

Pipeline your Ruby apps with Azure DevOps

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Software delivery paradox

Speed vs. control impedes innovation

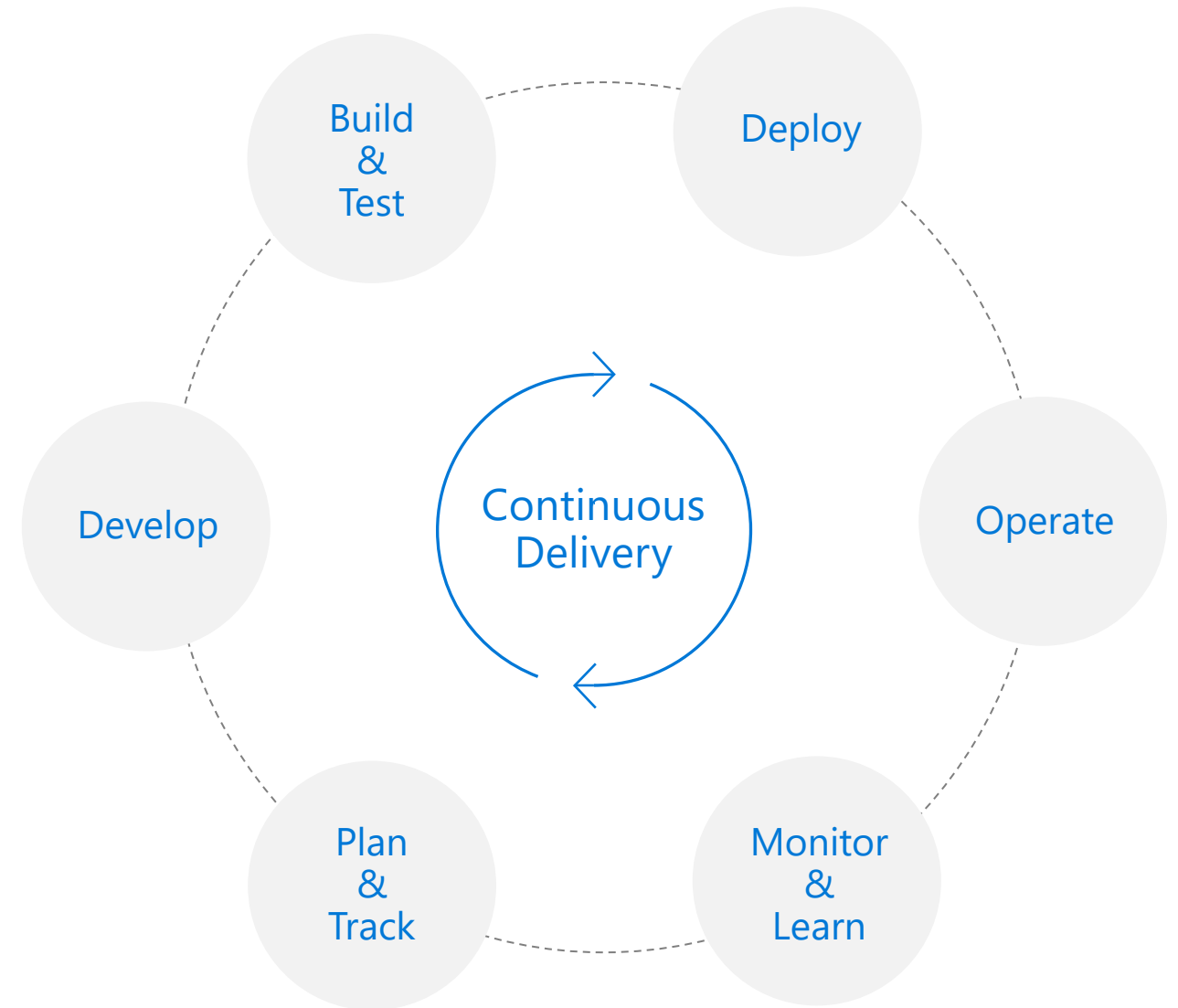


What is DevOps?

