

Azure DevOps?

<http://aka.ms/javacode>

@rorypreddy

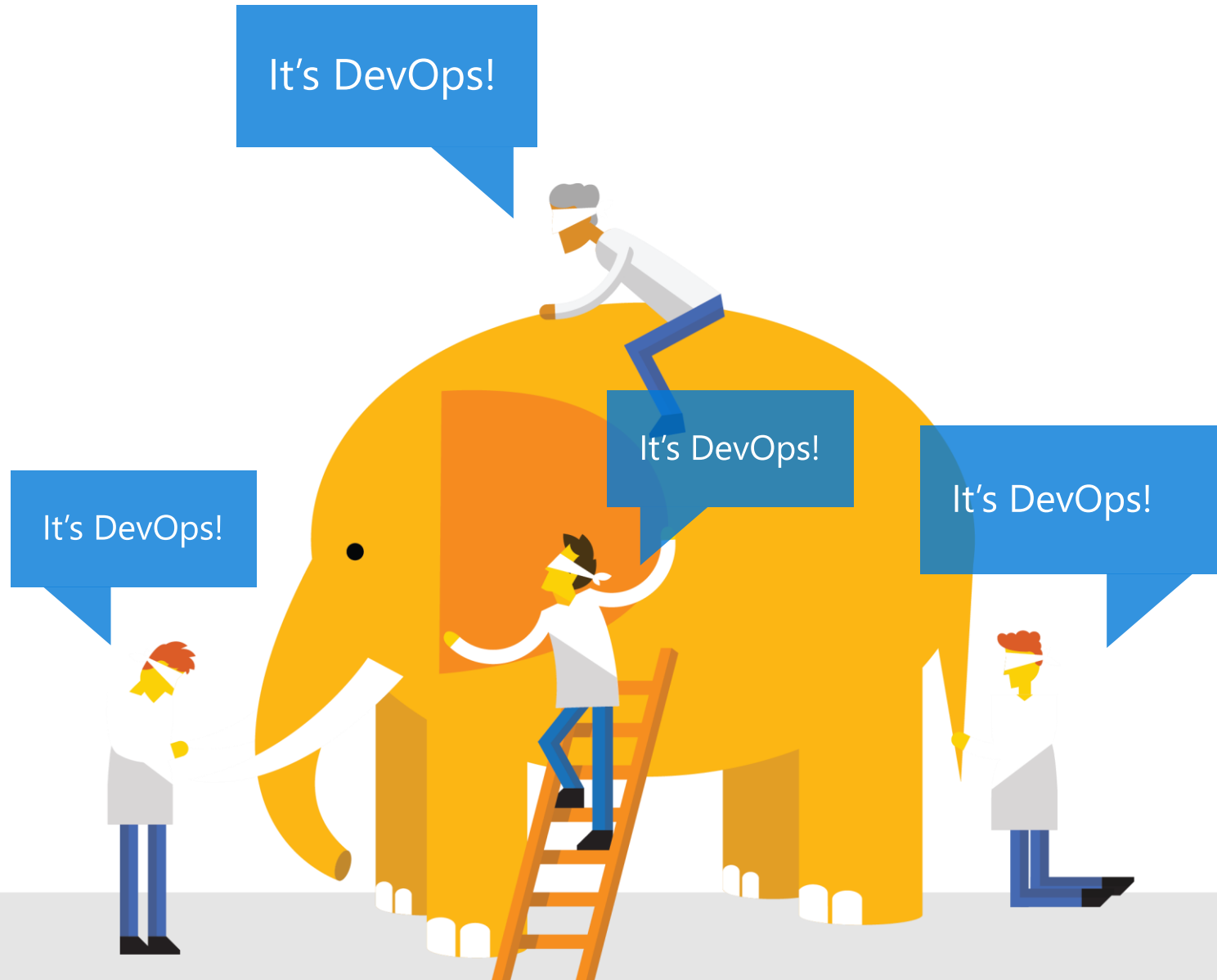


What is DevOps?

“DevOps is development and operations **collaboration**”

“DevOps is using **automation**”

“DevOps is **small** deployments”

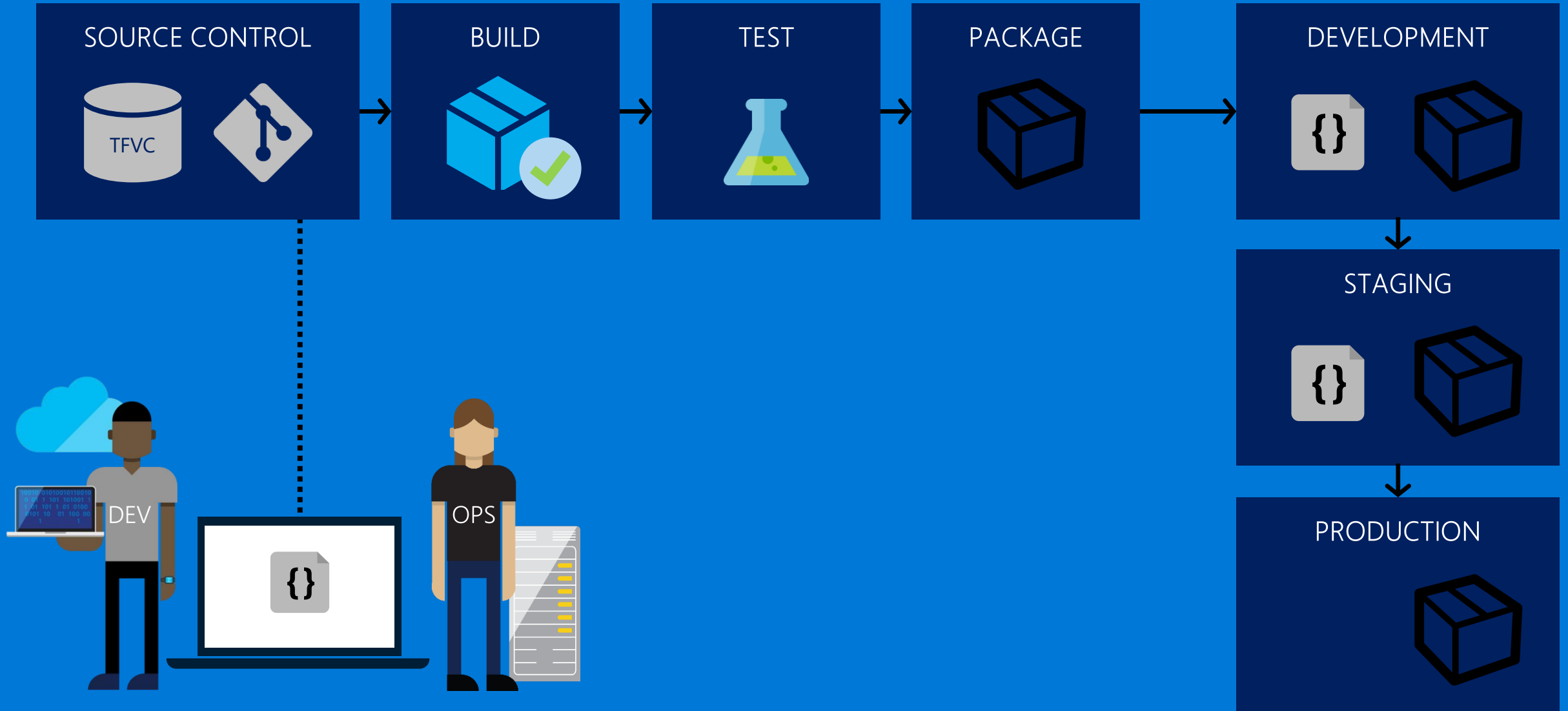


“DevOps is treating your **infrastructure as code**”

