

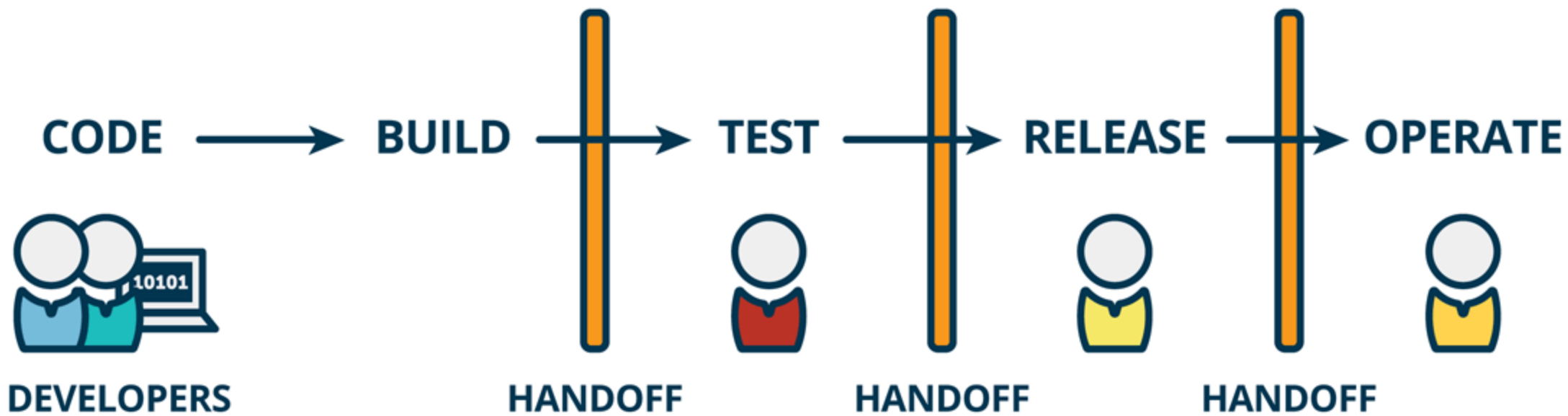
Azure DevOps

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Microsoft Certified UWP and C#
Developer

