

“Git” a Handle on it!

A Scalable Approach to GitOps Configuration Patterns

John Dietz

Monokle Ambassador - Kubeshop

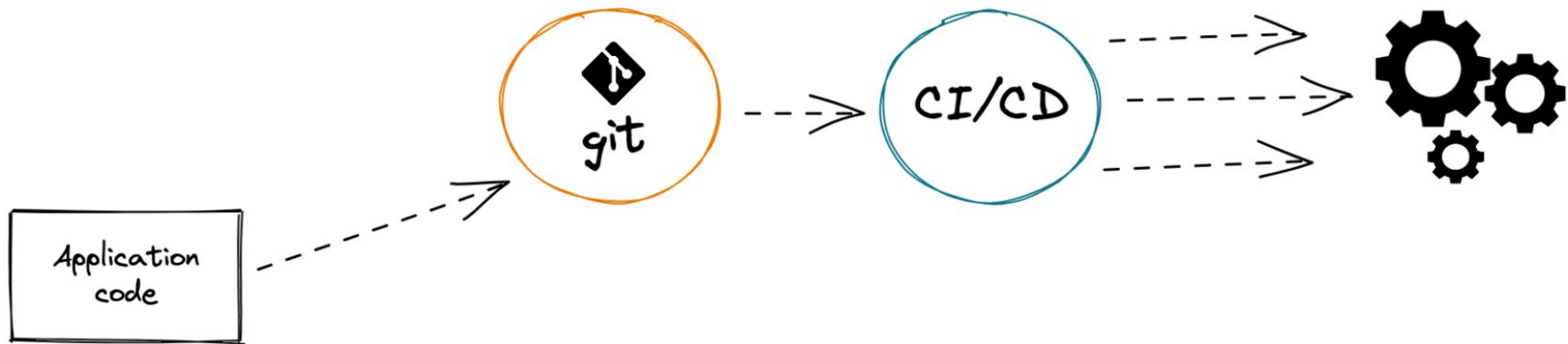