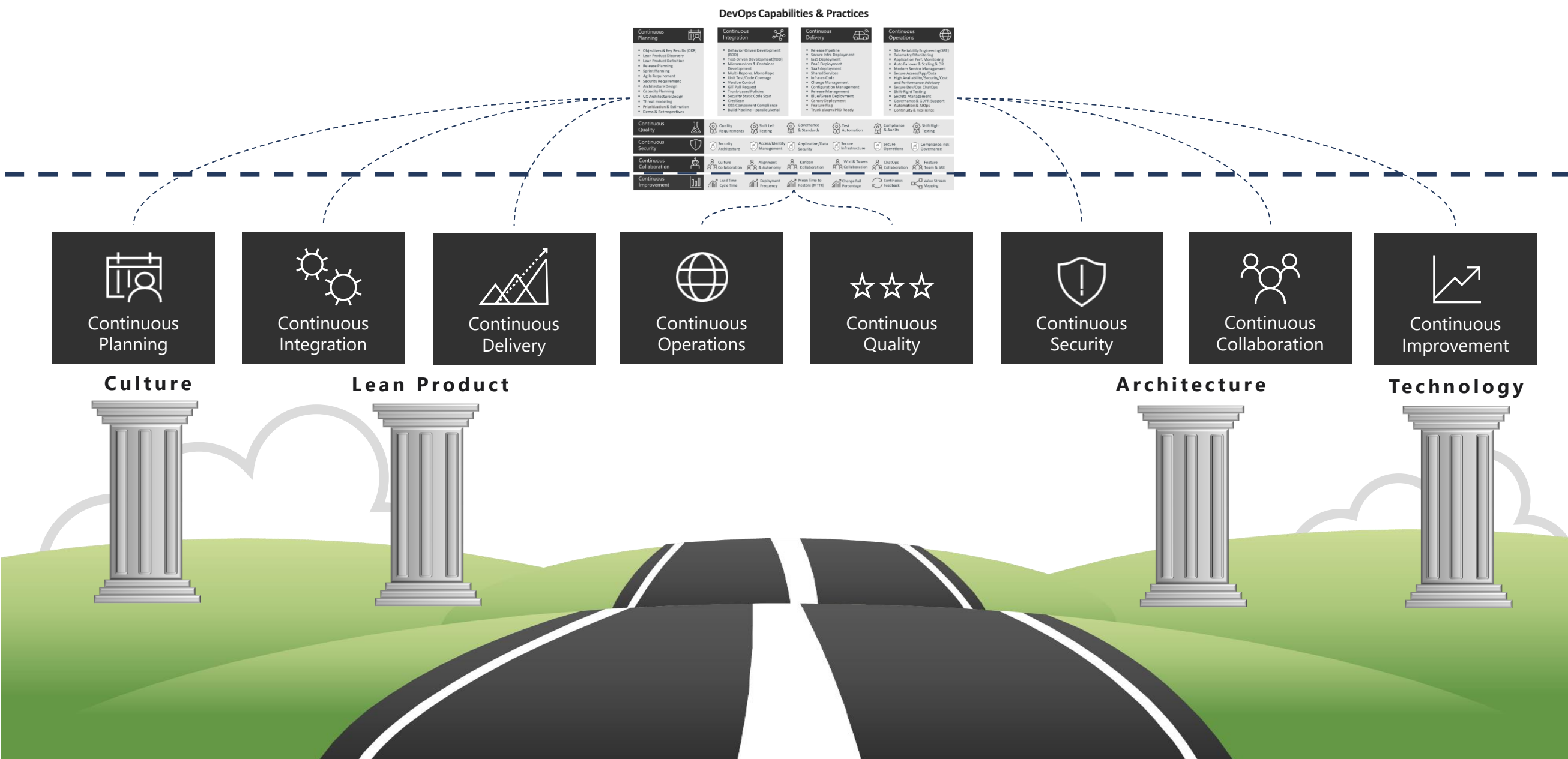
People. Process. Products.



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



DevOps Taxonomy



DevOps benefits based on research

Comparing elite DevOps performers against low performers, we find that elite performers have...

101010
010101
101010

46 times more

Frequent code deployments



2,555 times
faster

Lead time from commit
to deploy



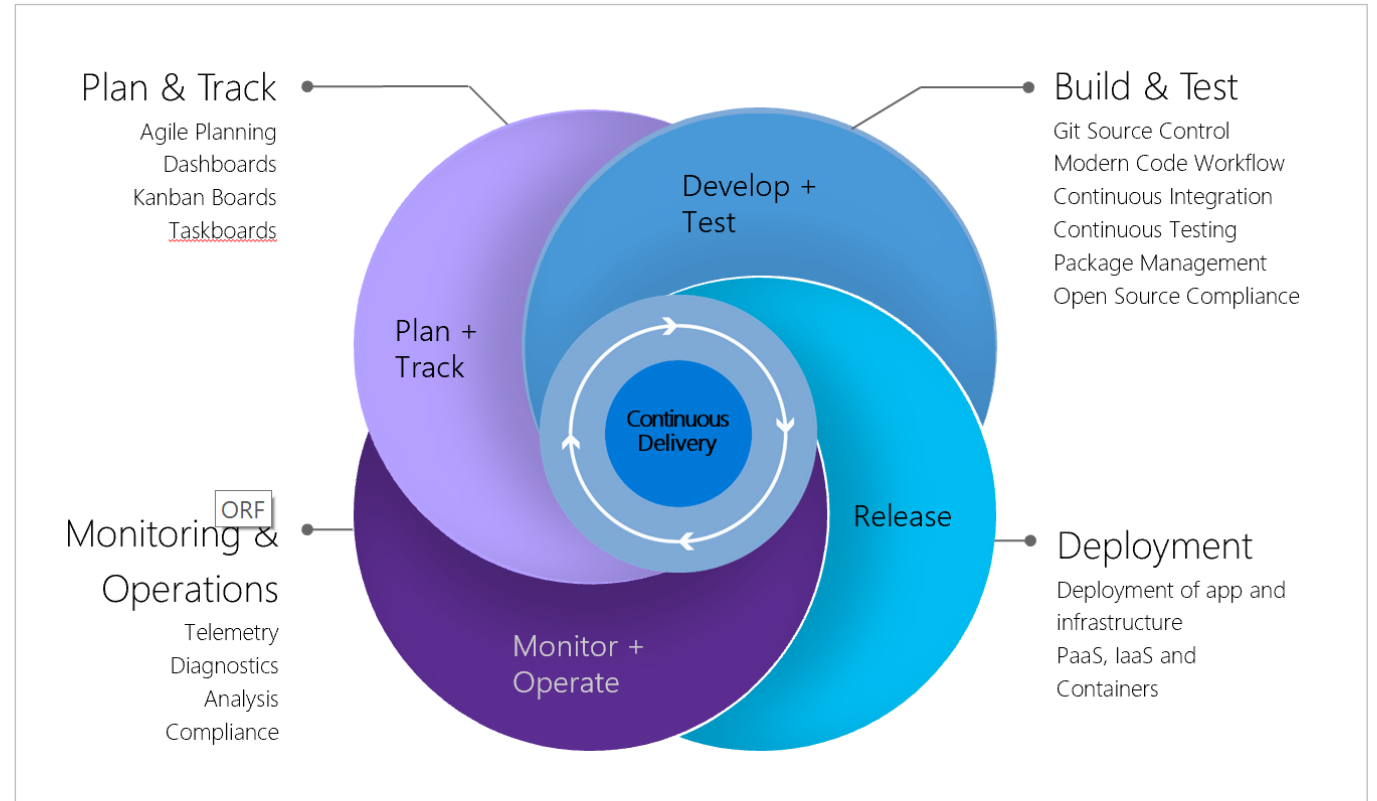
7 times lower

Change failure rate
(changes are 1/7 as likely to fail)



2,604 times
faster

Time to recover from incidents



DevOps is the union of people, process, and tools to enable continuous delivery of value to your end users.