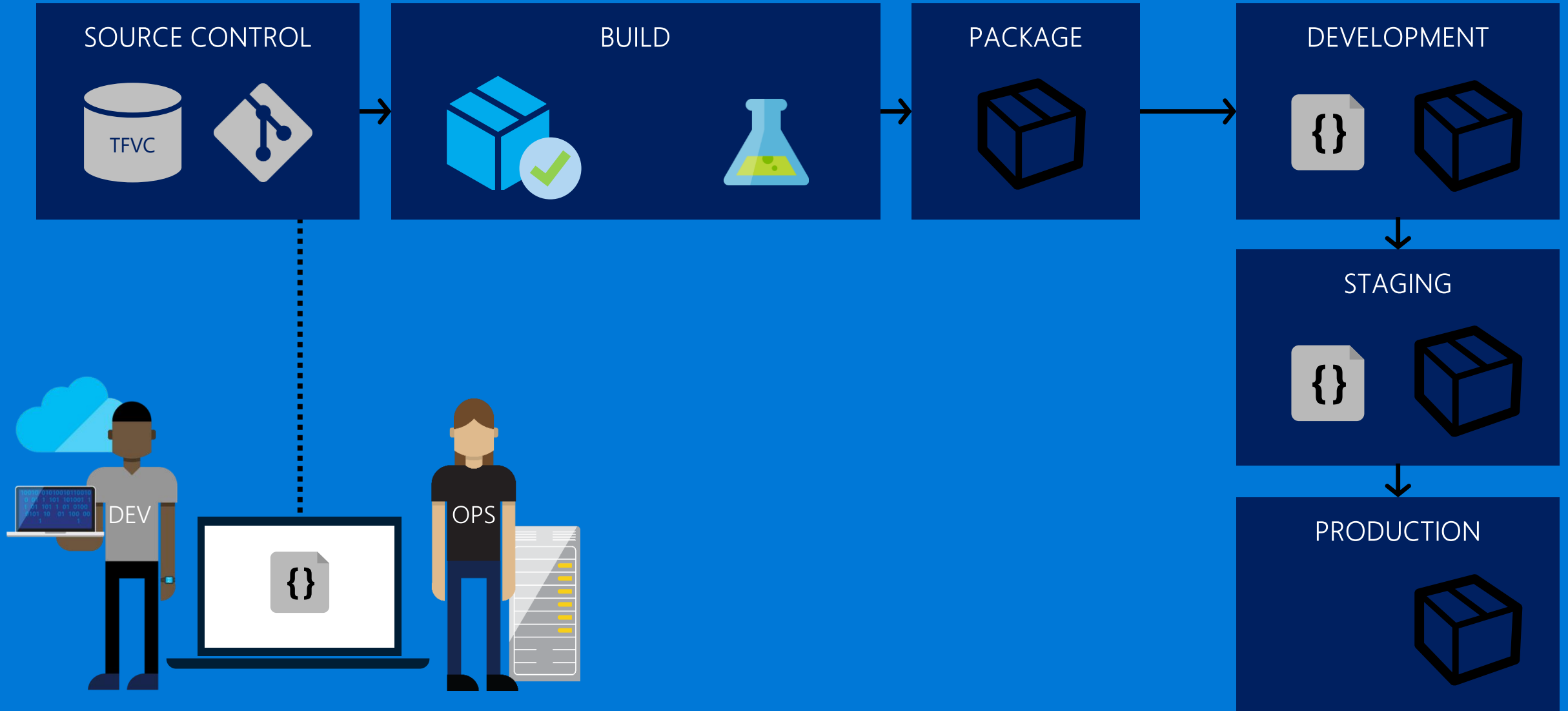
“DevOps is feature **switches**”

“**Kanban** for Ops?”