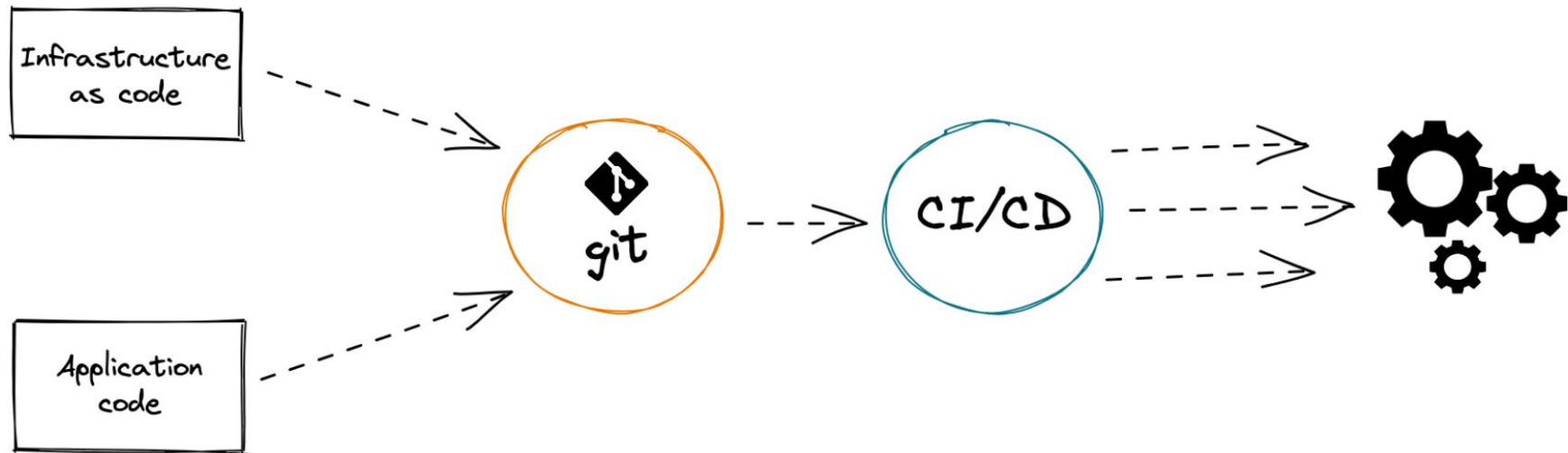
vitamindietz

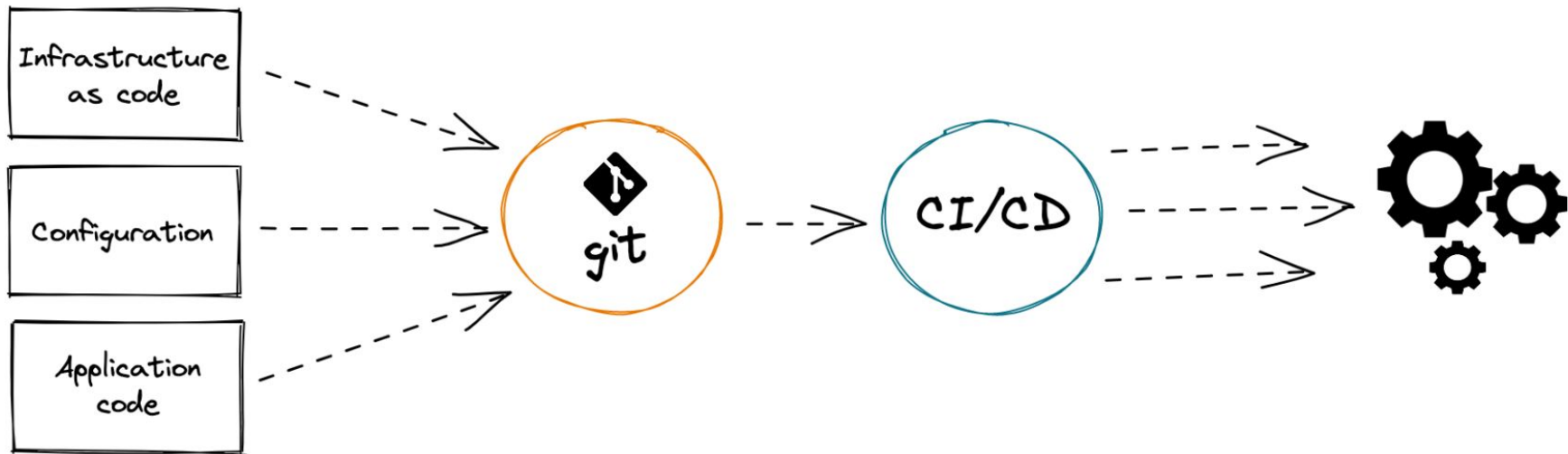
since we only have 25 minutes...