Azure #DevOps

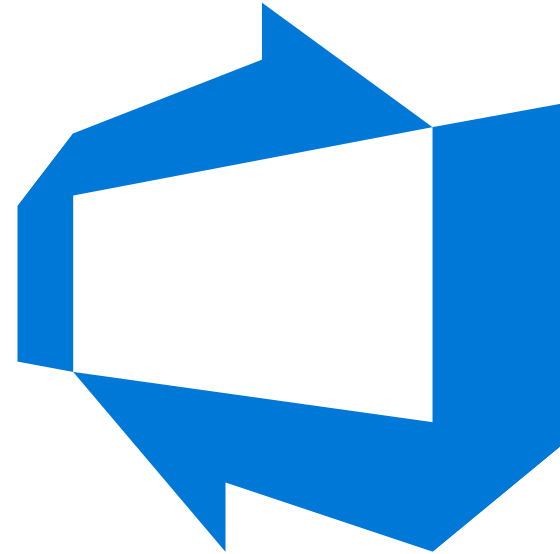
Building the largest developer ecosystem on the planet

With over a decade of experience building developer services



GitHub

40 million developers
96 million repositories



Azure DevOps

1000's of enterprises
15+ years of developer innovation

Azure DevOps



Azure Boards

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



Azure Test Plans

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



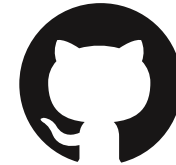
Azure Pipelines

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.



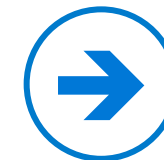
Azure Artifacts

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



Azure Repos + GitHub repo

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



<https://azure.com/devops>

Azure Boards

Track work with Kanban boards, backlogs, team dashboards, and custom reporting



Connected from idea to release

Track all your ideas at every development stage and keep your team aligned with all code changes linked directly to work items.



Scrum ready

Use built-in scrum boards and planning tools to help your teams run sprints, stand-ups, and planning meetings.

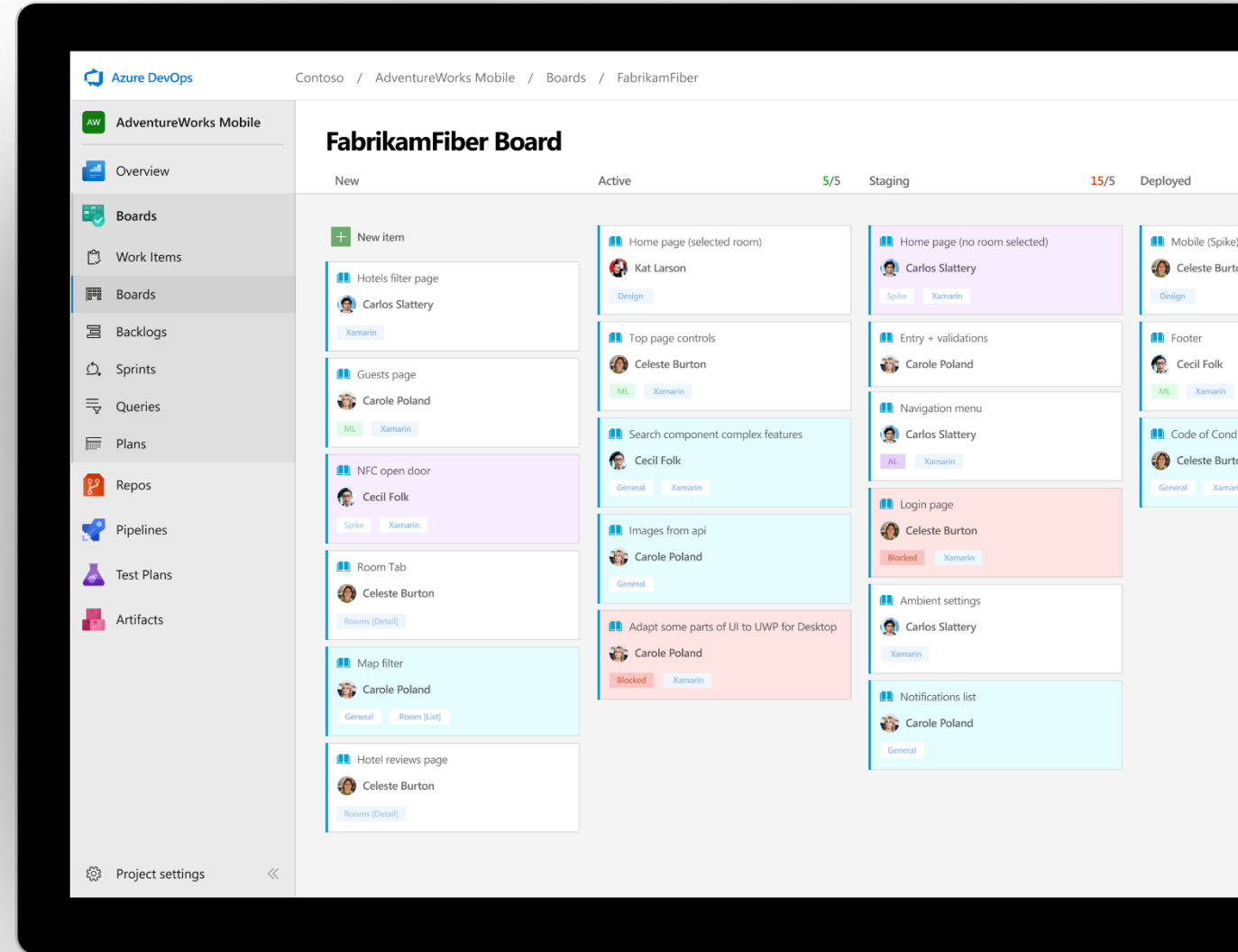


Project insights

Gain new insights into the health and status of your project with powerful analytics tools and dashboard widgets.



