://azure.com/devops

Deliver

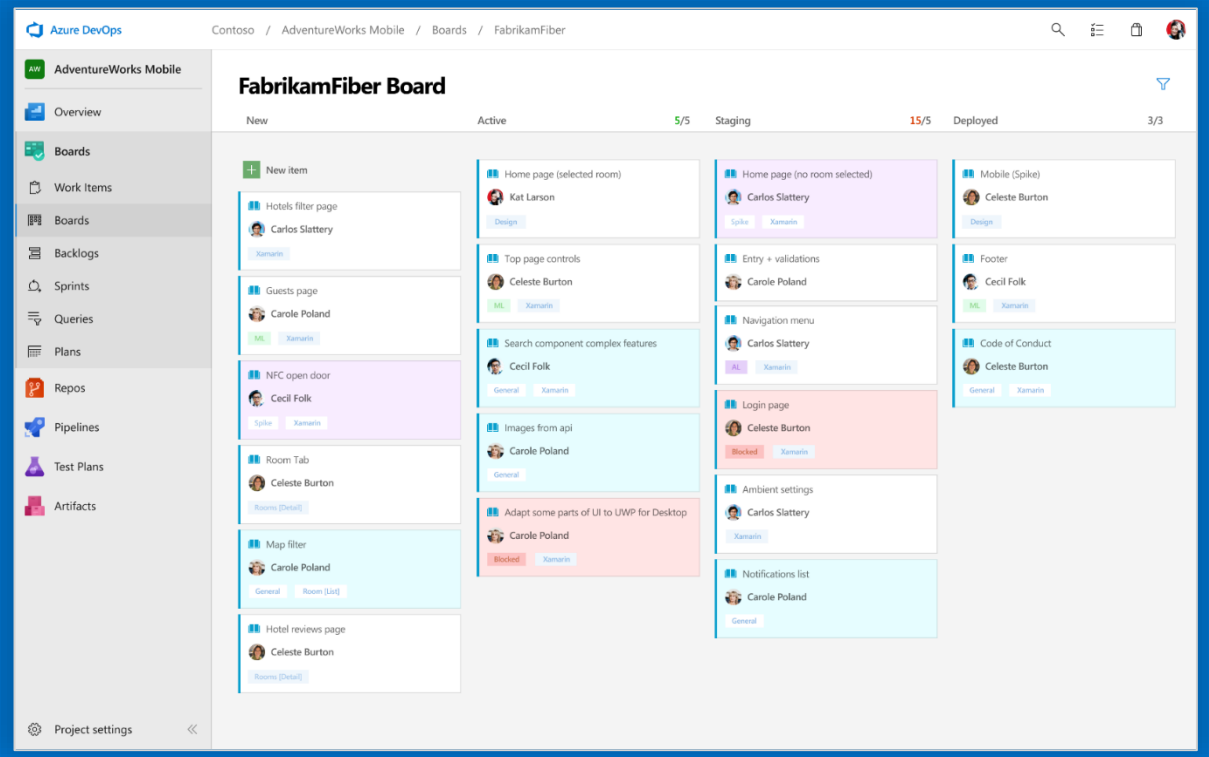
Azure Boards

Azure Repos

Azure Pipelines

Azure Artifacts

Azure Test Plans



Connecting ideas to releases

Scrum ready to help your teams run sprints, stand-ups, and plan work

Integrated with GitHub commits and pull requests

Insights into project status and health