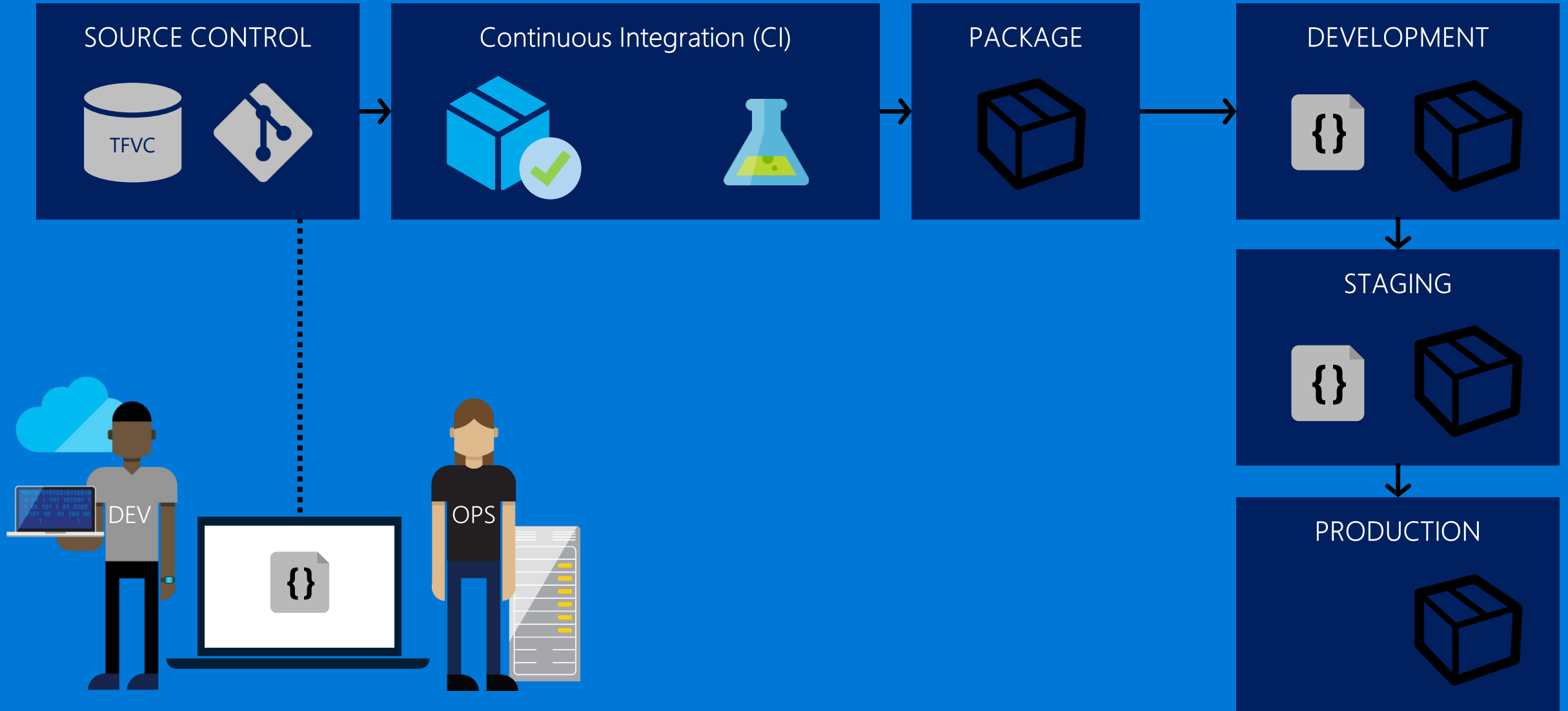
Continuous Delivery



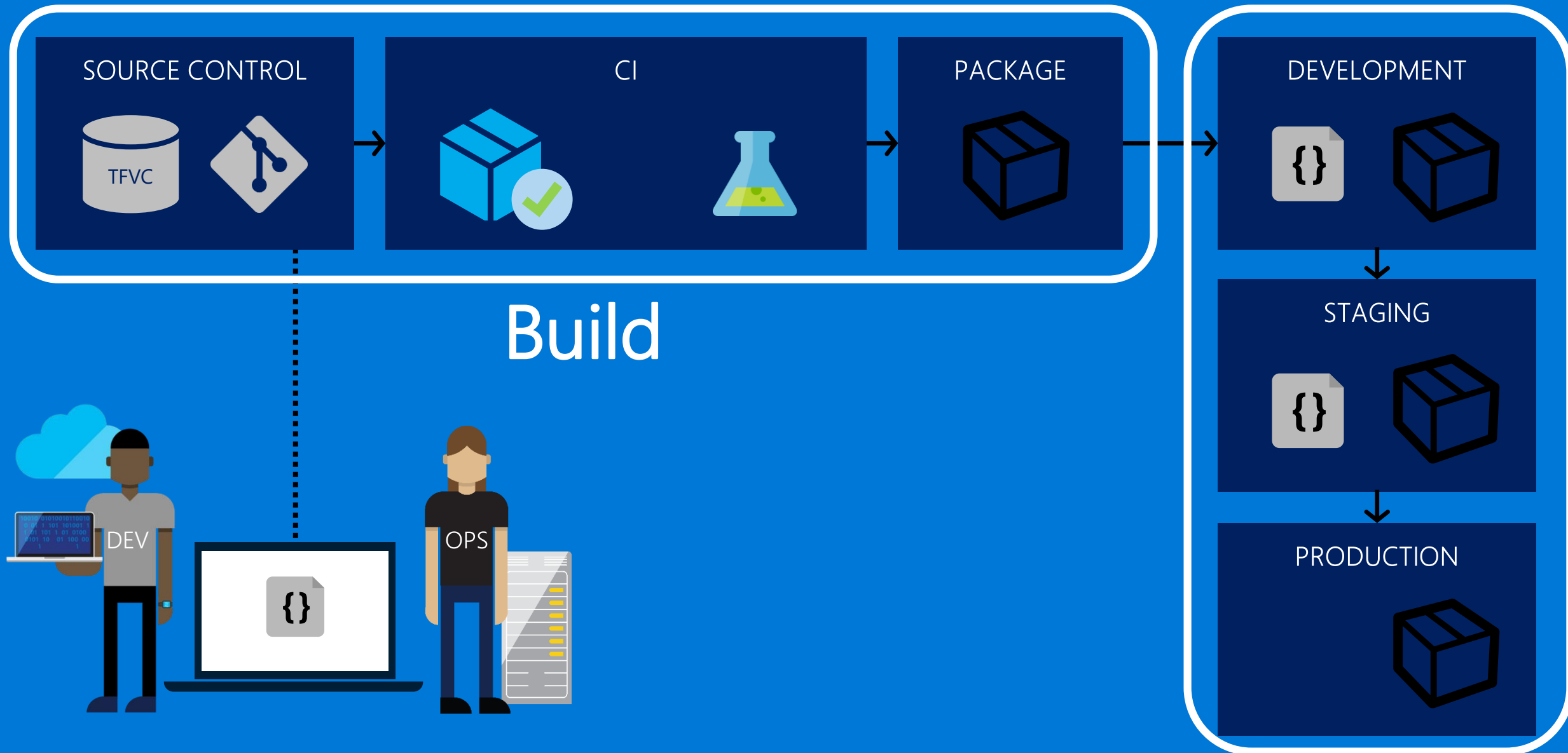
Continuous Delivery



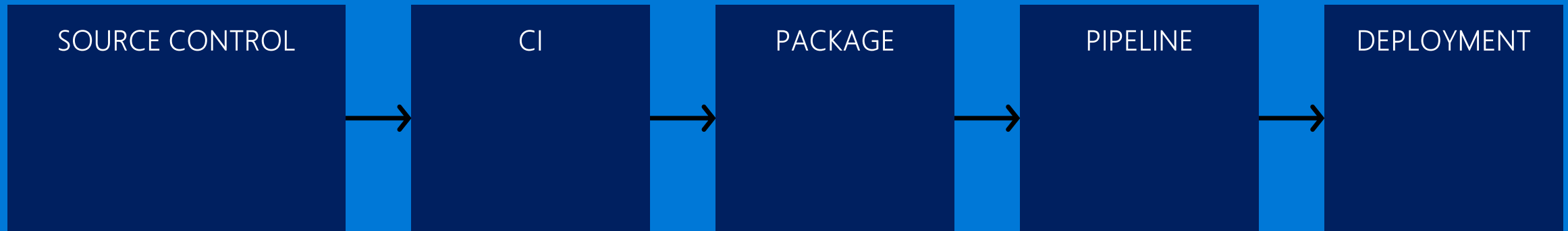
Continuous Delivery



Continuous Delivery



Continuous Delivery

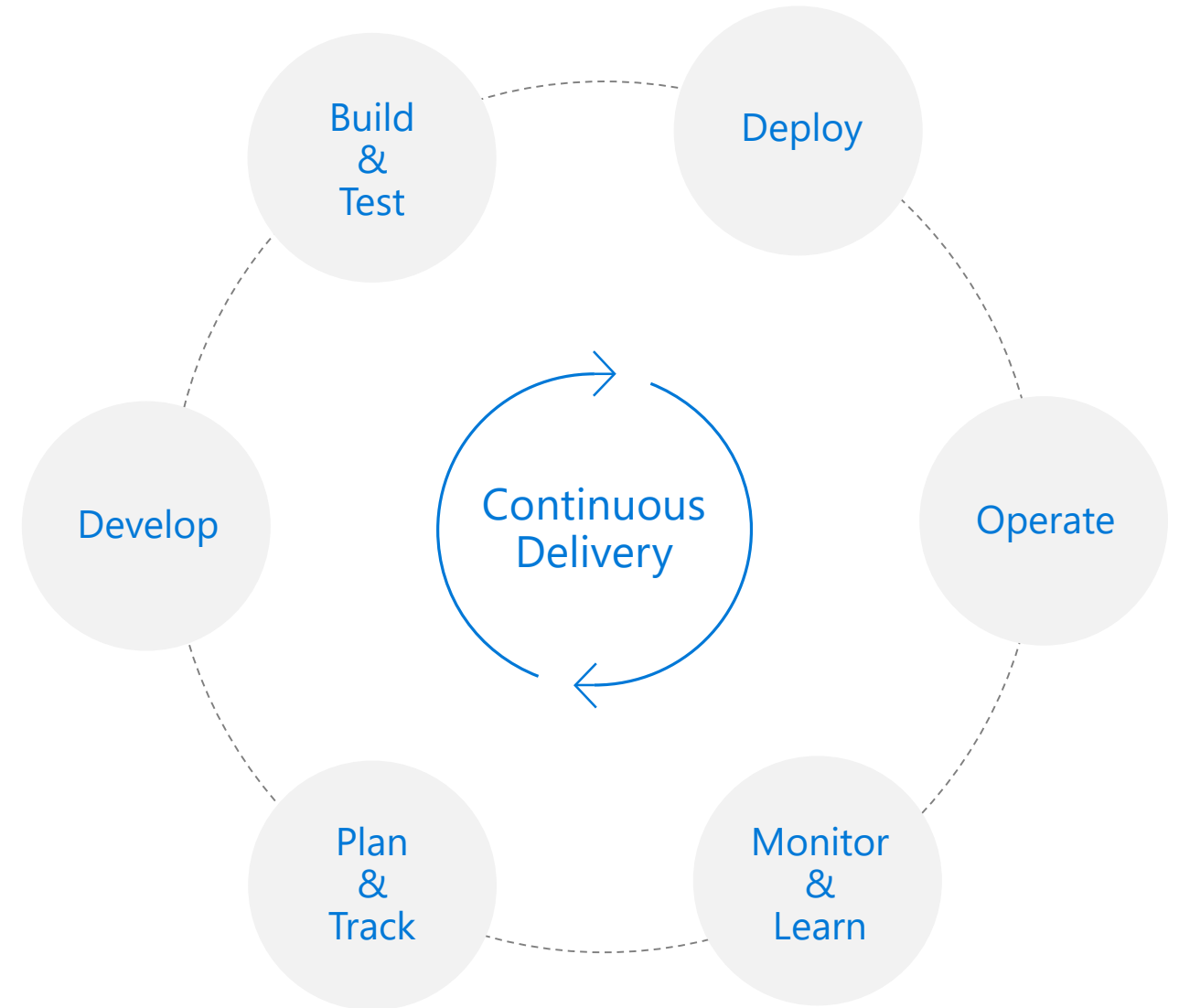


What is DevOps?