@doniyorniazov



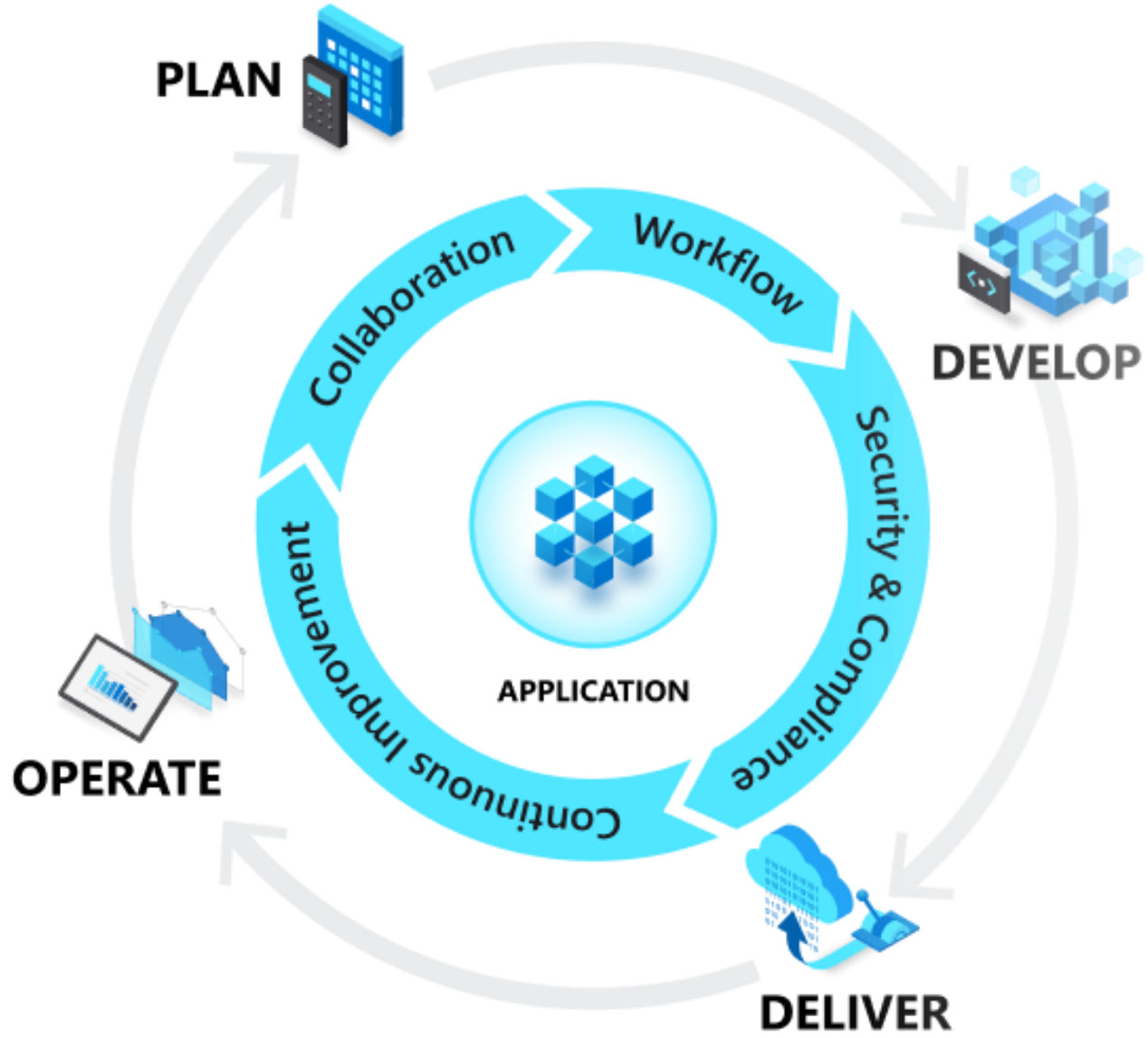


- * Cloud – Технологияҳои абрӣ
- * Release – Нашр
- * Operate – Амалиёт
- * Lifecycle – Сикли ҳаёти

What is DevOps

DevOps = Development and Operations

“DevOps is the union of **people**, **process**, and **technology** to continually provide value to customers.”



* Development – Коркард
* Deliver – Расондан



■ Plan

- **Define and Describe Features & Capabilities**
- **Create Backlogs and Tracking Bugs**
- **Managing Agile development with Scrum**
- **Visualize Progress with Dashboards**

