Azure DevOps

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Azure Global Bootcamp
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About Me

- ✓ President of Accentient

- ✓ Microsoft MVP (Visual Studio ALM)

- ✓ Professional Scrum Developer

- ✓ Professional Scrum Trainer

- ✓ Co-creator of the Nexus
  (scaled Scrum framework)

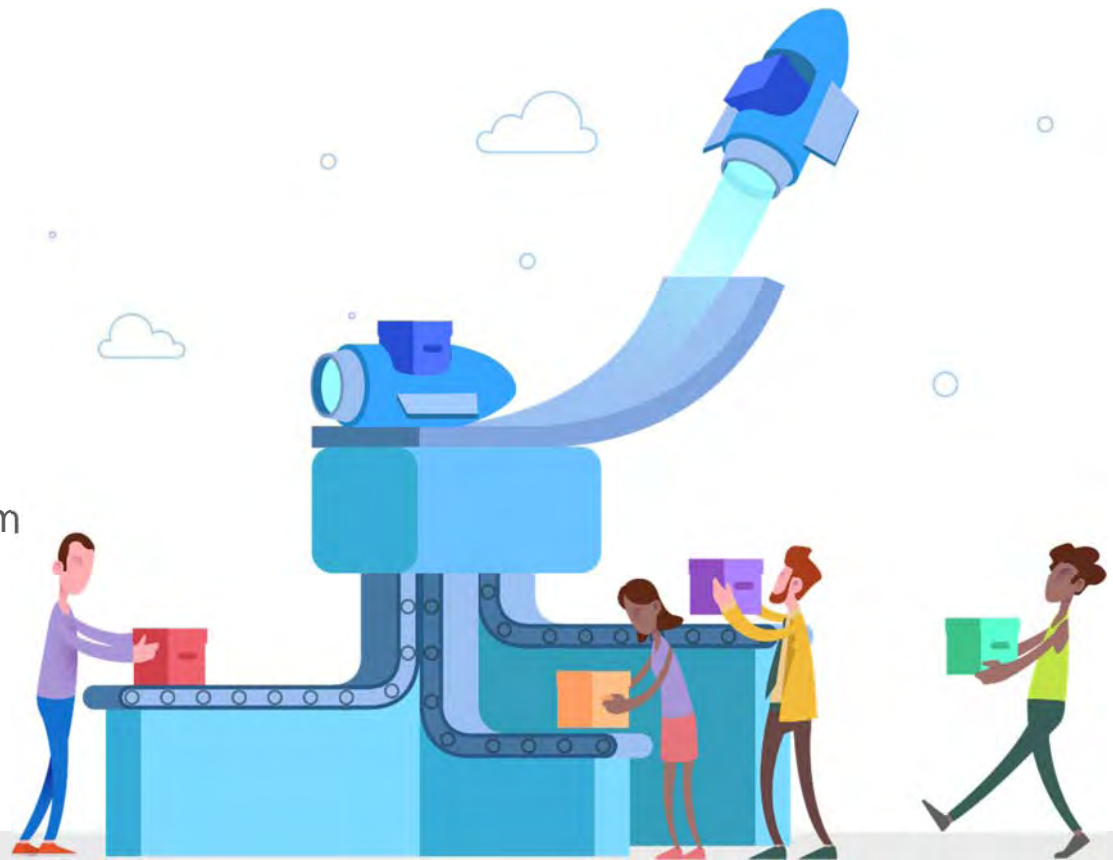- ✓ richard@accentient.com

- 🐦 @rhundhausen

Azure DevOps

#AzureDevOps

🌐 https://azure.com/devops

🐦 @AzureDevOps

💬 https://aka.ms/AzureDevOpsForum
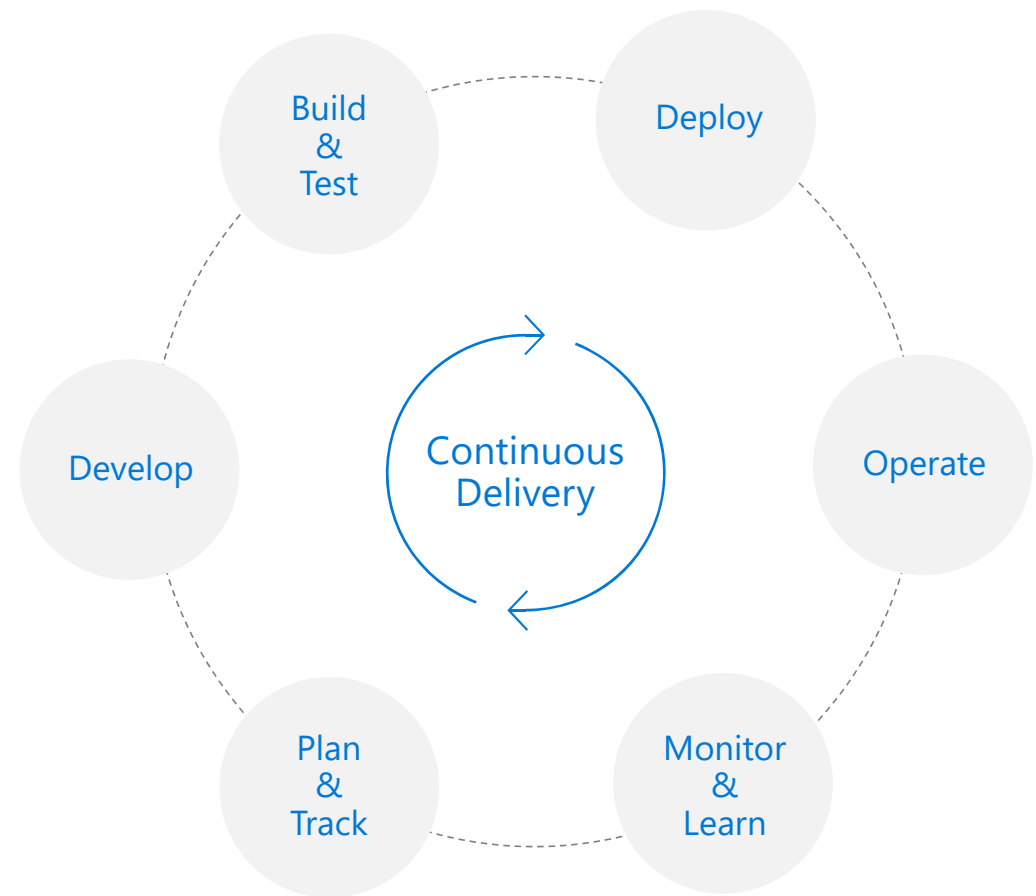
📄 https://aka.ms/DevOpsBlog/
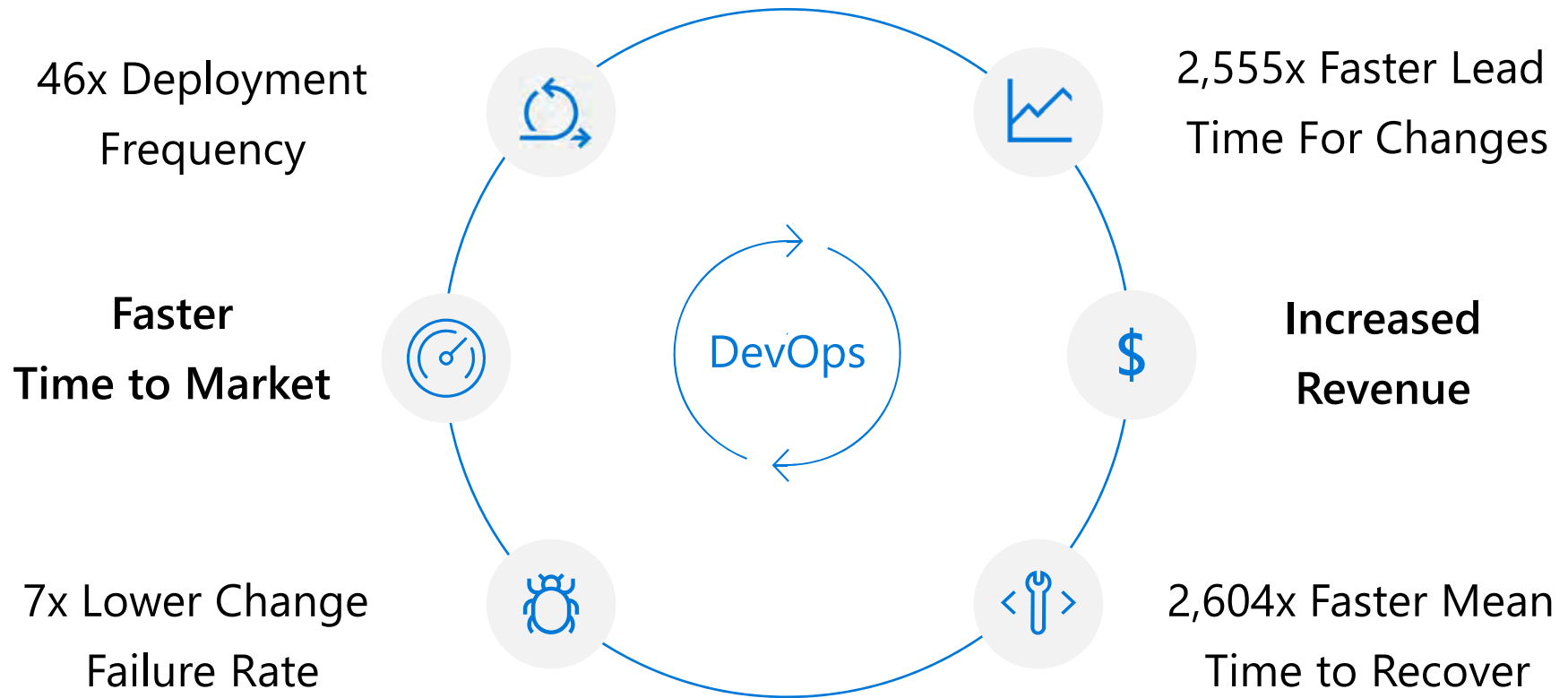
What is DevOps?

