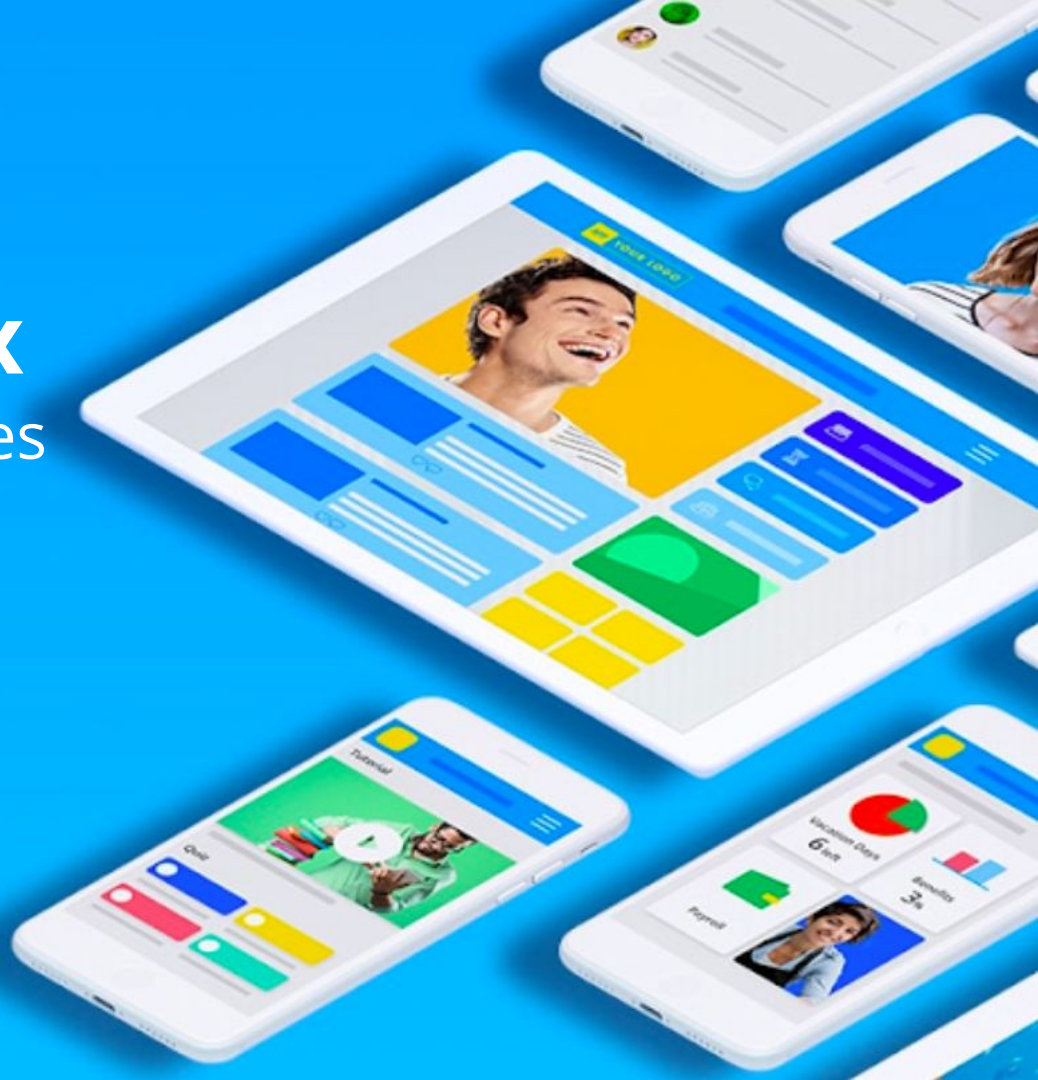




# GitOps using Flux

How we manage Kubernetes clusters at Staffbase

@rico\_berger



What is GitOps?