<https://azure.com/devops>



Azure Pipelines

Cloud-hosted pipelines for Linux, Windows and macOS, with unlimited minutes for open source



Any language, any platform, any cloud

Build, test, and deploy Node.js, Python, Java, PHP, Ruby, C/C++, .NET, Android, and iOS apps. Run in parallel on Linux, macOS, and Windows. Deploy to Azure, AWS, GCP or on-premises



Extensible

Explore and implement a wide range of community-built build, test, and deployment tasks, along with hundreds of extensions from Slack to SonarCloud. Support for YAML, reporting and more



Containers and Kubernetes

Easily build and push images to container registries like Docker Hub and Azure Container Registry. Deploy containers to individual hosts or Kubernetes.

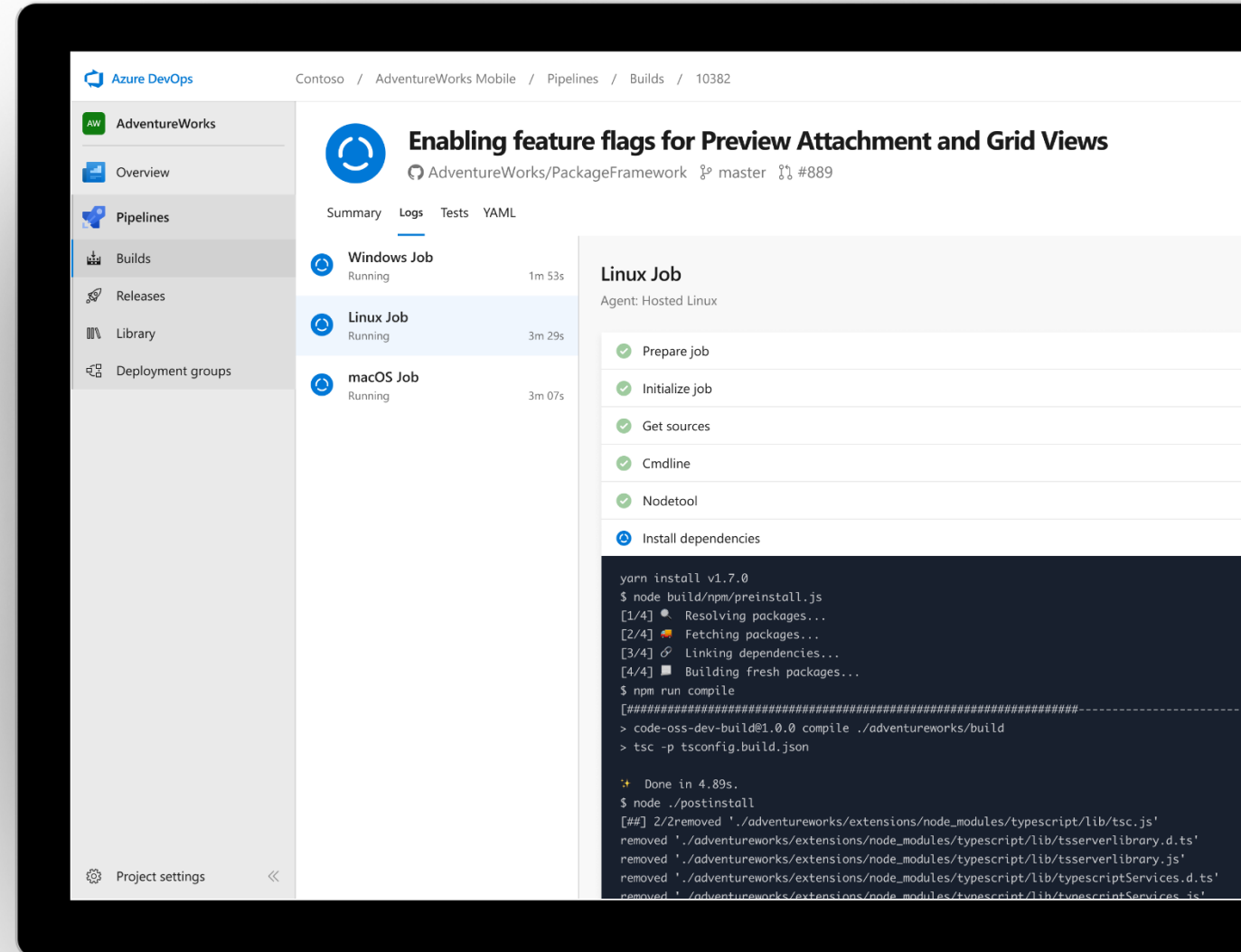


Best-in-class for open source

Ensure fast continuous integration/continuous delivery (CI/CD) pipelines for every open source project. Get unlimited build minutes for all open source projects with up to 10 free parallel jobs across Linux, macOS and Windows



<https://azure.com/pipelines>



Azure Repos

Unlimited private Git repo hosting and support for TFVC that scales from a hobby project to the world's largest Git repositories



Works with your Git client

Securely connect with and push code into your Git repos from any IDE, editor, or Git client.