People. Process. Products.

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

High Performance DevOps Companies Achieve...

46x Deployment
Frequency

2,555x Faster Lead
Time For Changes

**Faster
Time to Market**

DevOps

**Increased
Revenue**

7x Lower Change
Failure Rate

2,604x Faster Mean
Time to Recover

Introducing Azure DevOps

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.
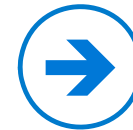
Azure Test Plans

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

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.
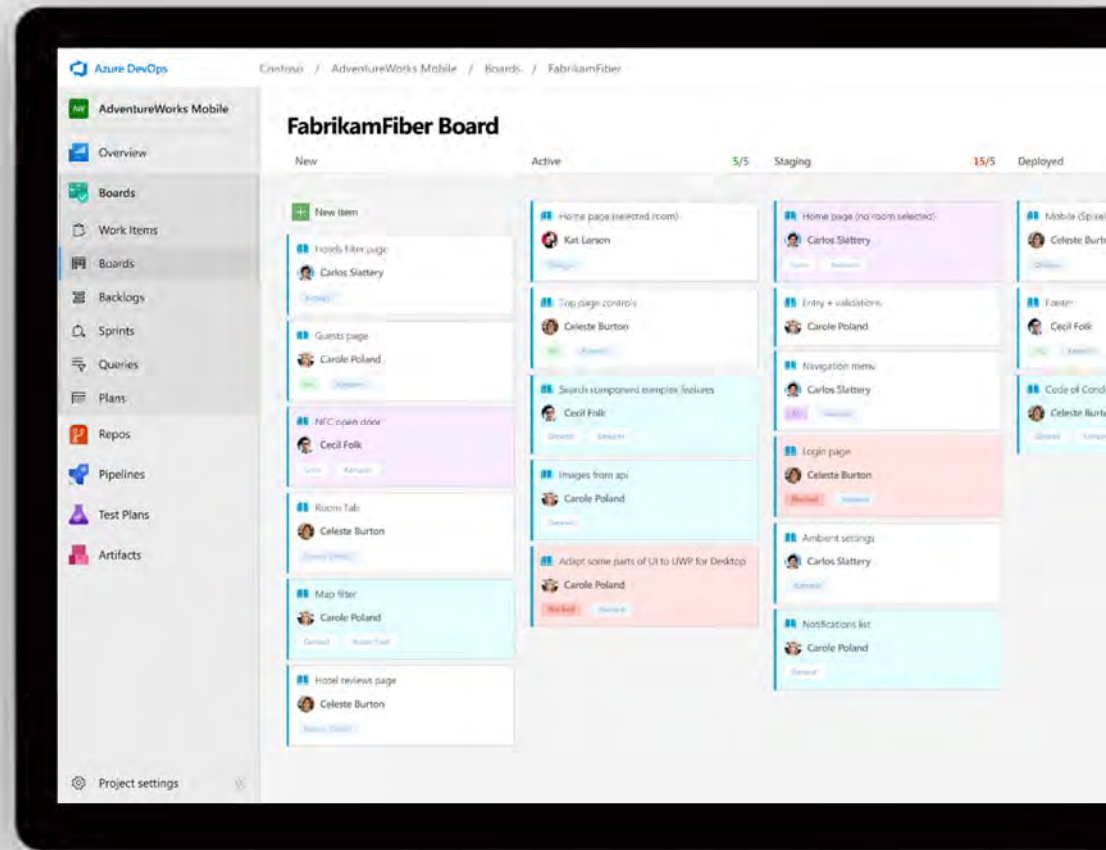
Project insights

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

https://azure.com/devops

Azure 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.
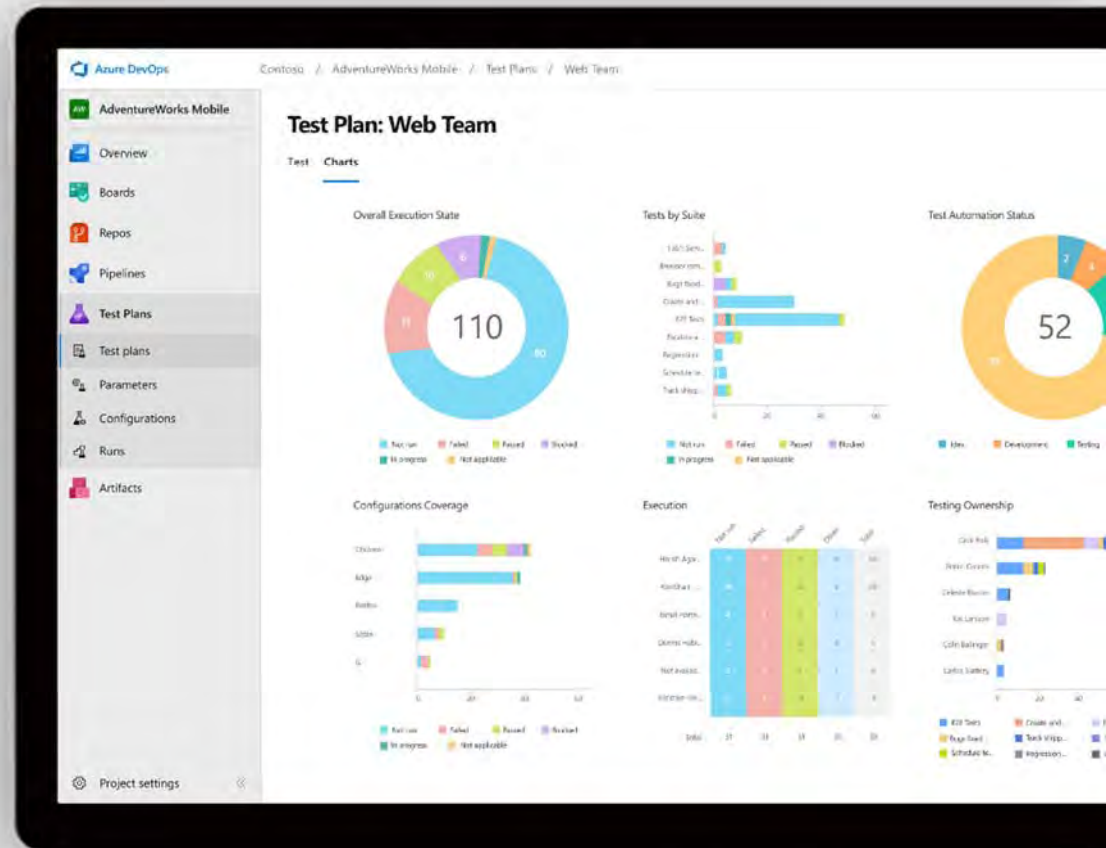
Get end-to-end traceability