People. Process. Products.



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



The Enterprise Collaboration Solution



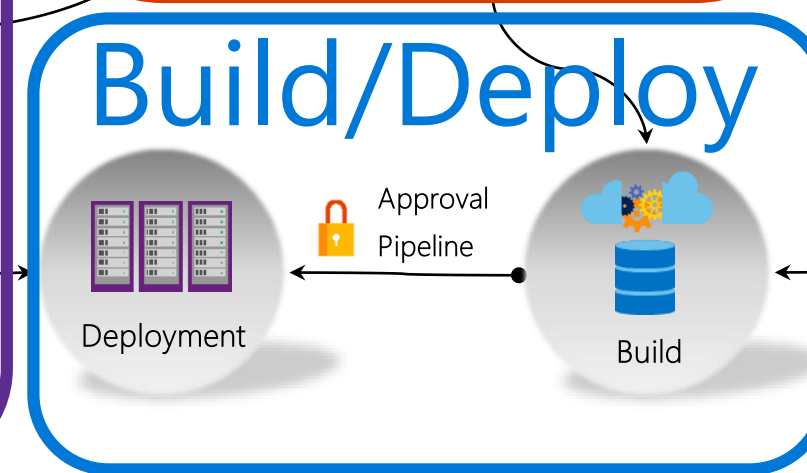
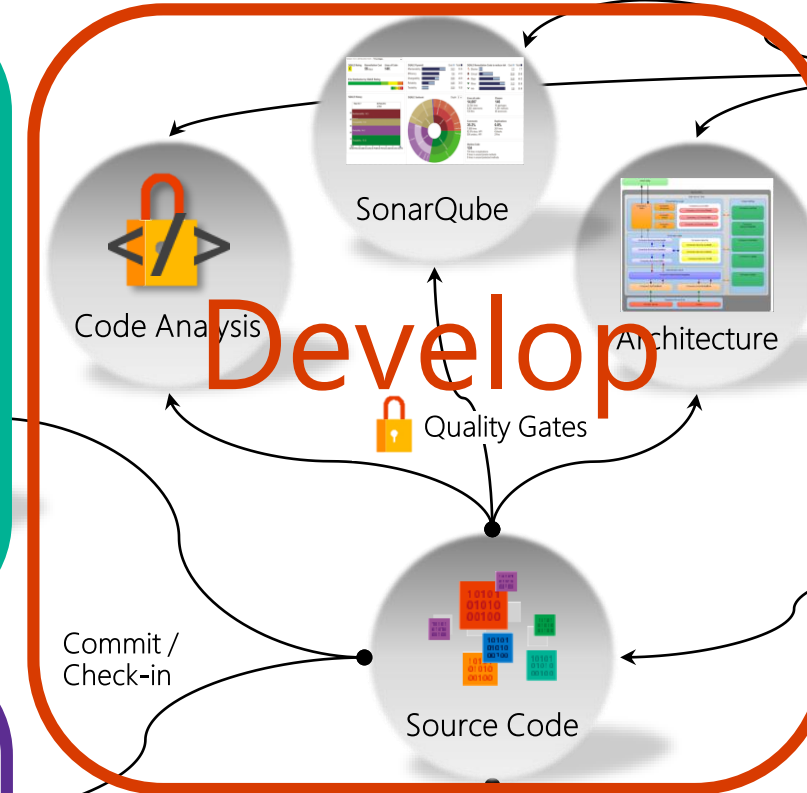
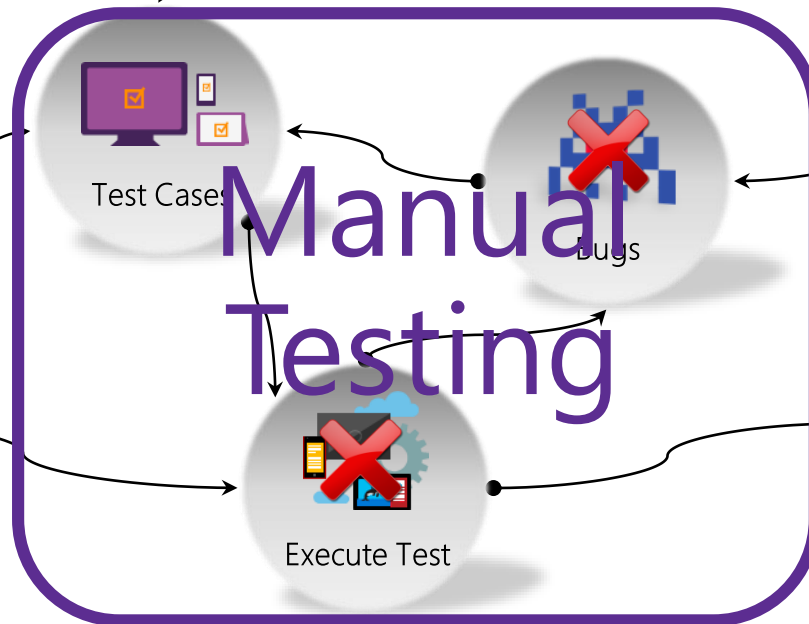
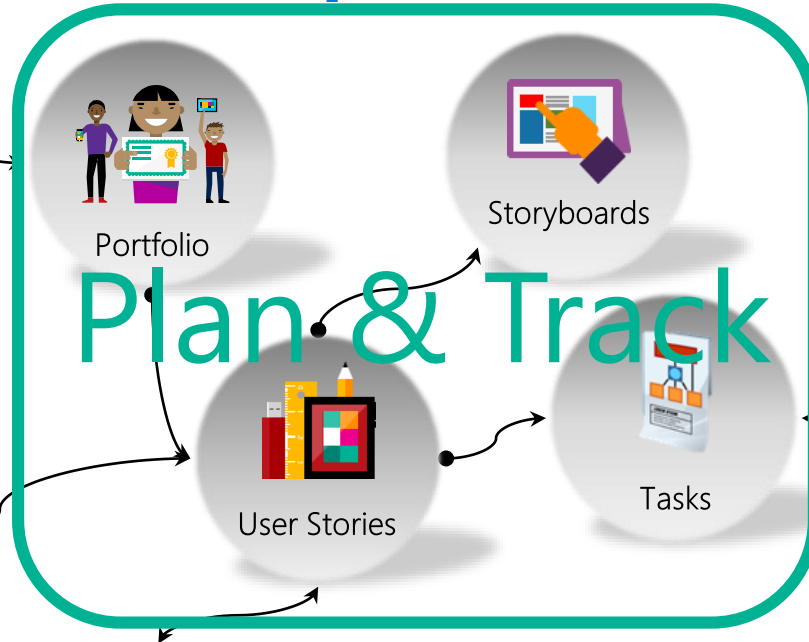
Project Manager