Web hooks and API integration

Add validations and extensions from the marketplace or build your own using web hooks and REST APIs.

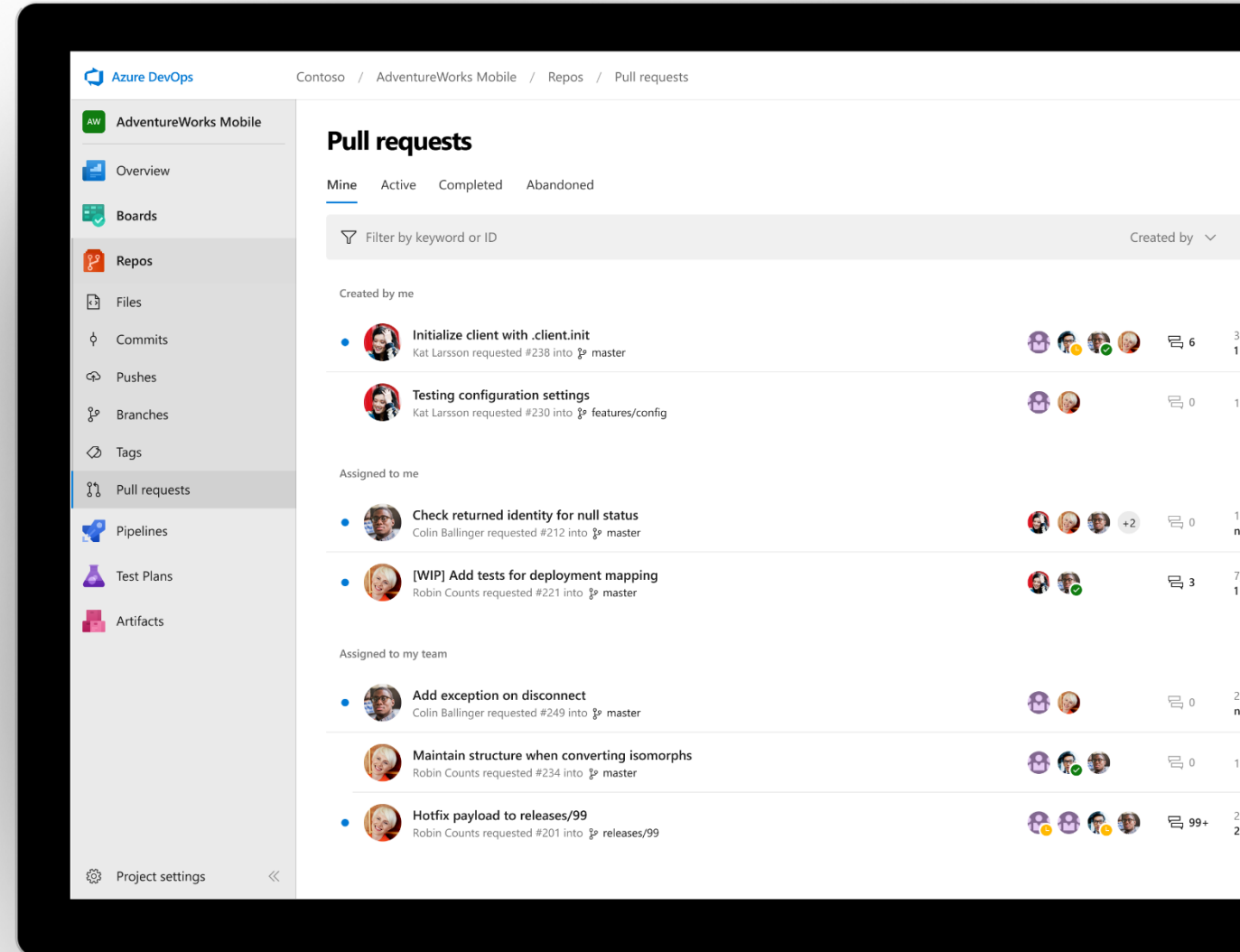


Semantic code search

Quickly find what you're looking for with code-aware search that understands classes and variables.



<https://azure.com/devops>



Azure Test Plans

Get end-to-end traceability. Run tests and log defects from your browser. Track and assess quality throughout your testing lifecycle.



Capture rich data

Capture rich scenario data as you execute tests to make discovered defects actionable. Explore user stories without test cases or test steps. You can create test cases directly from your exploratory test sessions.



Test across web and desktop

Test your application where it lives. Complete scripted tests across desktop or web scenarios. Test on-premises application from the cloud and vice-versa.