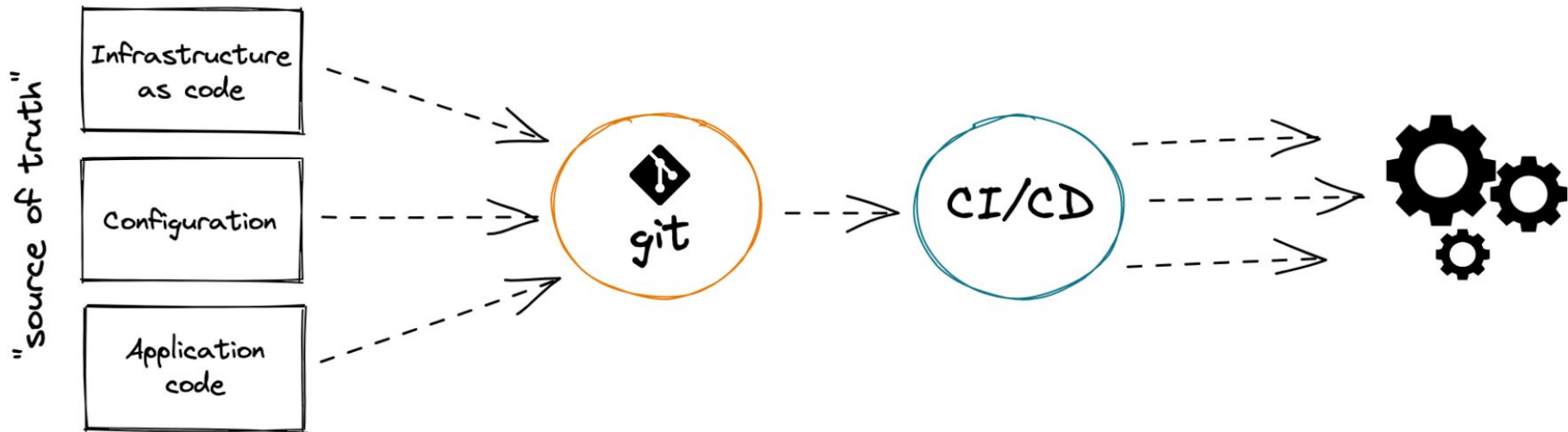


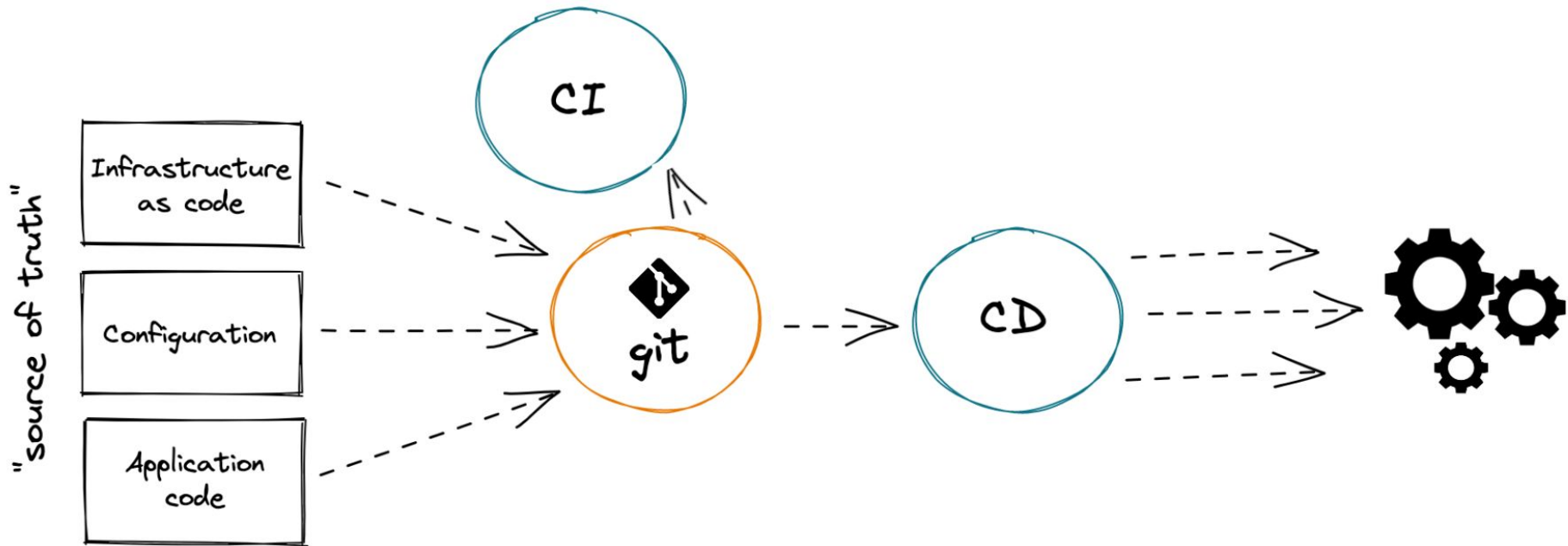
GitOps

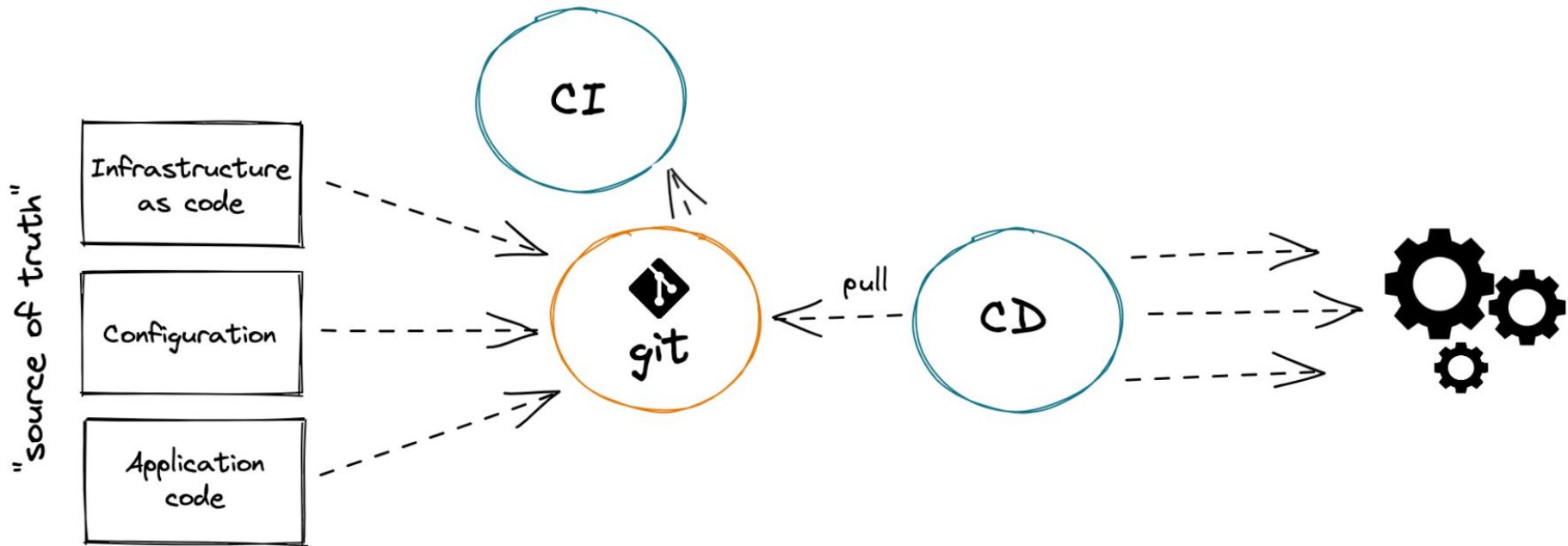


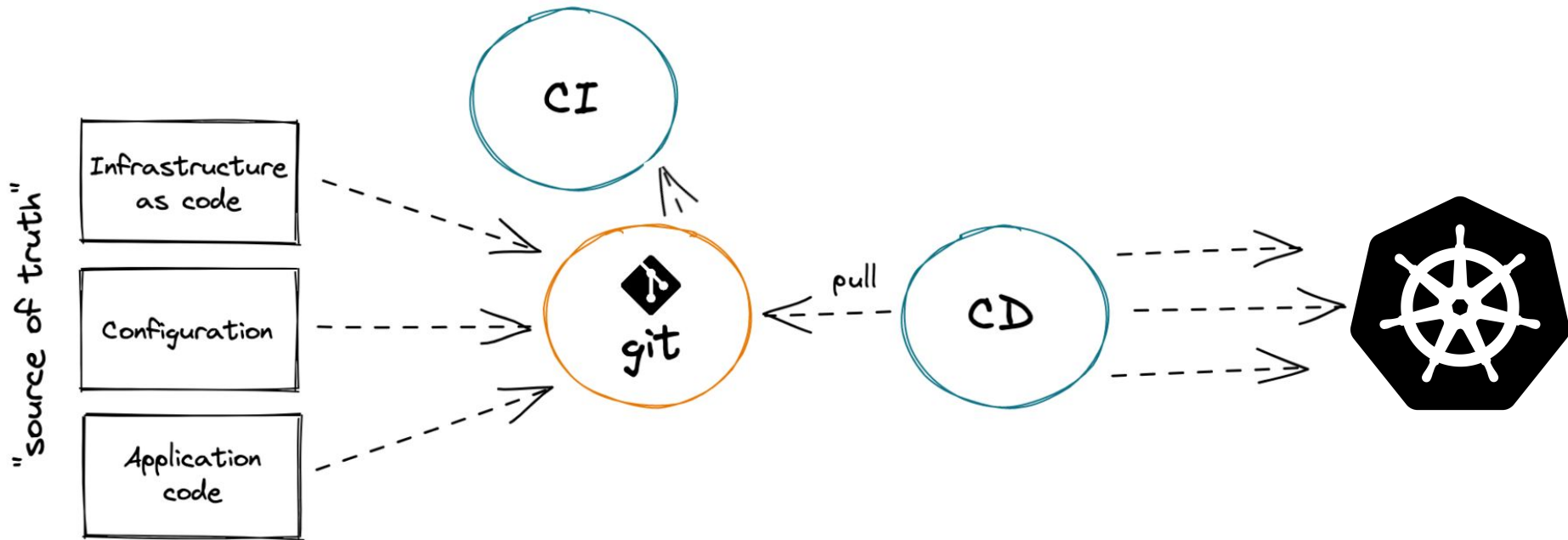




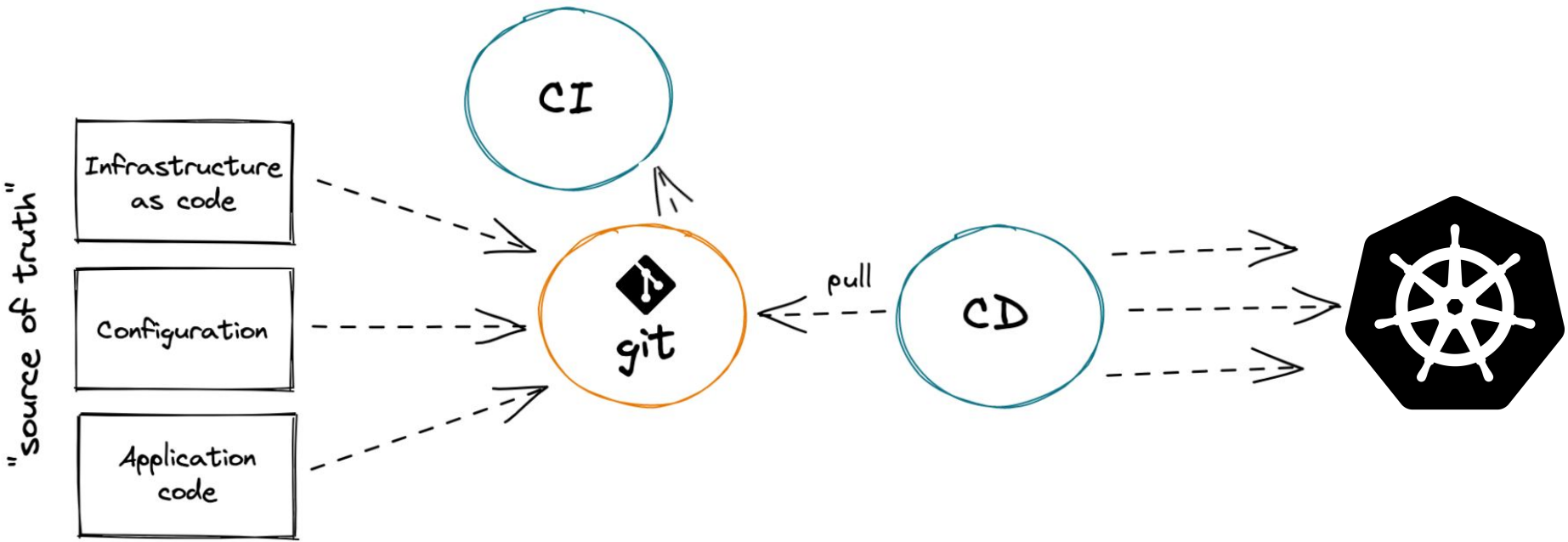




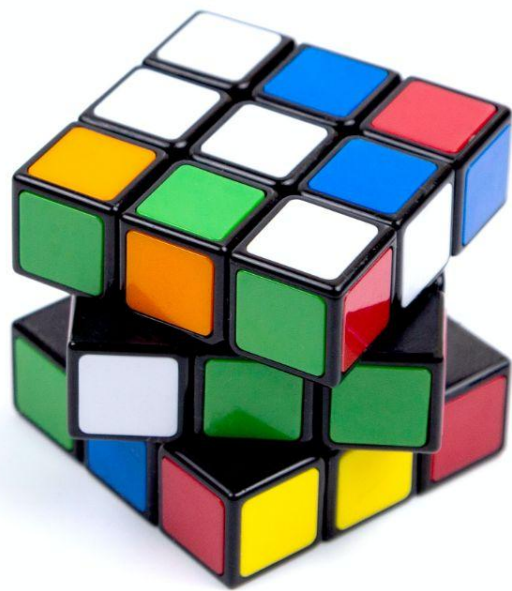




GitOps in a nutshell







GitOps Principles

v1.0.0

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v1.0.0