Develop

- **Coding**
- **Unit Testing**
- **Reviewing**
- **Version Control - Git**



Deliver

- **Deploying the app**
- **Release management**
- **Approval Stages**

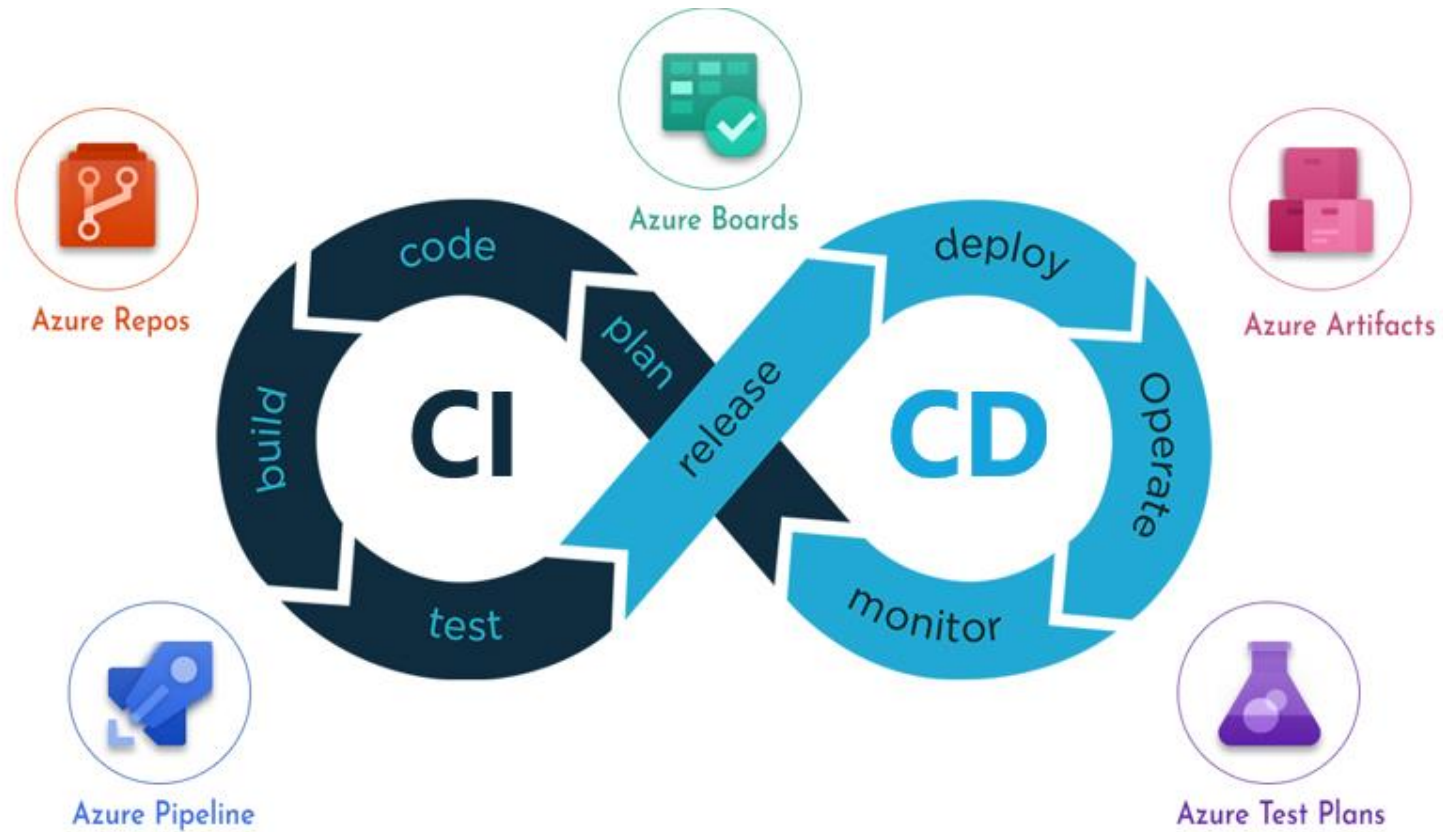


Operate

- **Maintaining**
- **Monitoring**
- **Troubleshooting**
- **Zero downtime**



Azure DevOps





Azure Boards

The screenshot displays a Kanban board with three columns: **New**, **Active**, and **Resolved**. Each column contains several task cards, each with a title, an assignee's name and profile picture, and a status label.

- New Column:**
 - New item:** Assignee: Emma Smith, Status: React
 - Hotels filter page:** Assignee: Emma Smith, Status: React
 - Guests page:** Assignee: Edward Johnson, Status: ML, React
 - NFC open door:** Assignee: Olivia Williams, Status: Spike, React
 - Room Tab:** Assignee: Martin Jones, Status: Rooms [Detail]
- Active Column:**
 - Home page (selected room):** Assignee: Dan Miller, Status: Design
 - Top page controls:** Assignee: Isabella Davis, Status: ML, React
 - Search component complex features:** Assignee: Loui Garcia, Status: General, React
 - Images from api:** Assignee: Sophia Rodriguez, Status: Blocked
- Resolved Column:**
 - Home page (no room selected):** Assignee: Doug Wilson, Status: Spike, React
 - Entry + validations:** Assignee: Charlotte Martinez
 - Navigation menu:** Assignee: Doug Anderson, Status: AL, React
 - Login page:** Assignee: Mia Taylor, Status: AL