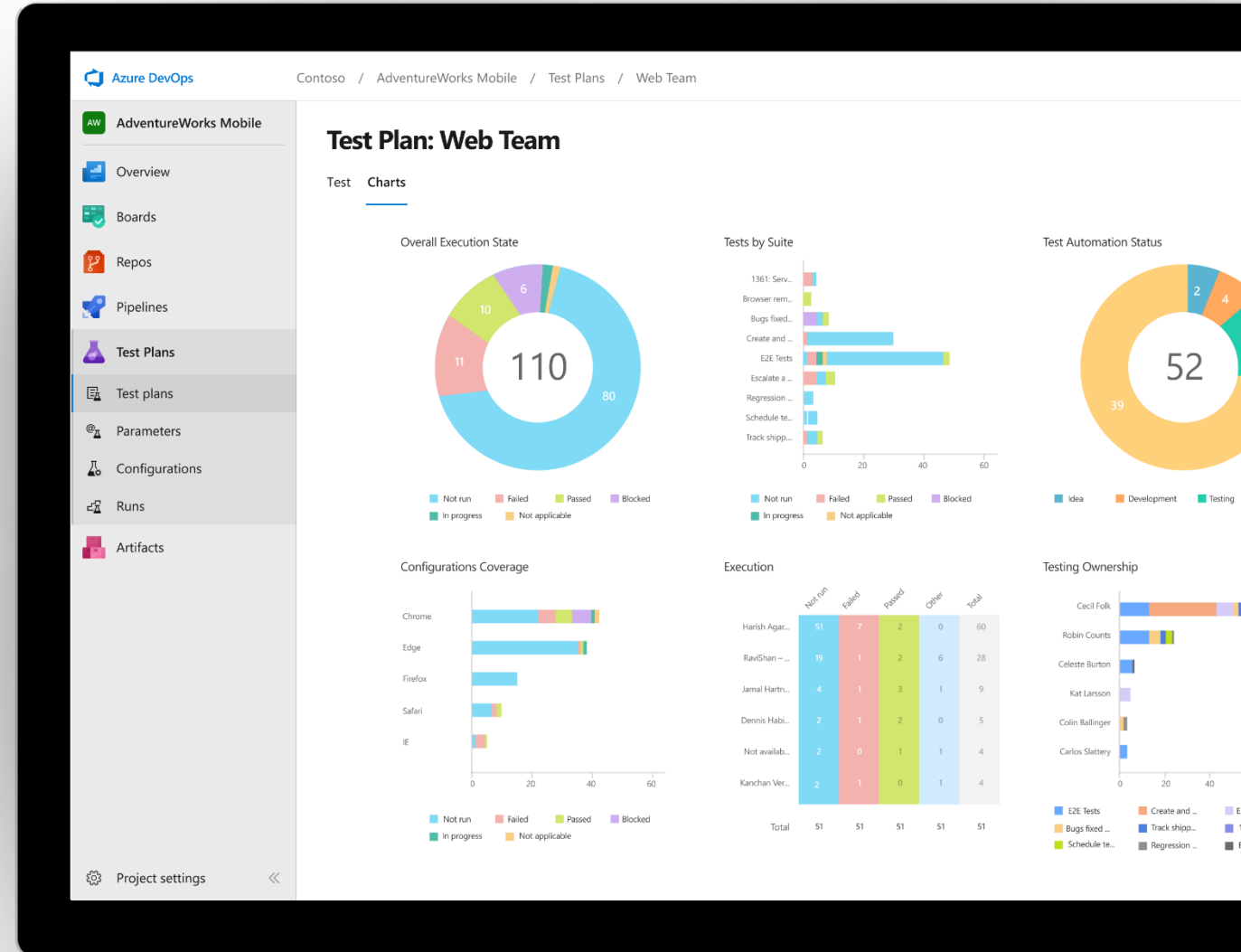


Get end-to-end traceability

Leverage the same test tools across your engineers and user acceptance testing stakeholders. Pay for the tools only when you need them.



<https://azure.com/devops>



Azure Artifacts

Create and share Maven, npm, and NuGet package feeds from public and private sources – fully integrated into CI/CD pipelines



Manage all package types

Get universal artifact management for Maven, npm, and NuGet.



Add packages to any pipeline

Share packages, and use built-in CI/CD, versioning, and testing.