1 Declarative

GitOps Principles

v1.0.0

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2 Versioned and Immutable

GitOps Principles

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2 Versioned and Immutable

3 Pulled Automatically

GitOps Principles

v1.0.0

1 Declarative

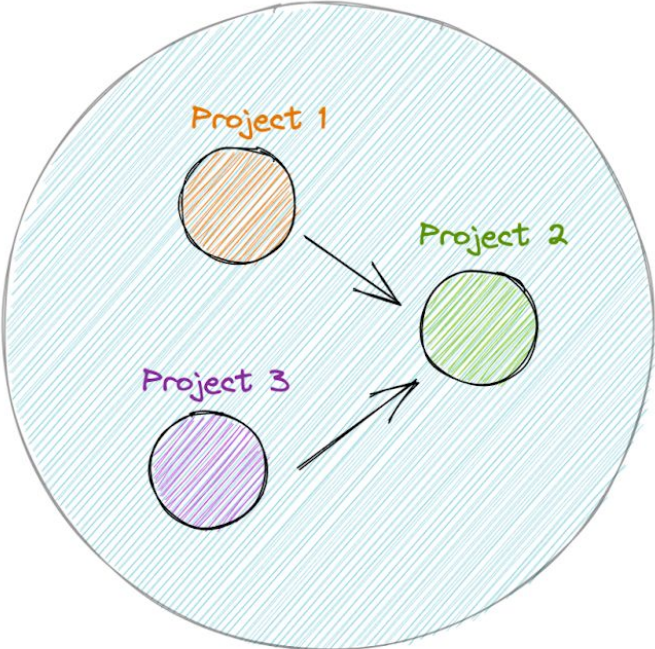