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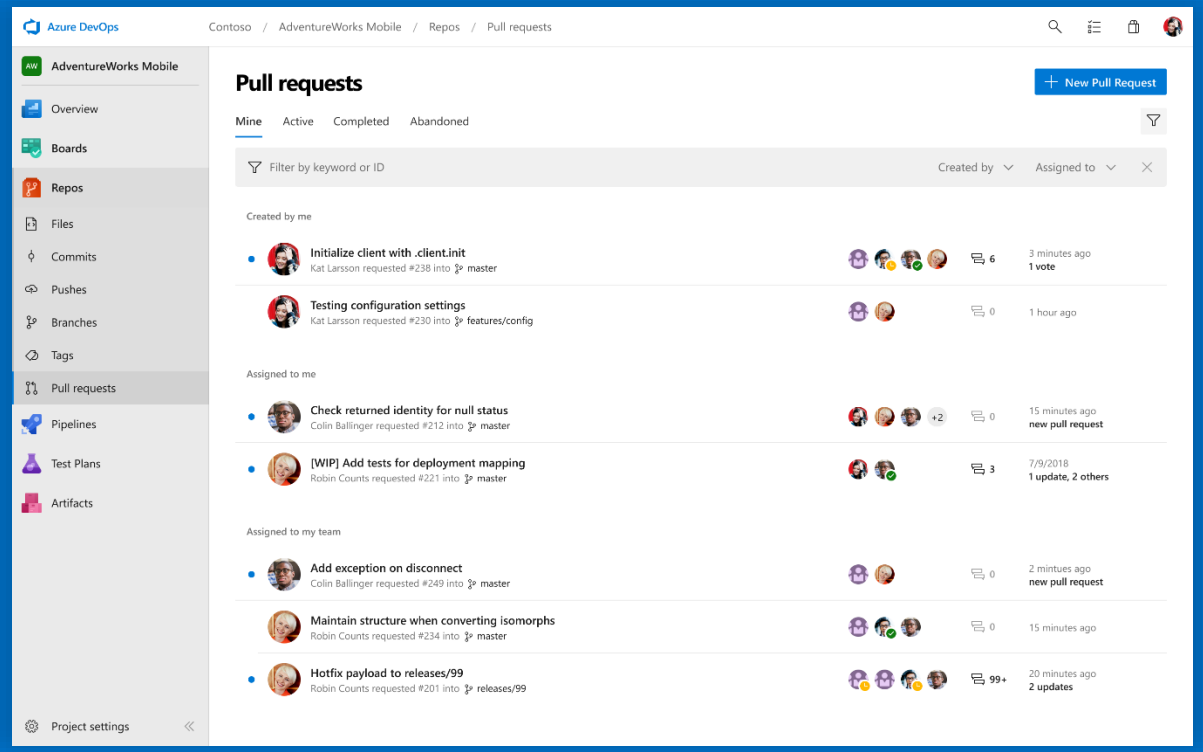

Private Git and TFVC repos for your teams

Code review via branch pull requests

Branch policies and build validation

Easy migration path to / from GitHub

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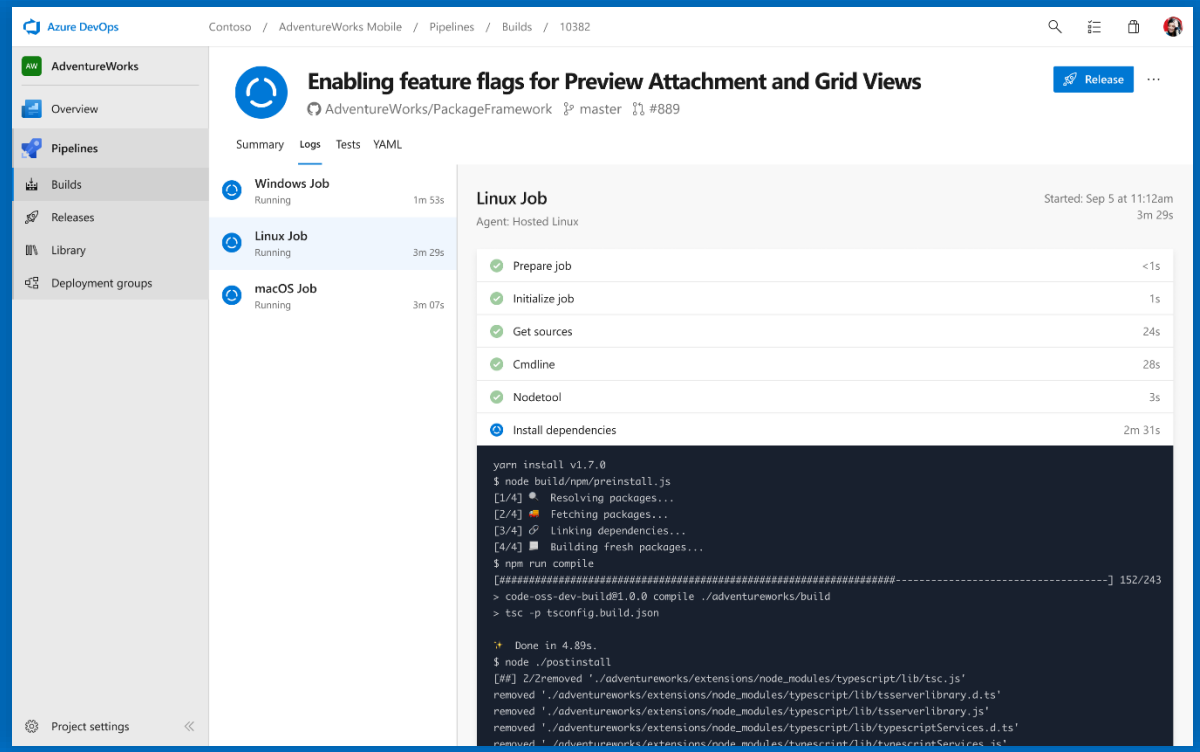

