// CODE ➡️ CLUSTER:
BOOSTING DEVELOPMENT WITH A LOCAL KUBERNETES OPS PLATFORM

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Slides

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🙋 # What is your profession?

🤓 Software Engineer / Developer

🙋 What is your profession?

🔨🔧 Platform Engineer / Ops person

🙋 **Who uses Kubernetes for local development?**

k3d Minkube Microk8s

k3s KIND Docker Desktop k0s

Rancher Desktop

Kelsey Hightower ✓
@kelseyhightower

Kubernetes is a platform for building platforms. It's a better place to start; not the endgame.
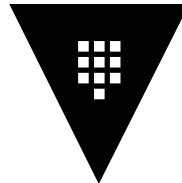
10:04 PM · Nov 27, 2017

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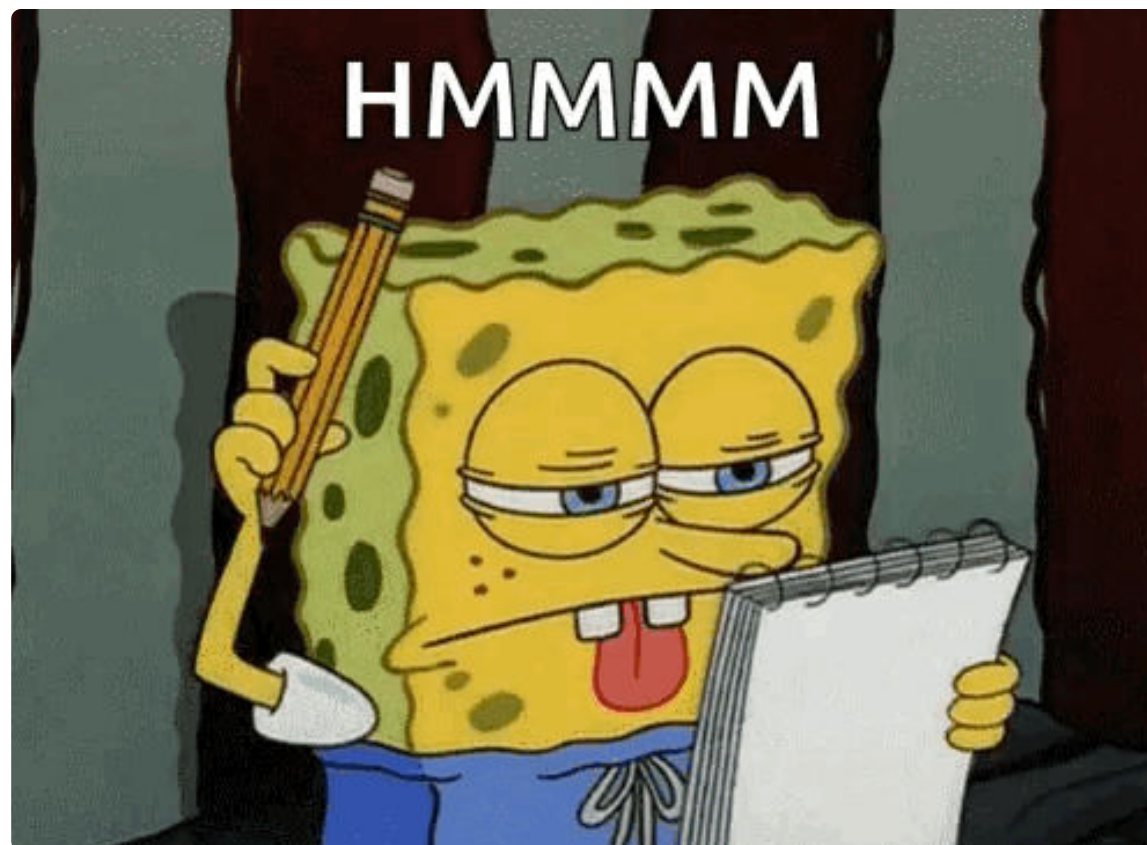
twitter.com/kelseyhightower/status/935252923721793536

Start a k8s cluster in ~10s

```
k3d cluster create test
```

Now start the platform

Let's write a little script...

```
669         --metrics | --monitoring ) shift;; # Ignore, used in groovy only
670         --mailhog-url           ) shift 2;; # Ignore, used in groovy only
671         --vault                 ) shift 2;; # Ignore, used in groovy only
672         --petclinic-base-domain ) shift 2;; # Ignore, used in groovy only
673         --nginx-base-domain     ) shift 2;; # Ignore, used in groovy only
674         --destroy               ) DESTROY=true; shift;;
675         --config-file           ) shift;; # Ignore, used in groovy only
676         --config-map            ) shift;; # Ignore, used in groovy only
677         --output-config-file ) OUTPUT_CONFIG_FILE=true; shift;;
678         --                      ) shift; break ;;
679       *) break ;;
680     esac
681   done
682 }
683
684 main "$@"
```

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Wouldn't it be great to start the platform locally with one command?

Meet GOP

```
COMMIT='8e21bd4'
bash <(curl -s \
  "https://raw.githubusercontent.com/cloudogu/gitops-playground/$COMMIT/scripts/init-cluste
  --bind-ingress-port=80  \
  && sleep 2 && docker run --rm -it --pull=always -u $(id -u) \
    -v ~/.config/k3d/kubeconfig-gitops-playground.yaml:/home/.kube/config \
    --net=host \
    ghcr.io/cloudogu/gitops-playground:$COMMIT --yes --argocd --base-url=http://local.gd
# Other interesting options --monitoring --vault=dev
```