Azure Boards



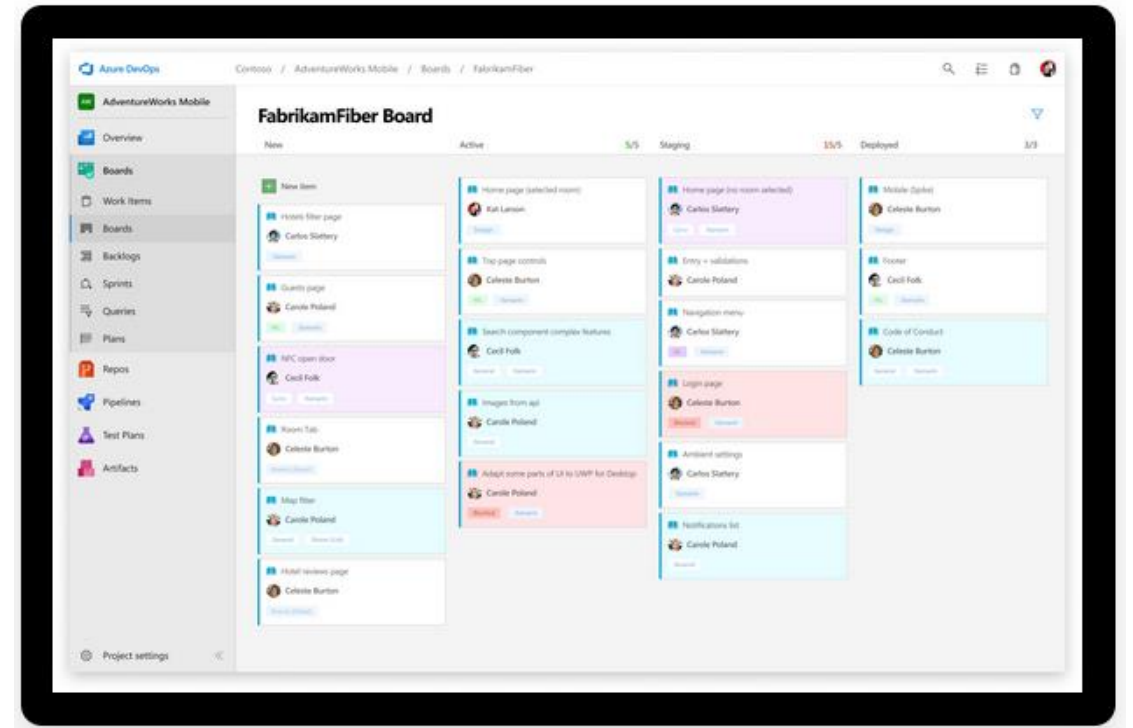
Connected from idea to release



Scrum ready



Project insights





Azure Repos

```
251 export interface SaveInfoBannerProps {
252     saveInfo: SaveInfo;
253     versionSpec: VersionSpec;
254     interface CommitLinkProps {
255         url: string;
256         text: string;
257         tooltip: string;
258         prefixMessage: string;
259     }
260 }
```

```
251 export interface SaveInfoBannerProps {
252     saveInfo: SaveInfo;
253     versionSpec: VersionSpec;
254     interface CommitLinkProps {
255         url: string;
256         + targetHubId: string;
257         text: string;
258         tooltip: string;
259         prefixMessage: string;
260     }
261 }
```



Liam Parker

@Chloe Clark `const CommitLink = ({ prefixMessage, url, tooltip, text }:`

Chloe Clark

Can we try what we did in [User Story 567435](#)



Liam Parker

Yeah, that would be a better pattern, I'll make the change in my next update

♥ 1

Chloe Clark

Awesome!