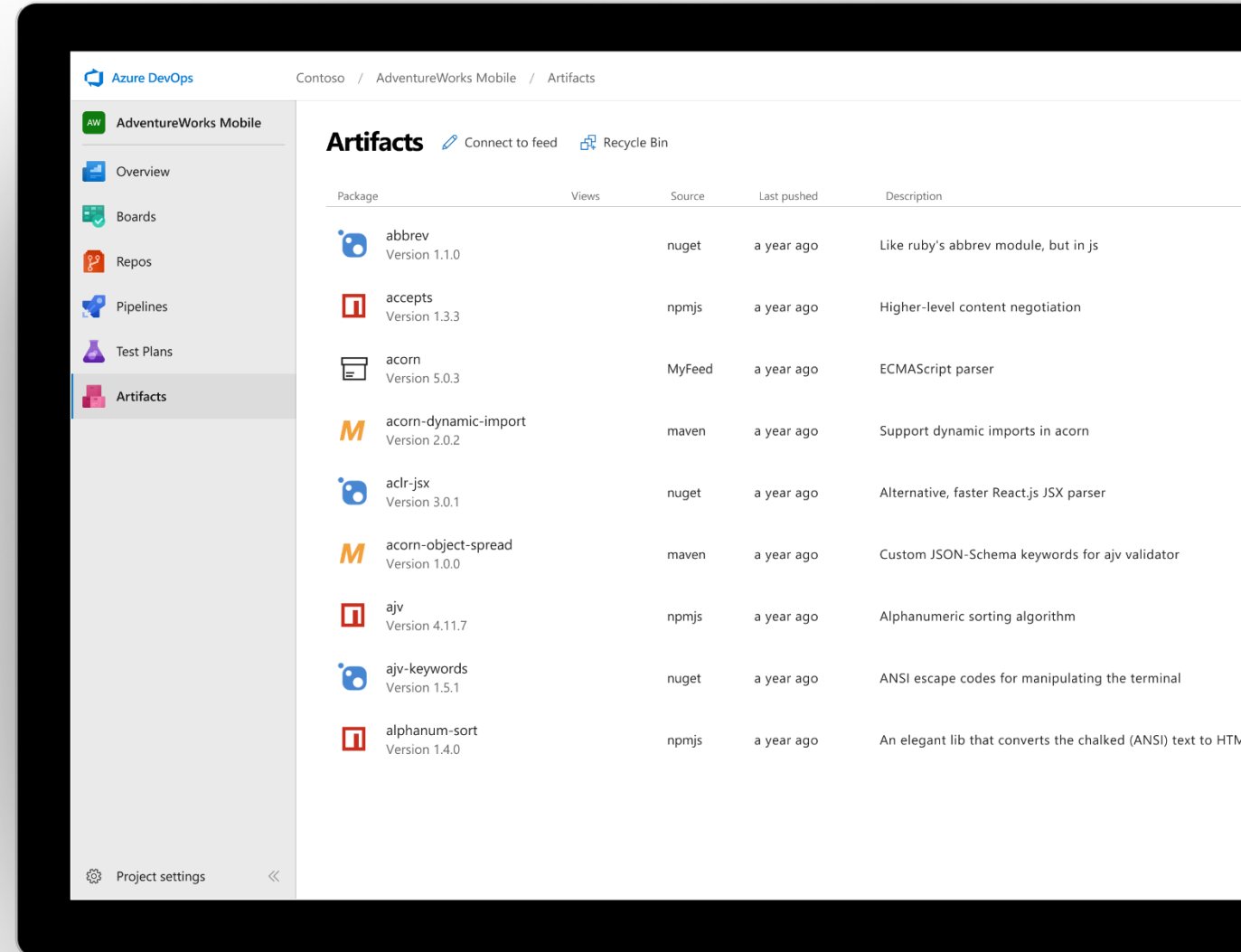


Share code efficiently

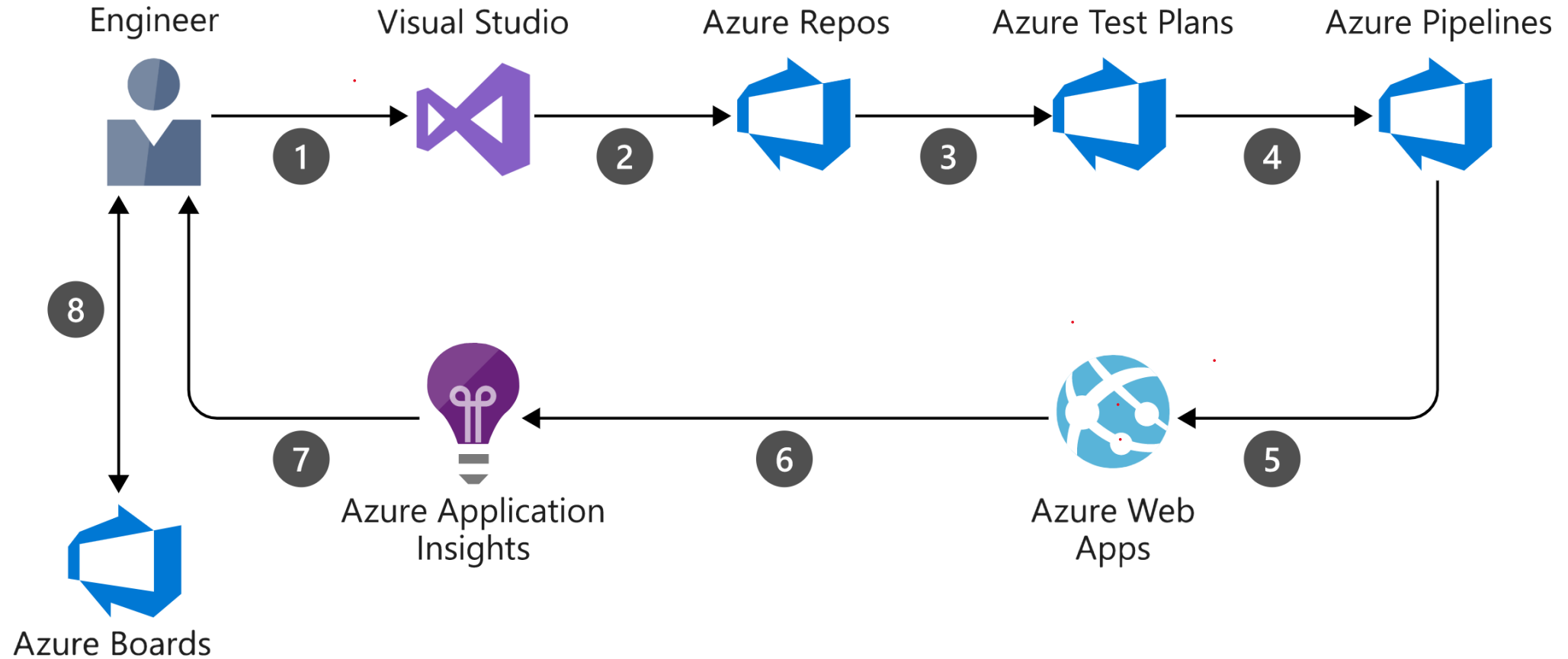
Easily share code across small teams and large enterprises.