Cloud-hosted pipelines for Linux, macOS and Windows

Any language, any platform, any cloud

Native support for containers and Kubernetes

Best-in-class for open source

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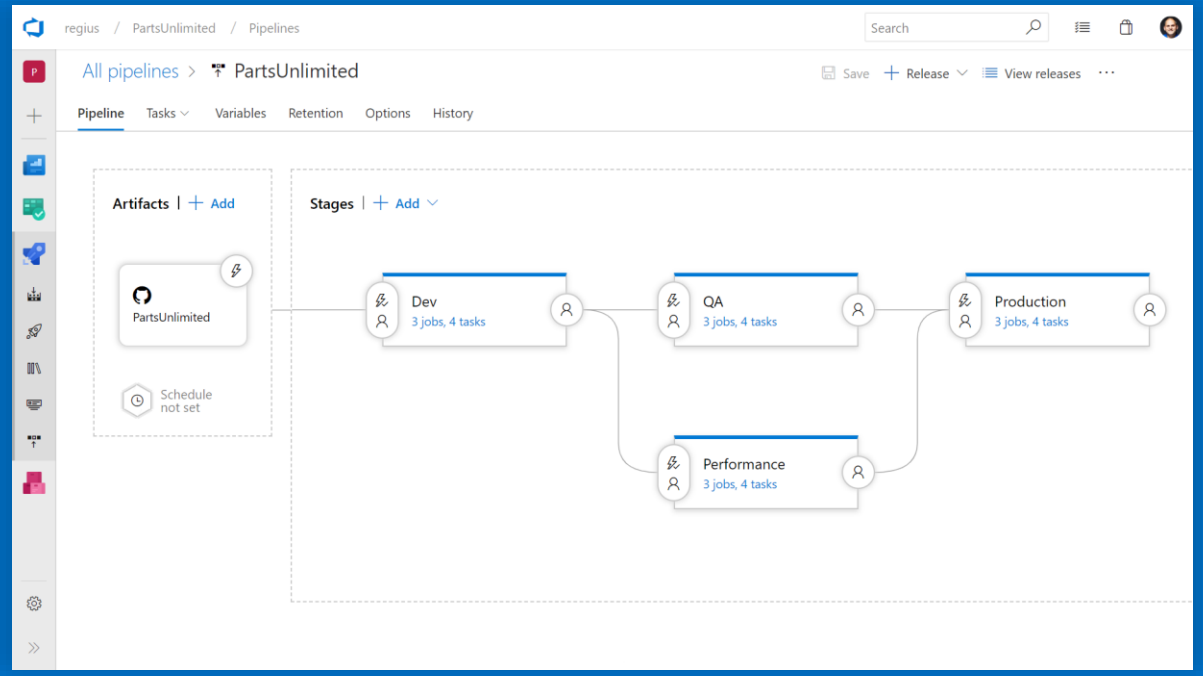

Deploy to on-premises, ANY cloud or a hybrid of cloud and on-prem

Staged environment releases

Pre and post deployment approvals with gates to automate approval based on conditions