Business Analyst /
Product Owner



Quality Analyst



Project Lead



Developer



DevOps

The Enterprise Collaboration Solution



Project Manager



Business Analyst /
Product Owner



Quality Analyst

Plan & Track



Develop



Project Lead



Developer



DevOps

Manual Testing



Build/Deploy



Introducing Azure DevOps



Azure Boards



Azure Pipelines



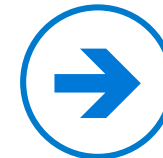
Azure Repos



Azure Test Plans



Azure Artifacts



<https://azure.com/devops>

Azure Boards



Connected from idea to release



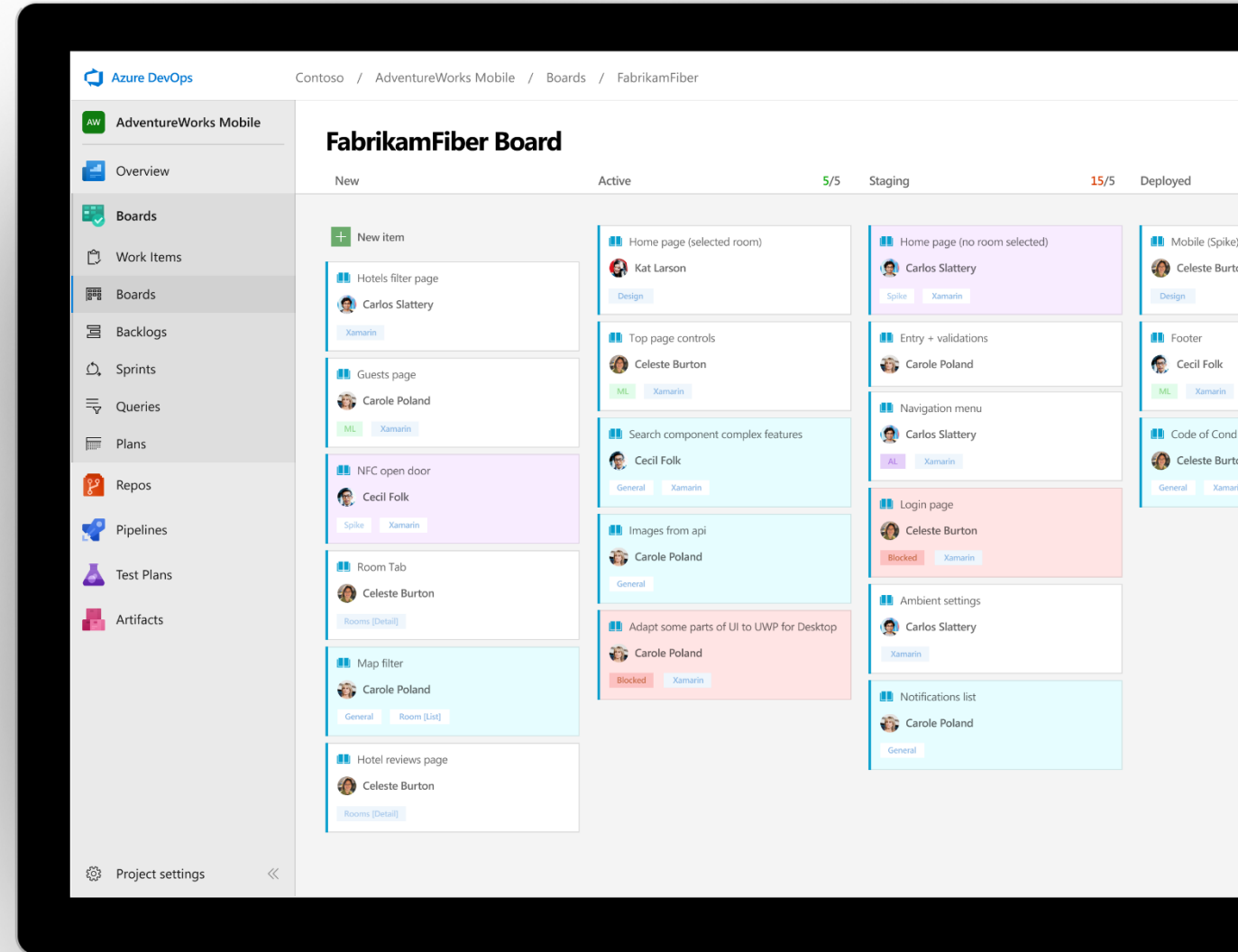
Scrum ready



Project insights



<https://azure.com/devops>



Azure Pipelines



Any language, any platform, any cloud



Extensible



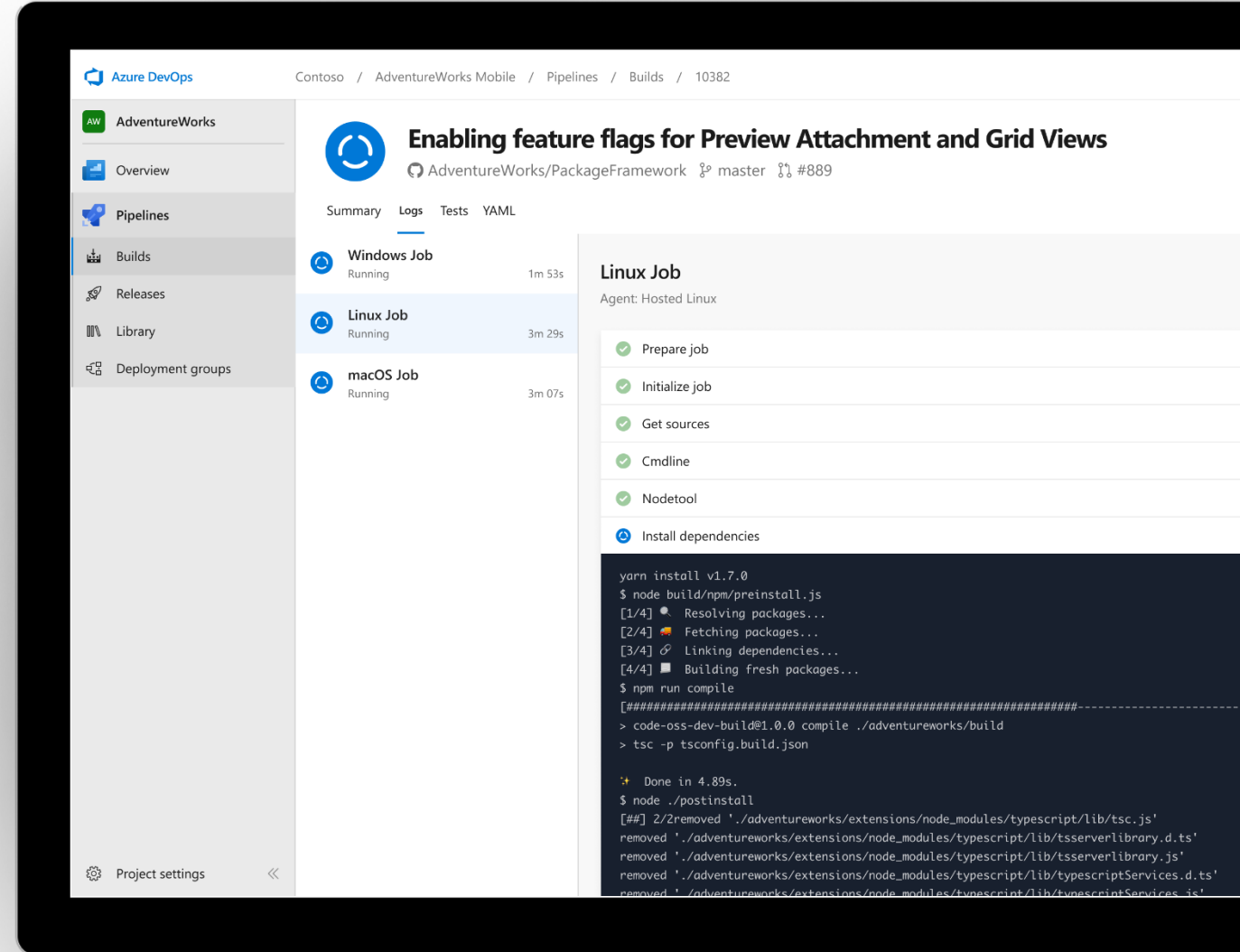
Containers and Kubernetes



Best-in-class for open source



<https://azure.com/pipelines>



Azure Repos



Works with your Git client



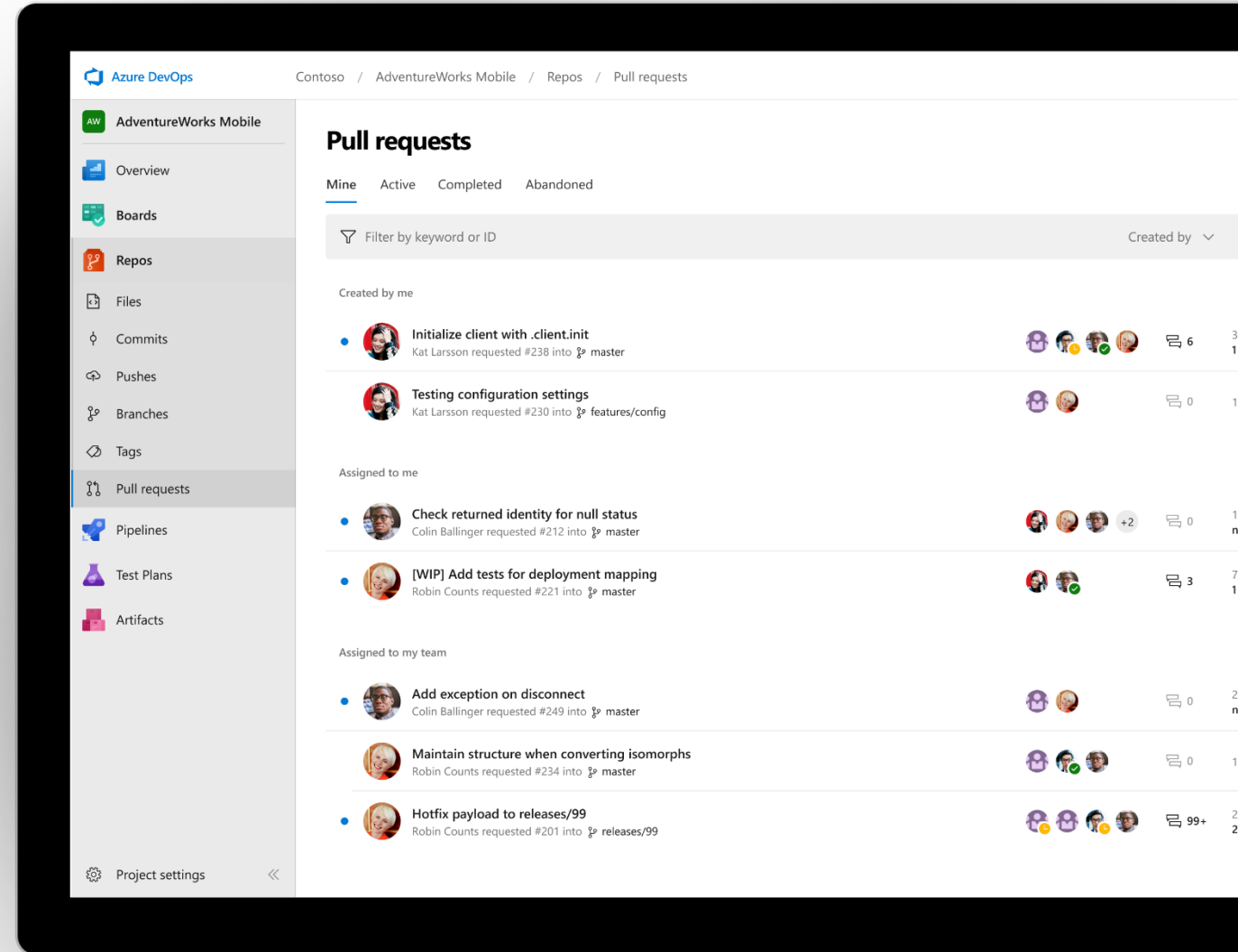
Web hooks and API integration



Semantic code search



<https://azure.com/devops>



Azure Test Plans



Capture rich data



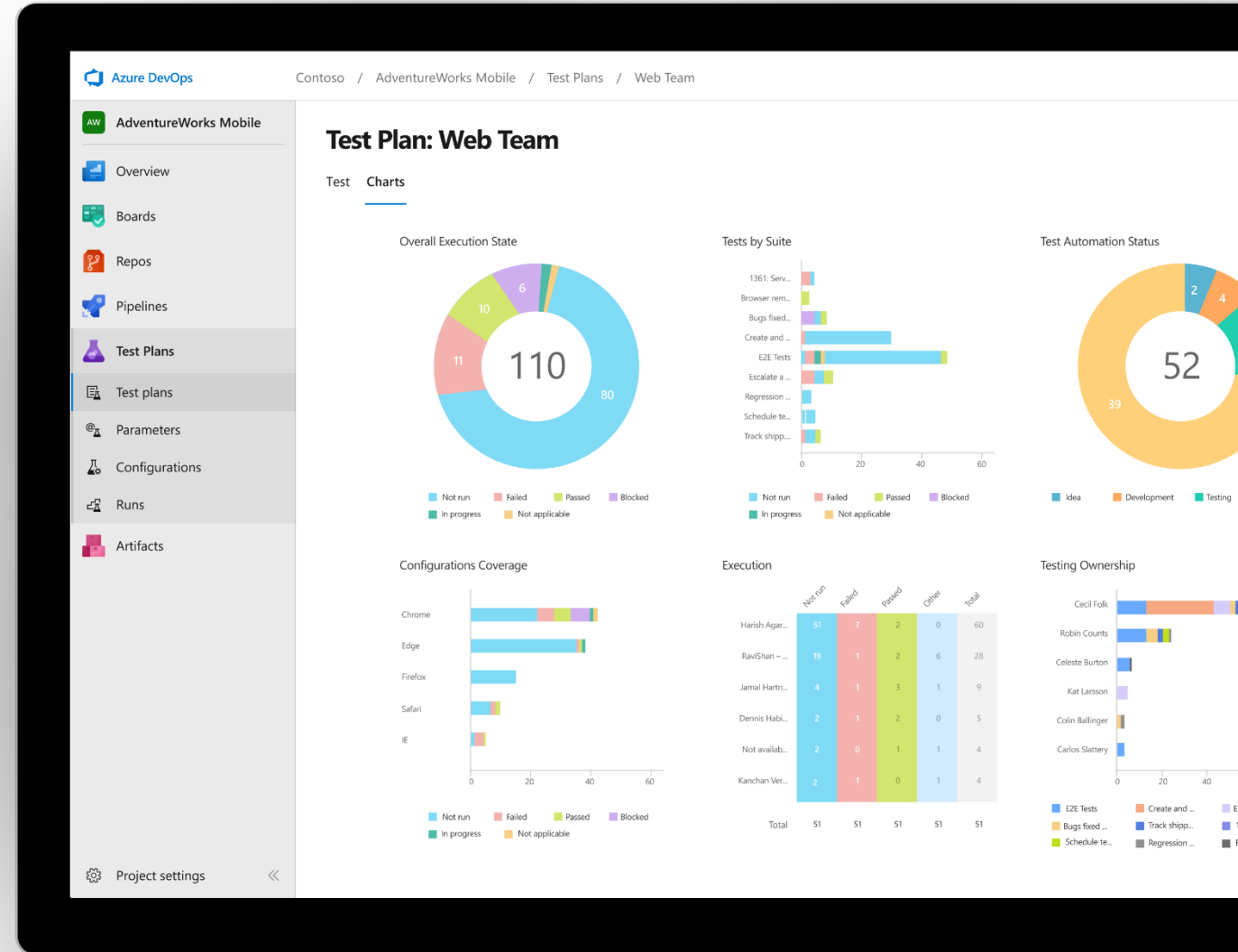
Test across web and desktop



Get end-to-end traceability



<https://azure.com/devops>



Azure Artifacts



