# // 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.
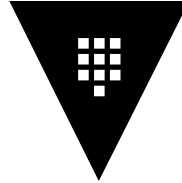
10:04 PM · Nov 27, 2017

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🐦 twitter.com/kelseyhightower/status/935252923721793536
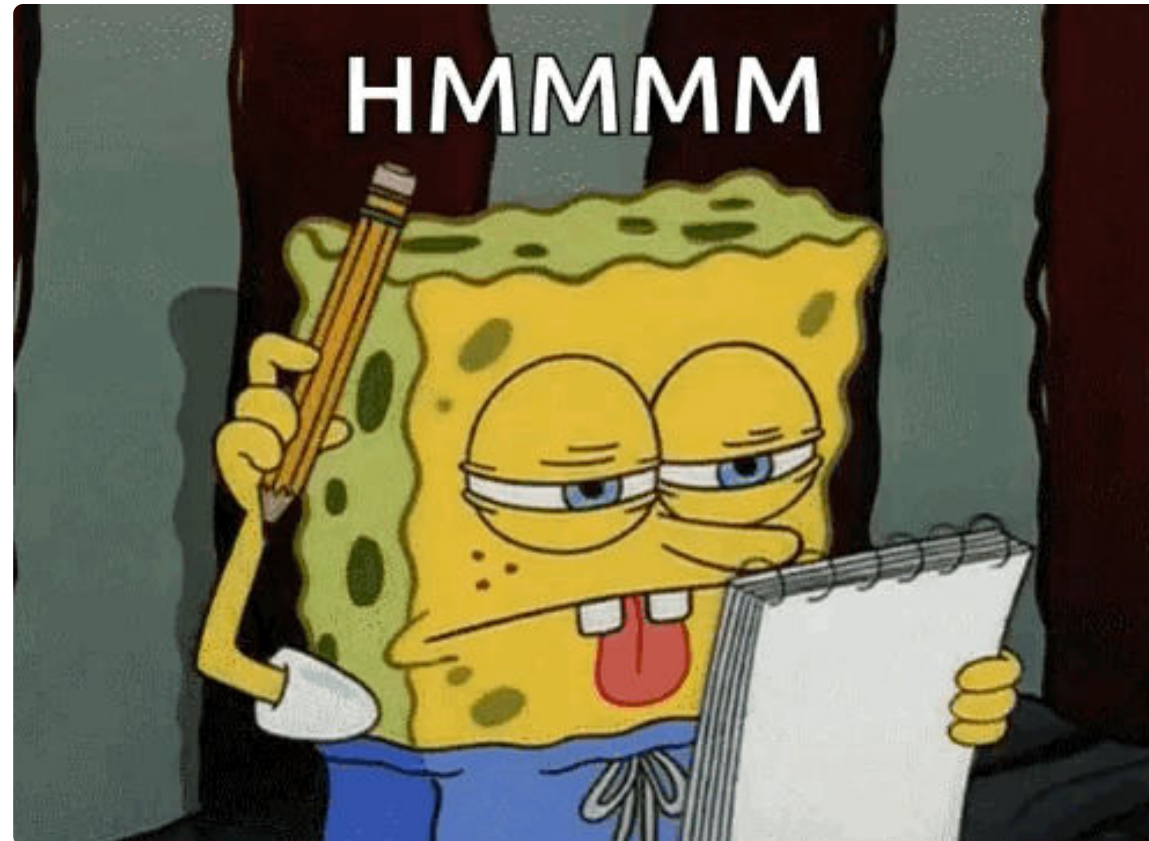
# Start a k8s cluster in ~10s

```
k3d cluster create test
```

# Now start the platform

# Let's write a little script...

Code   Blame                                    Raw

```sh
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 "$@"
```

# 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
```