

Kubernetes Development with Cloud Code and Skaffold

Title Slide Subtitle Arial Bold Italic 24pt
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**DEVOPS
WORLD**
by CloudBees

Cloud Code IDE Plugins

Cloud Code comes with tools to help you write, deploy, and debug cloud-native applications quickly and easily.



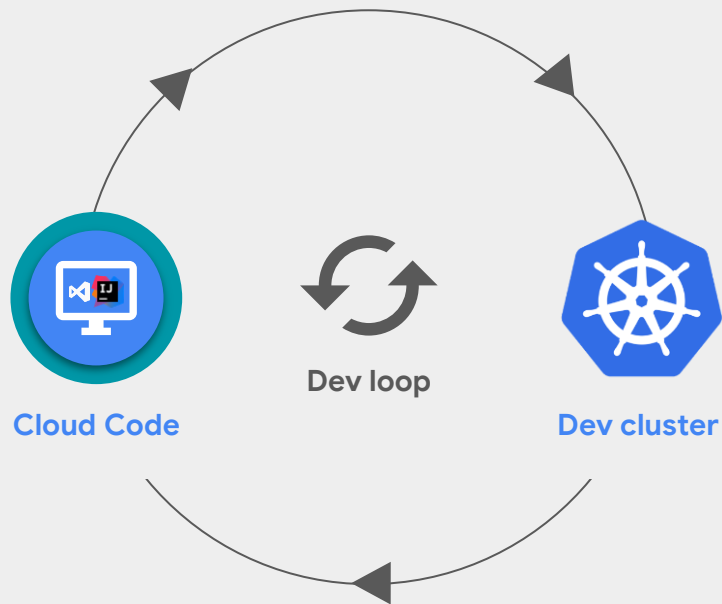
Works with VS Code and
JetBrains IDEs (IntelliJ, etc.)



Fast **inner** development loop

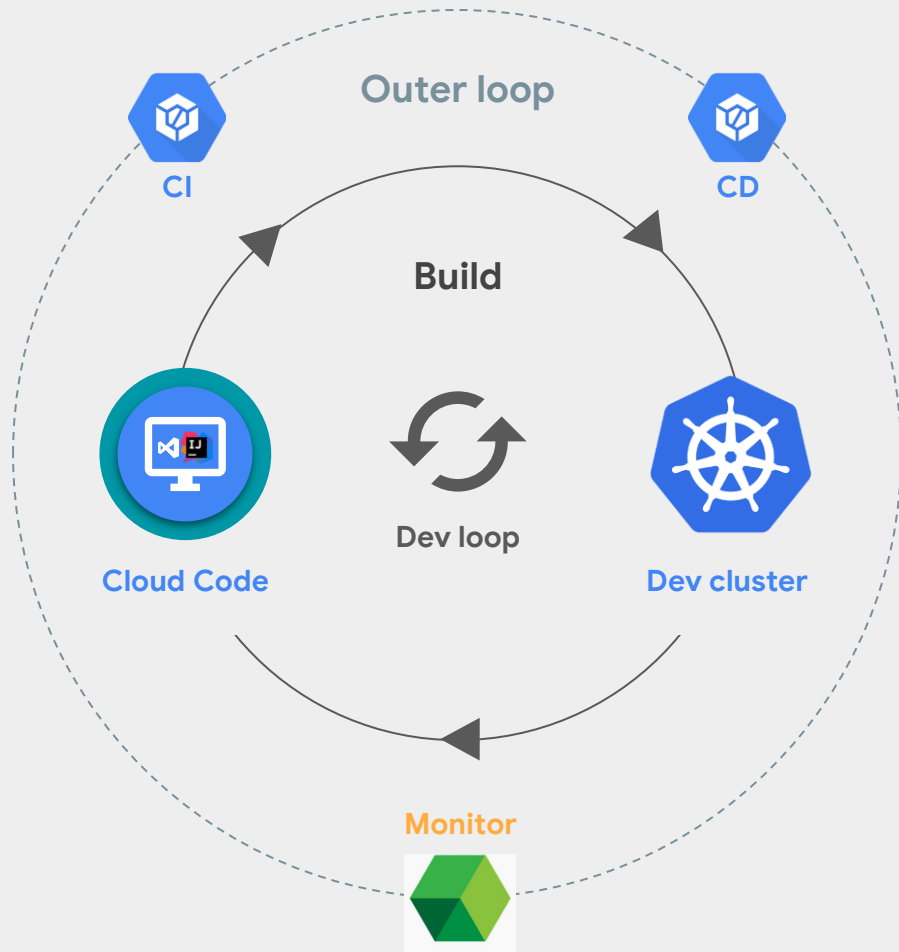
Open-source cloud-build-local binary
for running builds locally

Cloud Code Cloud Build integration for linting,
auto-complete, and local execution using
Scaffold.



Fast **remote** development loop

Run the same build pipeline locally and in the cloud



New application templates

- How can I get started with some code to try deploying?

Cloud Code: New Application

Kubernetes Explorer

- Where can I deploy my source to?

Cloud Code: Kubernetes Explorer - Deploy Target

Deploy to Kubernetes

- How do I make deploying to Kubernetes less tedious?

Cloud Code: Deploy to Kubernetes

Debug Kubernetes

- How can I deploy my source to Kubernetes so I can debug it?

Cloud Code: Authoring Assistance - Debug Kubernetes

K8s Authoring Assistance

- How do I write config to deploy a K8s app?

Cloud Code: Authoring Assistance - deployment.yaml

KCC Authoring Assistance

- How do I write config to define GCP resources?

Cloud Code: Authoring Assistance - Config Connector

- How do I write config to define cluster policy?

Cloud Code: Authoring Assistance - Anthos Config Management

Migrate for Anthos

Authoring Assistance

- How do I write config to migrate VMs to Anthos?

Cloud Code: Authoring Assistance - Migrate for Anthos

- How do I write config to define a CI/CD pipeline?

Cloud Code: Authoring Assistance - cloudbuild.yaml

Edit

Watch Loop

Runtime



IDE
Extension
S

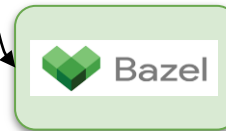
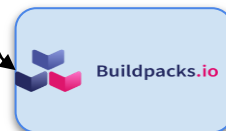


Editor
Services

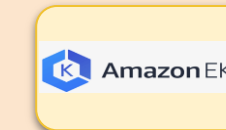
Cloud Code Components



Container
Builders



local emulator



Cloud Clusters