2 Versioned and Immutable

3 Pulled Automatically

4 Continuously Reconciled

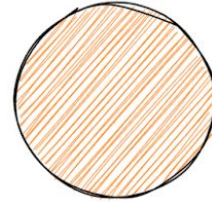
patterns

monorepo

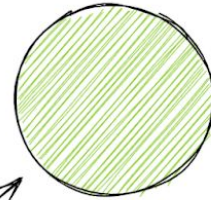


polyrepo

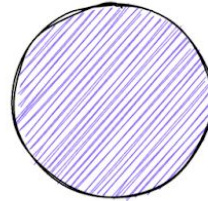
Polyrepo 1 / Project 1



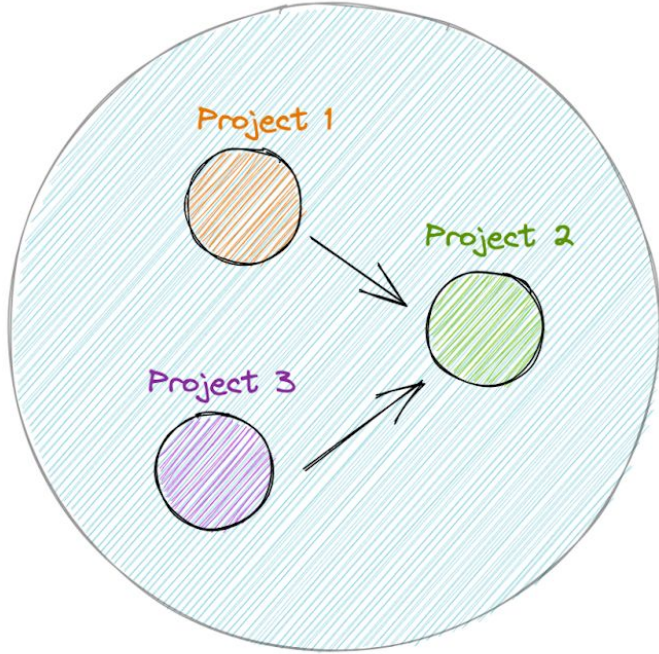
Polyrepo 2 / Project 2



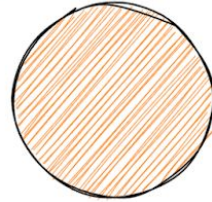
