

# Slack based CI/CD

CHAT-OPS IN KUBERNETES

# CI Workflow

- ▶ Github Project
  - ▶ Developer commits code to repository (github)
    - ▶ Dev branch
    - ▶ Travis/Circle – unit test
    - ▶ Manual merge to master branch
    - ▶ Tagging the master branch triggers a docker hub webhook
- ▶ Dockerhub Project
  - ▶ Dockerhub pulls project with latest tag
  - ▶ Uses Dockerfile inside the project to build a new **image:tag\_version**
  - ▶ A successful image build triggers a slack webhook

# CD Workflow

<https://github.com/getachew/kubebot>



**dockerhub** BOT 9:31 PM

!kubectl set image deployment/ml-api ml-api=gcr.io/ml-pipeline/ml-api:release --namespace ml-prod



**mlbuildbot** BOT 9:31 PM

Roger that!

@, this is the response to your request:

```
deployment "ml-api" image updated
```



**abel** 9:31 PM

!kubectl get pods --namespace ml-prod



**mlbuildbot** BOT 9:31 PM

Roger that!

@abel, this is the response to your request:

NAME	READY	STATUS	RESTARTS	AGE
ml-api-3425212898-xbwmu	1/1	Running	0	41s