Manage all package types



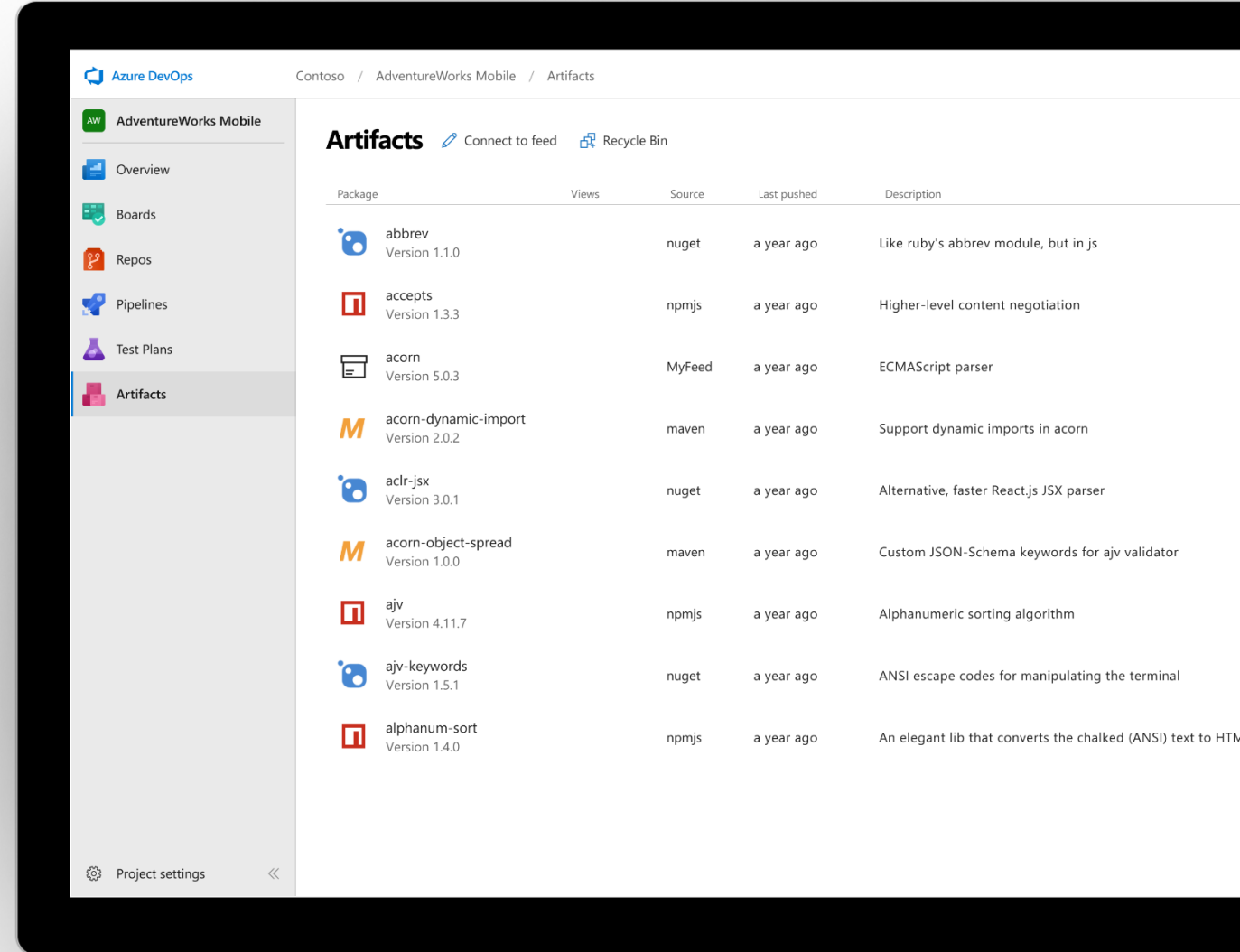
Add packages to any pipeline



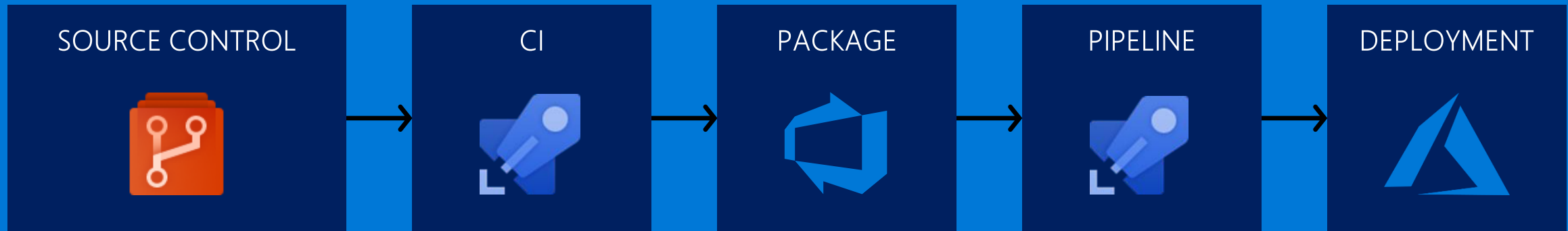
Share code efficiently



<https://azure.com/devops>

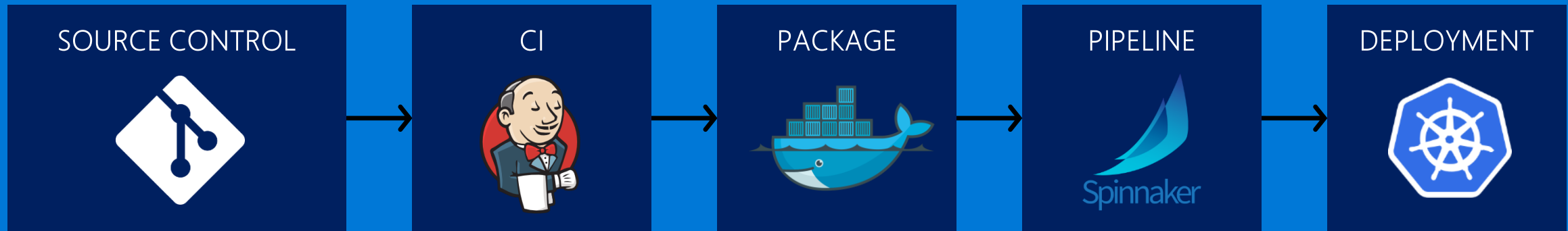


Continuous Delivery



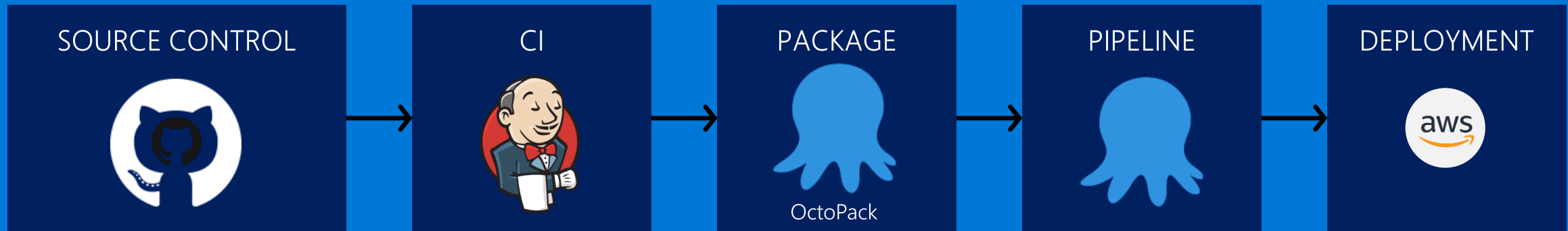
Azure DevOps and Azure

Continuous Delivery



Azure Container Registry to Azure Container Service with Kubernetes

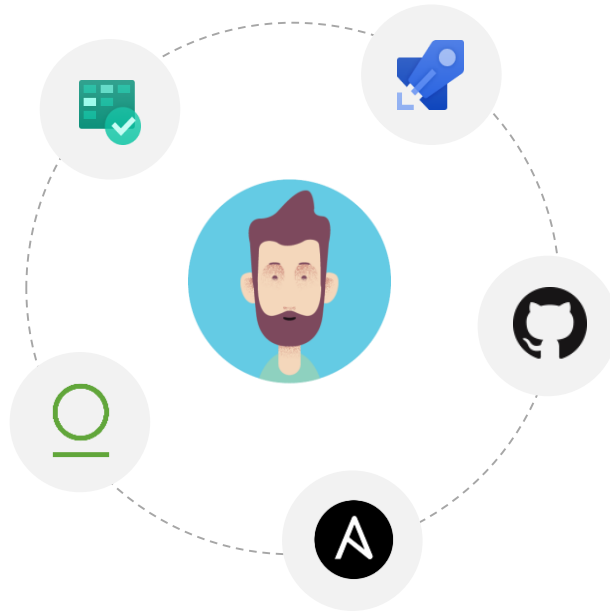
Continuous Delivery



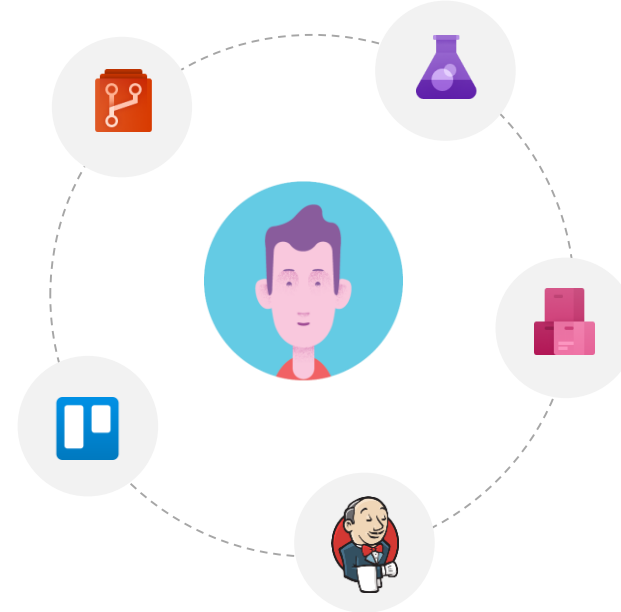
Octopus Deploy ASP.NET Web App

Azure DevOps: Choose the tools and clouds you love

Azure DevOps lets developers choose the tools that are right for them



Mix and match to create workflows with tools from Microsoft, open source or your favorite 3rd party tools



Target any cloud, on-prem or both and deploy to the servers you need



Get 3rd Party Extensions in the Azure DevOps Marketplace

The screenshot shows the Azure DevOps Marketplace interface. At the top, there's a navigation bar with tabs for Visual Studio, Visual Studio Code, Azure DevOps (selected), and Subscriptions. A search bar contains the text 'AWS ibm'. Below the search bar, it says '14 Results'. There are filters for 