Polyrepo 3 / Project 3



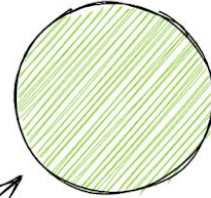
Monorepo



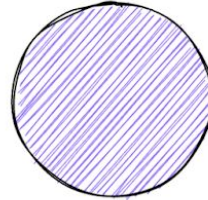
Polyrepo 1 / Project 1



Polyrepo 2 / Project 2



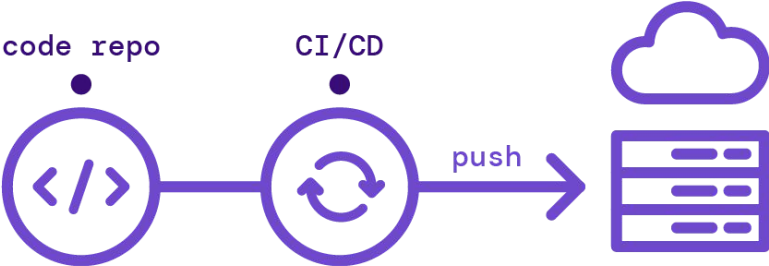
Polyrepo 3 / Project 3



repository structures demo

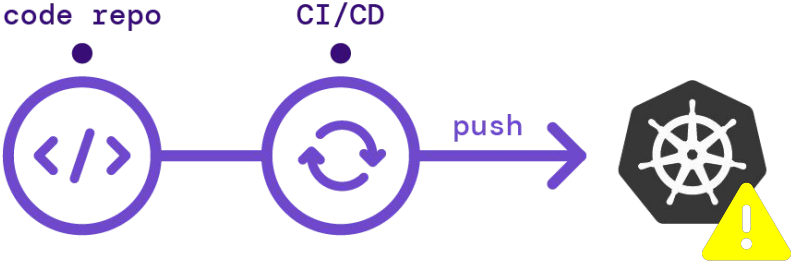
ci workflows

push pipeline