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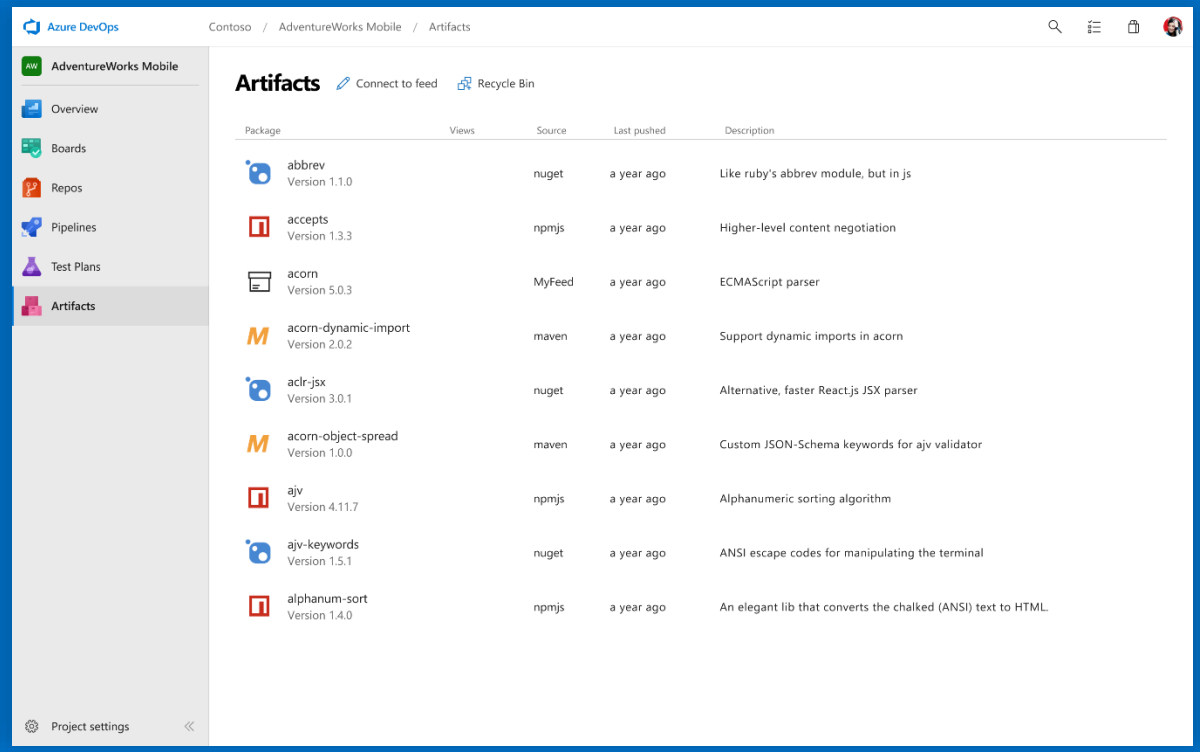

Share code efficiently

Keep your Maven, npm, NuGet and Python packages and more in the same place

Aggregate from public registries and internal teams

Publish and track from any pipeline

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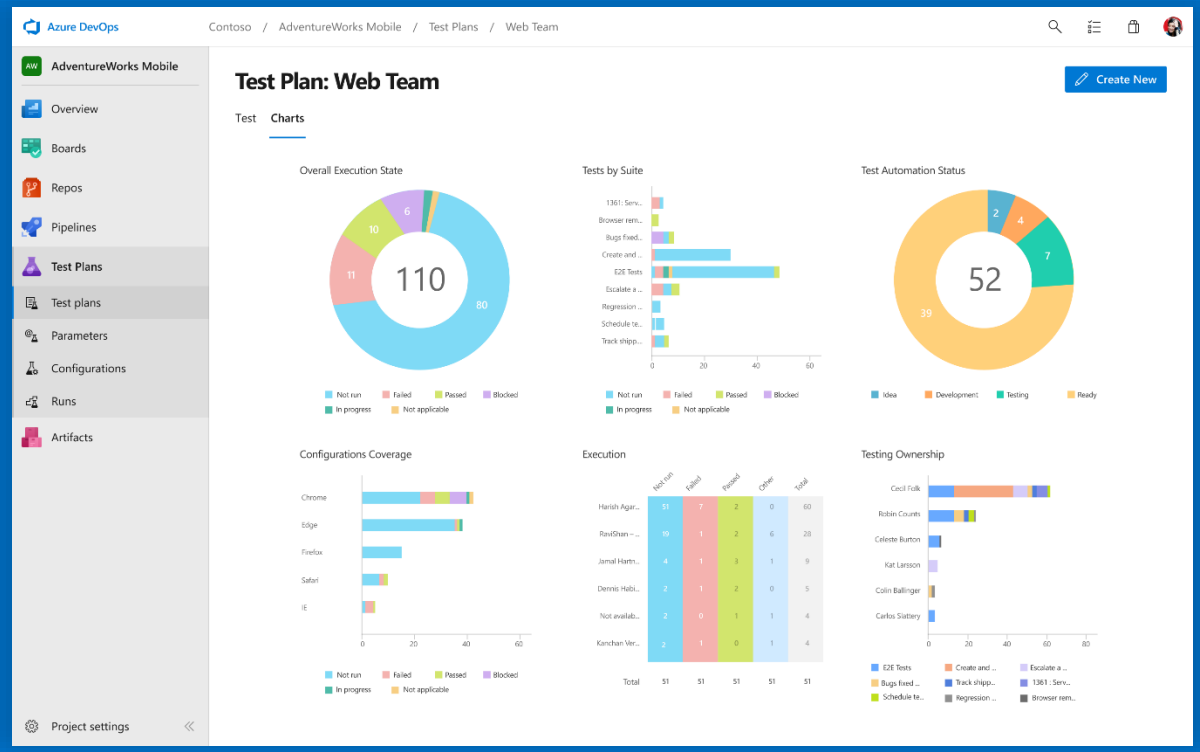