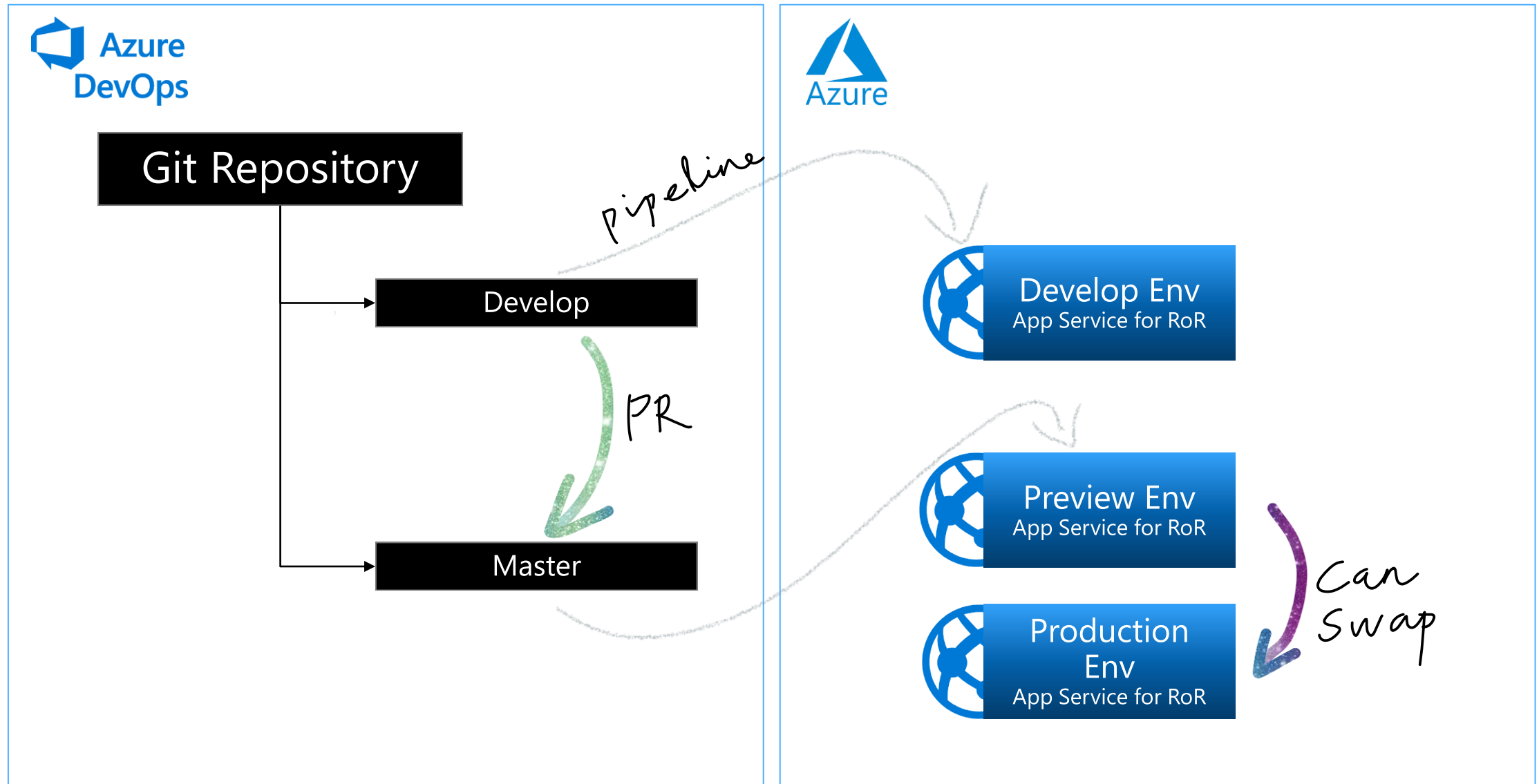
<https://azure.com/devops>



Demo: Pipeline Ruby App with Azure DevOps



Demo: Pipeline Ruby App with Azure DevOps



What's next?

Infrastructure as Code



Appendix

DevOps

Pricing

INDIVIDUAL SERVICES

Azure Pipelines



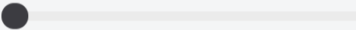
1 Free Microsoft-hosted CI/CD
1 Free Self-Hosted CI/CD

Start free >

- 1 Microsoft-hosted job with 1,800 minutes per month for CI/CD and 1 self-hosted job with unlimited minutes per month
- \$40 per extra Microsoft-hosted CI/CD parallel job and \$15 per extra self-hosted CI/CD parallel job with unlimited minutes

Microsoft-hosted

Free

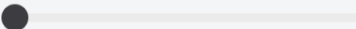


1,800 minutes free with 1
free parallel job

\$0/mo

Self-hosted

1



1 free parallel job with
unlimited minutes

\$0/mo

Azure Artifacts



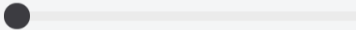
2 GB free,
then starting at \$2 per GB

Start free >

- Industry-leading NuGet Server
- Support for Maven, npm, and Python packages
- Upstream sources to help protect open-source dependencies
- Integrated with Azure Pipelines
- Sophisticated access controls

First 2 GB free

0



\$0/extra gigabyte

\$0/mo

Rate card

- 0 - 2 GB = Free
- 2 - 10 GB = \$2 per GB
- 10 - 100 GB = \$1 per GB
- 100 - 1,000 GB = \$0.50 per GB
- 1,000+ GB = \$0.25 per GB

USER LICENSES

Basic Plan



First 5 users free,
then \$6 per user per month

Start free >

- **Azure Pipelines:** Includes the free offer from INDIVIDUAL SERVICES
- **Azure Boards:** Work item tracking and Kanban boards
- **Azure Repos:** Unlimited private Git repos
- **Azure Artifacts:** 2 GB free per organization

First 5 users free

1



\$6/user/month

Basic + Test Plans



\$52 per user
per month

30 day free trial >

- Includes all Basic plan features
- Test planning, tracking & execution
- Browser-based tests with annotation
- Rich-client test execution
- User acceptance testing
- Centralized reporting

1



\$52/user/month

\$52/mo

Thank You

ευχαριστώ Salamat Po متشكراً شكراً Grazie
благодаря ありがとうございます Kiitos Teşekkürler 谢谢
ឧបត្ថម្ភ Obrigado شكریه Terima Kasih Dziękuję
Hvala Köszönöm Tak Dank u wel ДЯКУЮ Tack
Mulțumesc спасибо Danke Cám ơn Gracias
多謝晒 Ďakujem תודה நன்றி Děkuji 감사합니다



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