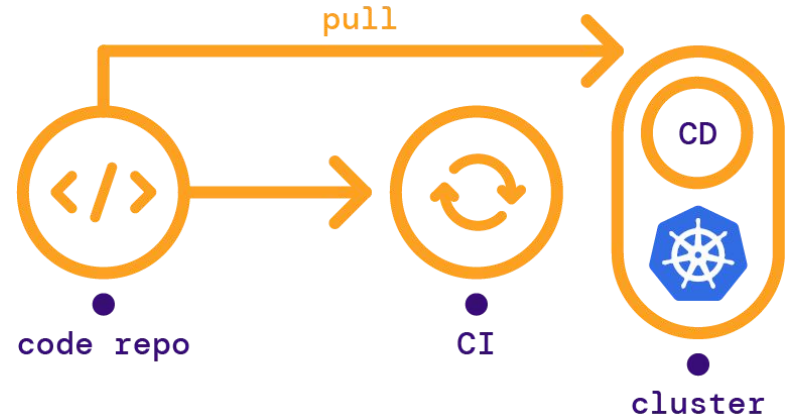


push pipeline

cluster drift



pull pipeline



resources



github.com/open-gitops/project



github.com/helm/helm



github.com/kubernetes-sigs/kustomize



github.com/kubefirst/kubefirst



github.com/kubeshop/monokle

questions



12:30PM – Tomorrow

**8 Steps to Build an Open Source GitOps
Cloud Native Platform on the Civo Cloud**