Repository - contains a collection of files of various different versions of a Project.

Azure Repos



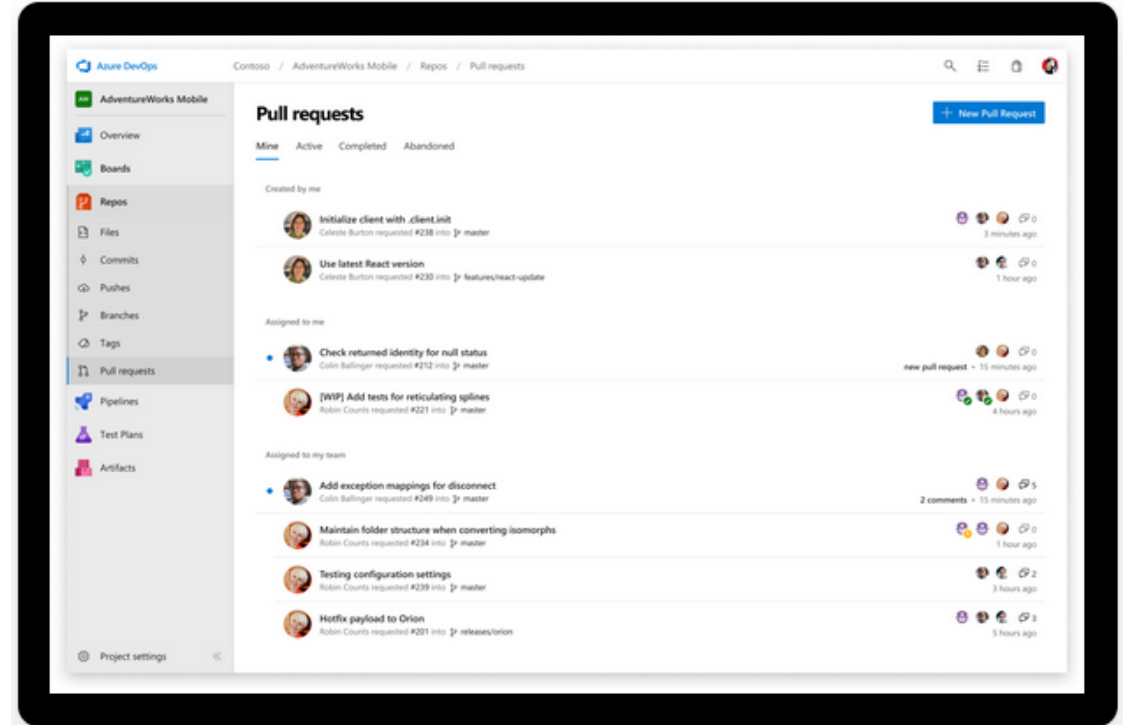
Works with your Git client



Web hooks and API integration



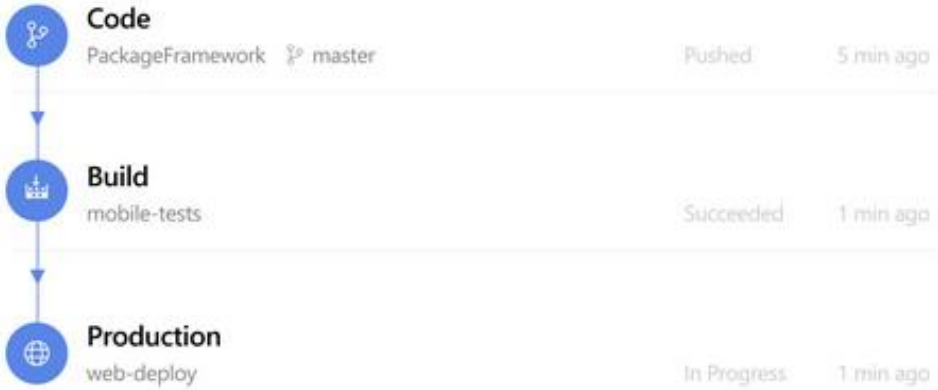
Semantic code search



Repository

```
1 import React from 'react';  
2 import ReactDOM from 'react-dom';  
3 import App from './App';
```