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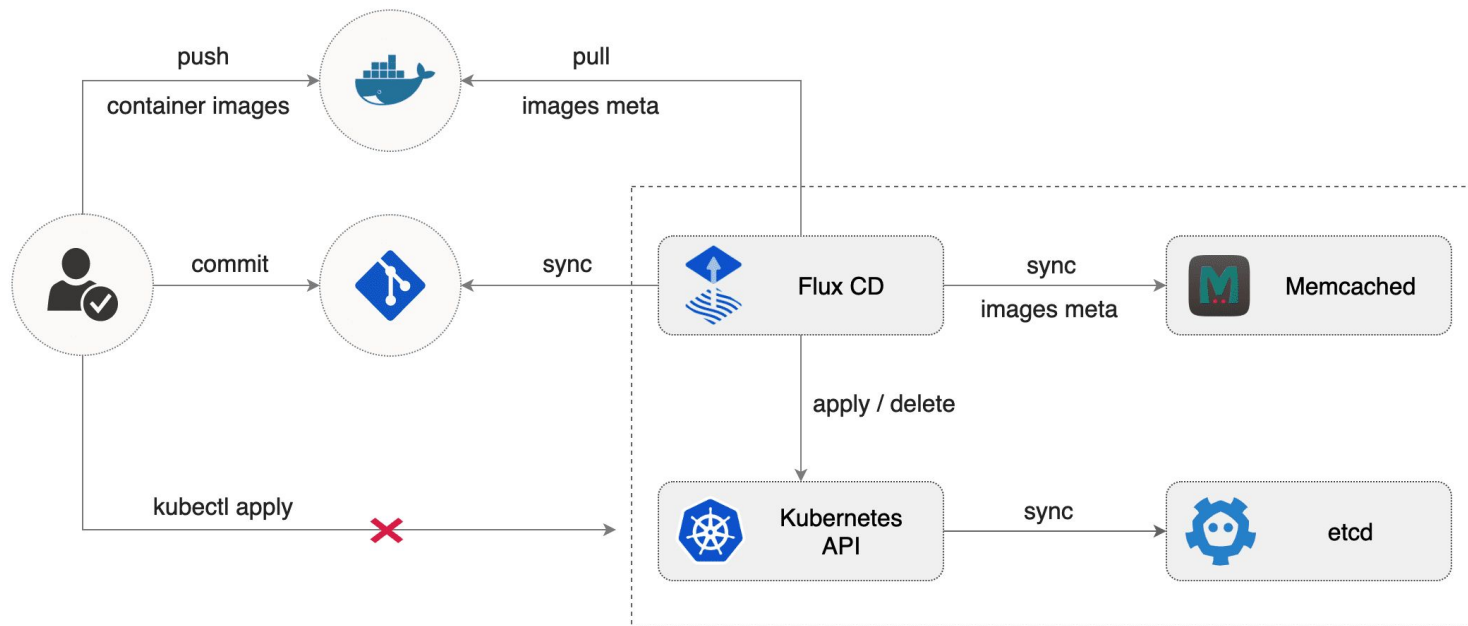
*"GitOps is a way to do Kubernetes cluster management and application delivery. It works by using Git as a single source of truth for declarative infrastructure and applications. With Git at the center of your delivery pipelines, developers can make pull requests to accelerate and simplify application deployments and operations tasks to Kubernetes."*

# Flux: The GitOps Kubernetes Operator

# Flux: The GitOps Kubernetes Operator

- Ensures that the state of a cluster matches the config in Git
  - Uses an operator in the cluster
  - Monitors image repositories, detects new images, triggers deployments
- 
- No separate CD tool
  - No access to the cluster for CI tools
  - Every change is atomic and transactional
  - Git has the audit log

# Flux: The GitOps Kubernetes Operator



Demo

# Summary



# Summary

- Flux uses an operator to ensure that the state of a cluster matches the configuration in Git
- Flux integrates seamlessly with Kustomize to manage multiple Kubernetes clusters within one Git repository
- Managing Helm releases the GitOps way with the Flux Helm Operator
- Use Flux's annotation feature to automatically update your running applications

Thank you for listening

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