'Showing: All categories', 'Hosted On: Any', 'Price: Any', 'Certification: Any', 'Visibility: All', and 'Sort By: Relevance'. The results are displayed in a grid of 12 cards, each representing an extension. Each card includes a logo, the extension name, the publisher, a brief description, a star rating, and the price (FREE or PAID).

Extension Name	Publisher	Description	Rating	Price
AWS S3 Upload	Marcus Felling	Build task to upload a file to S3 bucket in AWS.	★★★★★	FREE
IBM WebSphere Appli	Microsoft		★★★★★	FREE
AWS Tools for Micros	Amazon Web Servic	Tasks for Amazon S3, AWS Elastic Beanstalk, AWS CodeDeploy, AWS Lambda...	★★★★★	FREE
AWS Beanstalk Deplo	SPIRIT 21	Tools for releasing deployments to an elastic beanstalk on AWS.	★★★★★	FREE
Setup AWS IAM Auth	enkelwill	Tools for authentication in AWS EKS Cluster.	★★★★★	FREE
IBM Integration Bus	Microsoft	Manage and Deploy to IBM Integration Bus	★★★★★	FREE
IBM UrbanCode Depl	Microsoft	Upload build artifacts to IBM UrbanCode Deploy	★★★★★	FREE
Tasktop Integration H	Tasktop	Connect Microsoft TFS and Visual Studio Team Services to Jira, Micro Focus ALM and...	★★★★★	PAID
Terraform	Peter Groenewegen	Build extension that enable you to run Terraforms on the build agent.	★★★★★	FREE