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 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
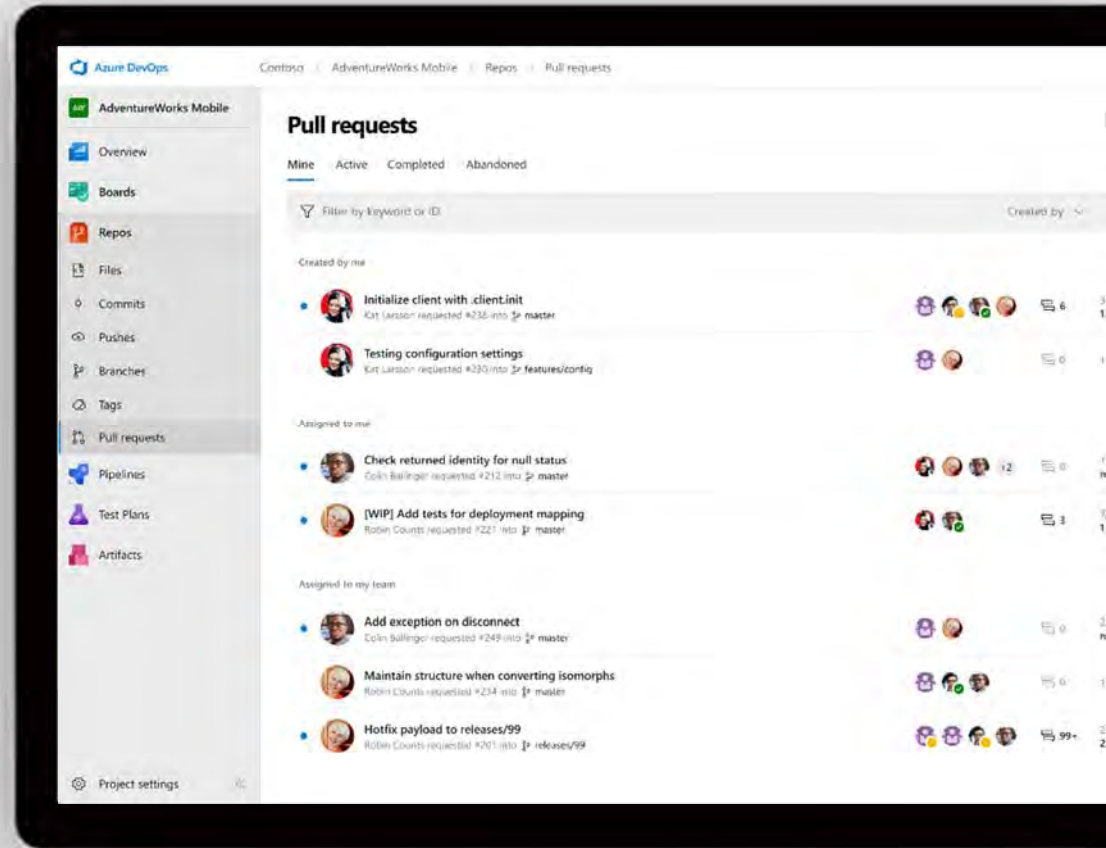or build your own using web hooks and REST APIs.

