Gitlab meets Kubernetes

Benjamin Stein

Arnold Bechtoldt
Assets & Links

gitlab.com/inovex/pa-todo-app-web
Scenario: ToDo Webapp
Introduction

- Use Case: Managing Tasks
- Golang, Redis (Master/Slave)
- Gitlab (without CI), Jenkins CI
Architecture

Redis (Master)  
Redis Slave

ToDo Webapp
Motivation
Current Deployment Pipeline

Team Dev
- Push Code
- Trigger Tests
- Build Artifact
- Release Artifact

Team Ops (+ QA)
- Deploy Staging
- Manual Testing
- QA
- Deploy Prod
Goals

★ Improve Tool Integration
★ Automate Everything
★ Make Deployments Great Again
Make Deployments Great Again
Improved Deployment Pipeline

Team DevOps (+ QA)

- Push Code
- Trigger Tests
- Build Artifact
- Release Artifact
- Deploy Staging
- Automated Testing
- QA
- Deploy Prod
Technologies

Gitlab

Docker

Kubernetes
You know what happens with live demos? Right, they always fail!
Demo Time: Video!
youtu.be/Ly_f221O6Fo
Conclusions
Goals (fixed)

★ Improve Tool Integration
★ Automate Everything ✓
★ Make Deployments Great Again ✓
TL;DR:

Improve the integration of your deployment toolstack e.g. with Gitlab CI and Kubernetes and get back the flexibility you ever wanted!
Benjamin Stein
Systems Engineer & Consultant @ inovex

› Software-Defined Datacenters
› Continuous Integration/Delivery
› DevOps

WE’RE HIRING!

inovex.de/jobs
Arnold Bechtoldt
Systems Engineer & Consultant @ inovex

› Software-Defined Datacenters
› Continuous Integration/Delivery
› DevOps

WE’RE HIRING!

inovex.de/jobs
Benjamin Stein
inovex GmbH

Feedback & Questions:
sayat.me/benst

bstein@inovex.de

github.com/ben-st
CC BY-NC-ND
diffus.org
gitlab.com/inovex

Arnold Bechtoldt
inovex GmbH

Feedback & Questions:
sayat.me/arbe

abechtoldt@inovex.de

github.com/bechtoldt
CC BY-NC-ND
arbe.io
gitlab.com/inovex