Run tests and log defects from your browser

Track and assess quality throughout your lifecycle

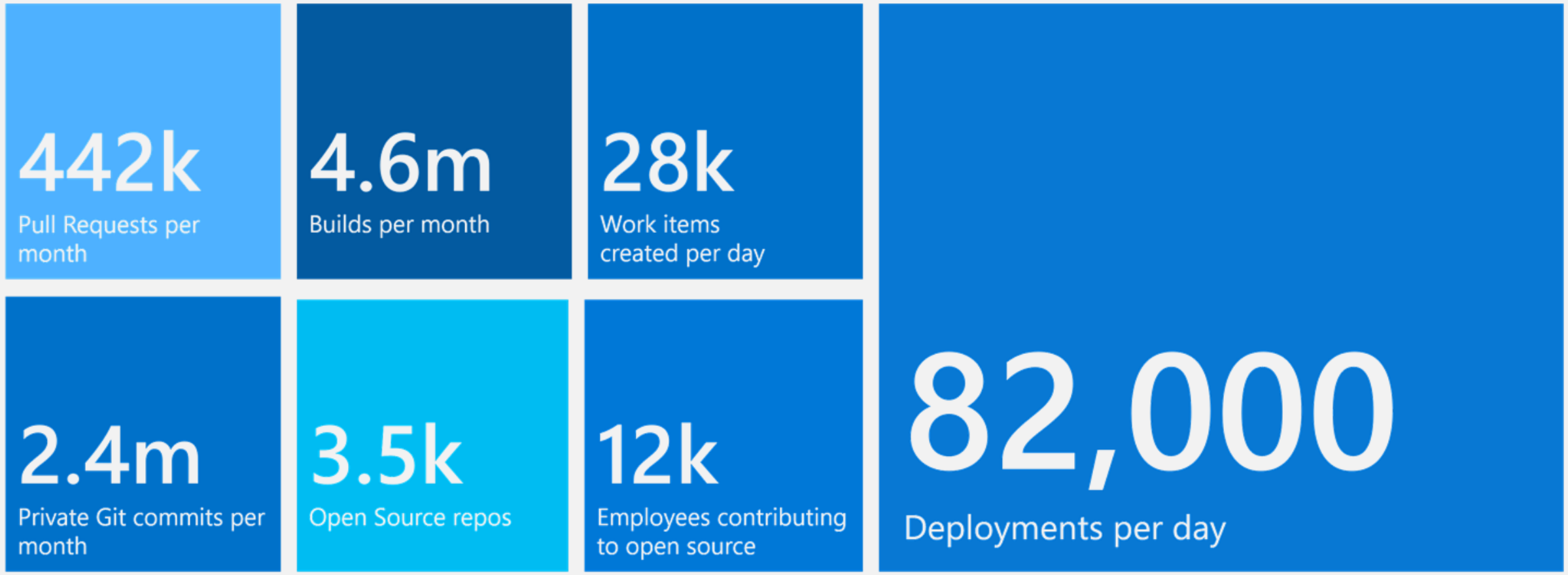
Capture rich data for reproducibility

Create tests directly from exploratory sessions

DevOps at Scale

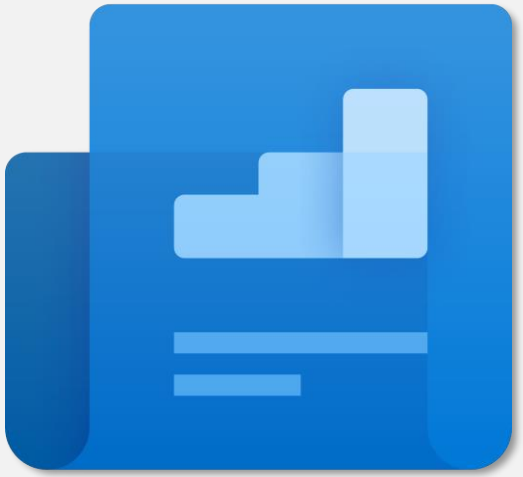
Azure DevOps is the toolchain of choice for Microsoft engineering with over 100,000 internal users

https://aka.ms/DevOpsAtMicrosoft



Data: Internal Microsoft engineering system activity, March 2019

Demo



Rückblick

Q&A

Vielen Dank für die Aufmerksamkeit!