CI/CD pipeline



Azure resources

<http://fabrkiamfiber.azurewebsites.net>

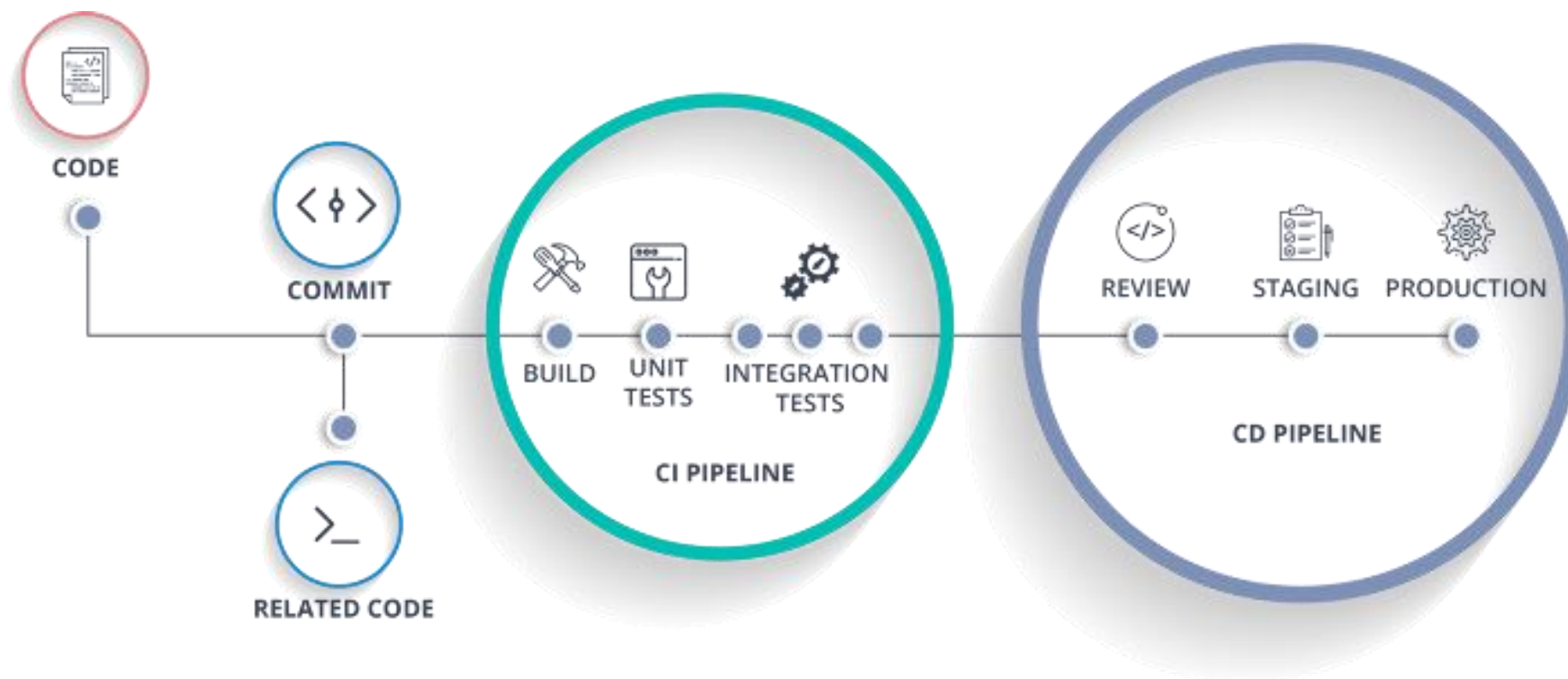


Azure Pipelines



Pipeline

CI/CD



Azure Pipelines



Any language, any platform



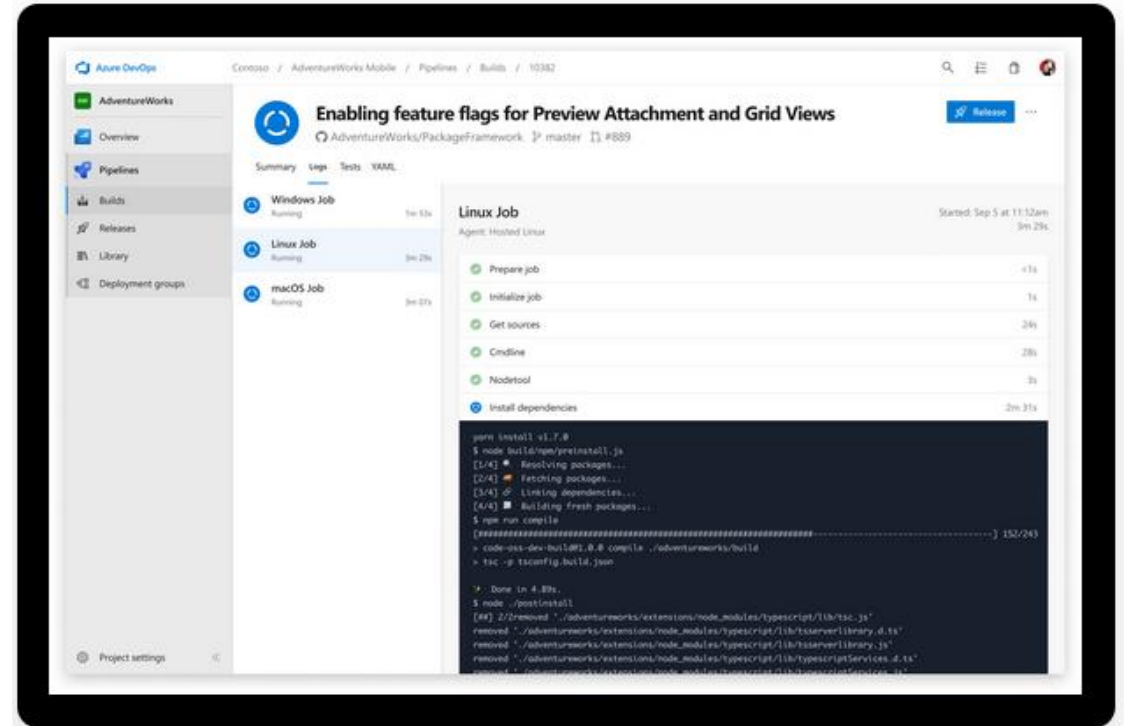
Extensible



Containers and Kubernetes



Best-in-class for open source





1 In any browser navigate to homepage and log in



2 Navigate to a product and add it to cart



3 Check if cart is populated with Item



This results in a 404 once you try to navigate to the shopping cart



Azure Test Plans

Azure Artifacts



AdventureWorks.Framework

Version 1.1.0



adv-lib

Version 1.3.3



adworks-build-tools

Version 5.0.3



com.adworks.app

Version 2.0.2



adventure-classifier-model

Version 2.2

* Private - Хусусӣ

* Public - Оммавӣ

* Package - Пакет

Extensions Marketplace

Access 1,000+ extensions or create your own.



Timetracker



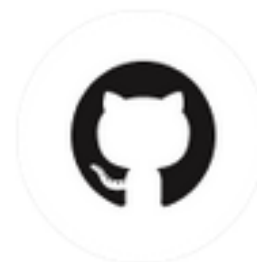
Docker
Integration



Slack
Integration



Sentry



GitHub
Integration

* Extension – Васеџкунии система

Thank you!

- <https://azure.microsoft.com>
- <https://docs.microsoft.com>
- <https://redhat.com>
- <https://aws.amazon.com>
- <https://atlassian.com>