VSTS Terraform	James Sheridan	Build extension that enables you to run Terraform via a build agent.	★★★★★	FREE
Tasktop Integration H	Tasktop	Connect Atlassian Jira to Microsoft TFS and VSTS.	★★★★★	PAID
AgileCraft	AgileCraft	AgileCraft for Microsoft Team Foundation Server and Microsoft Visual Studio Tea...	★★★★★	FREE



<https://marketplace.visualstudio.com/azuredevops>

Free to use

Open Source Projects

Free

Unlimited users and build time

- **Azure Pipelines:** 10 parallel jobs with unlimited minutes for CI/CD
- **Azure Boards:** Work item tracking and Kanban boards
- **Azure Repos:** Unlimited public Git repos

Small Teams

Free

Start free with up to 5 users

- **Azure Pipelines:** Run 1 Microsoft-hosted job for 1,800 minutes per month and 1 self-hosted job for any amount of time
- **Azure Boards:** Work item tracking and Kanban boards
- **Azure Repos:** Unlimited public Git repos
- **Azure Artifacts:** package management
- Unlimited stakeholders



Demo

Azure DevOps

Questions?



<http://aka.ms/javacode>



Thank You

ευχαριστώ Salamat Po متشكراً شكراً Grazie
благодаря ありがとうございます Kiitos Teşekkürler 谢谢
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多謝晒 Ďakujem תודה நன்றி Děkuji 감사합니다