Semantic code search

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

https://azure.com/devops

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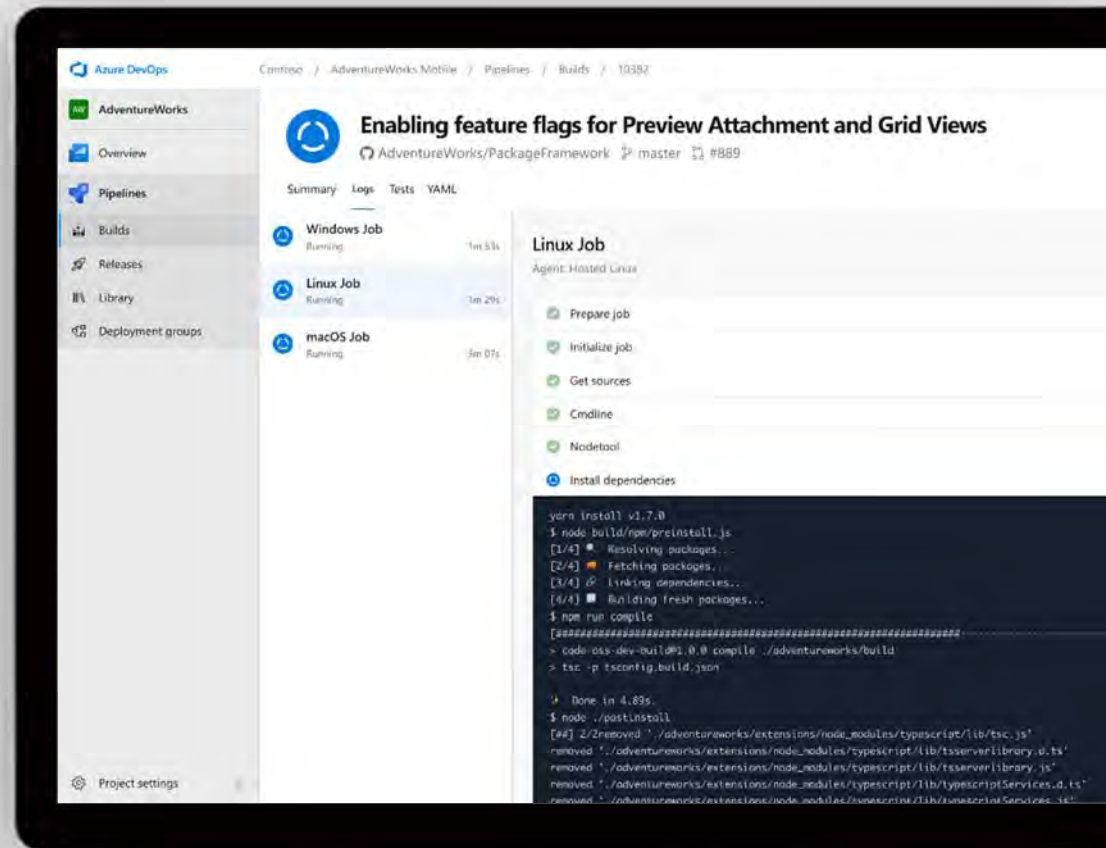
Best-in-class for open source
Ensure fast continuous integration/continuous delivery (CI/CD) pipelines for every open source project. Get unlimited build minutes for all open source projects with up to 10 free parallel jobs across Linux, macOS and Windows

https://azure.com/pipelines

Azure 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.

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