

// 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

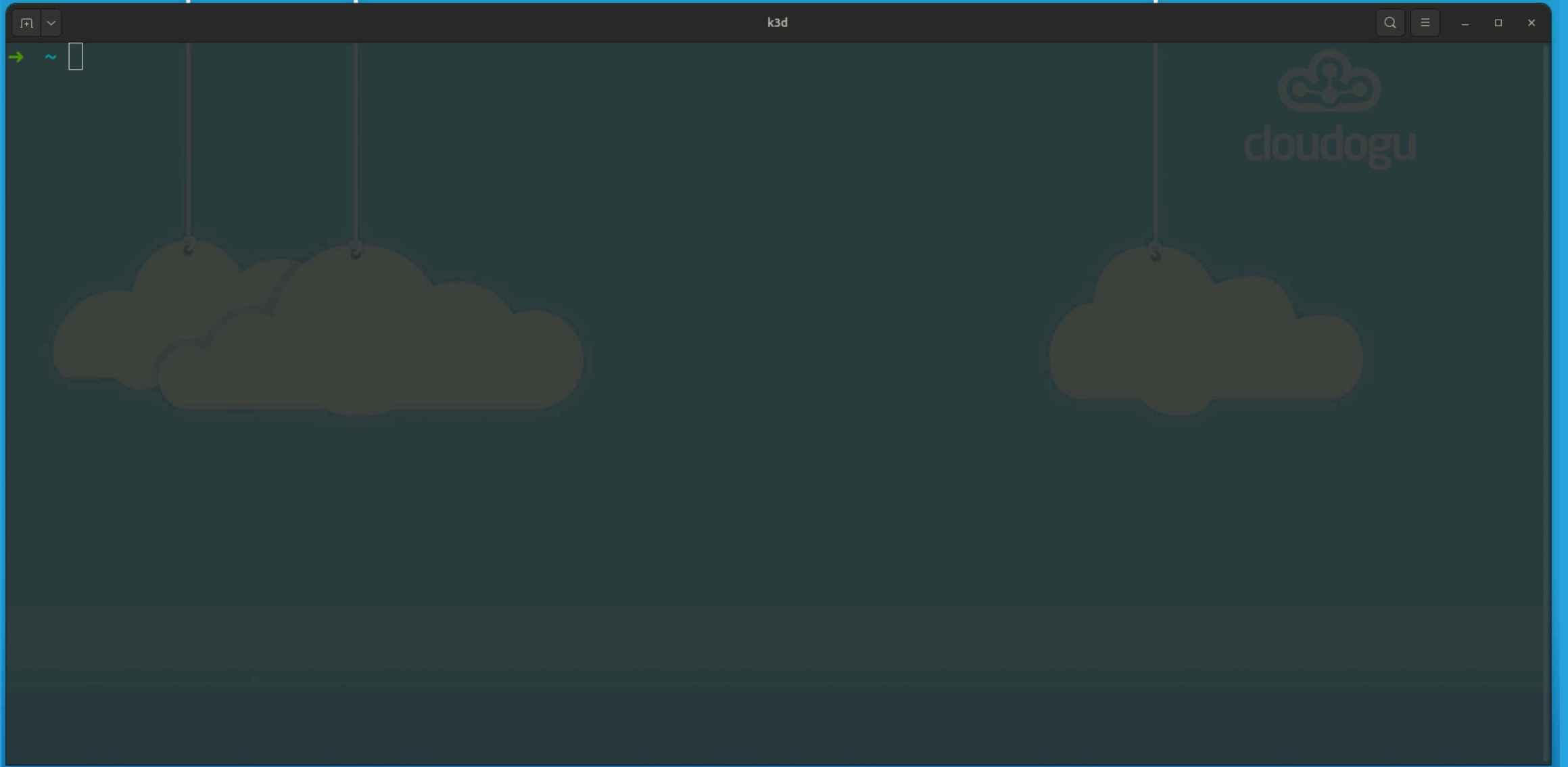
Kubernetes is a platform for building platforms. It's a better place to start; not the endgame.

10:04 PM · Nov 27, 2017

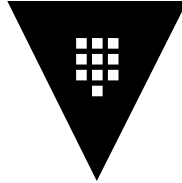
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 twitter.com/kelseyhightower/status/935252923721793536

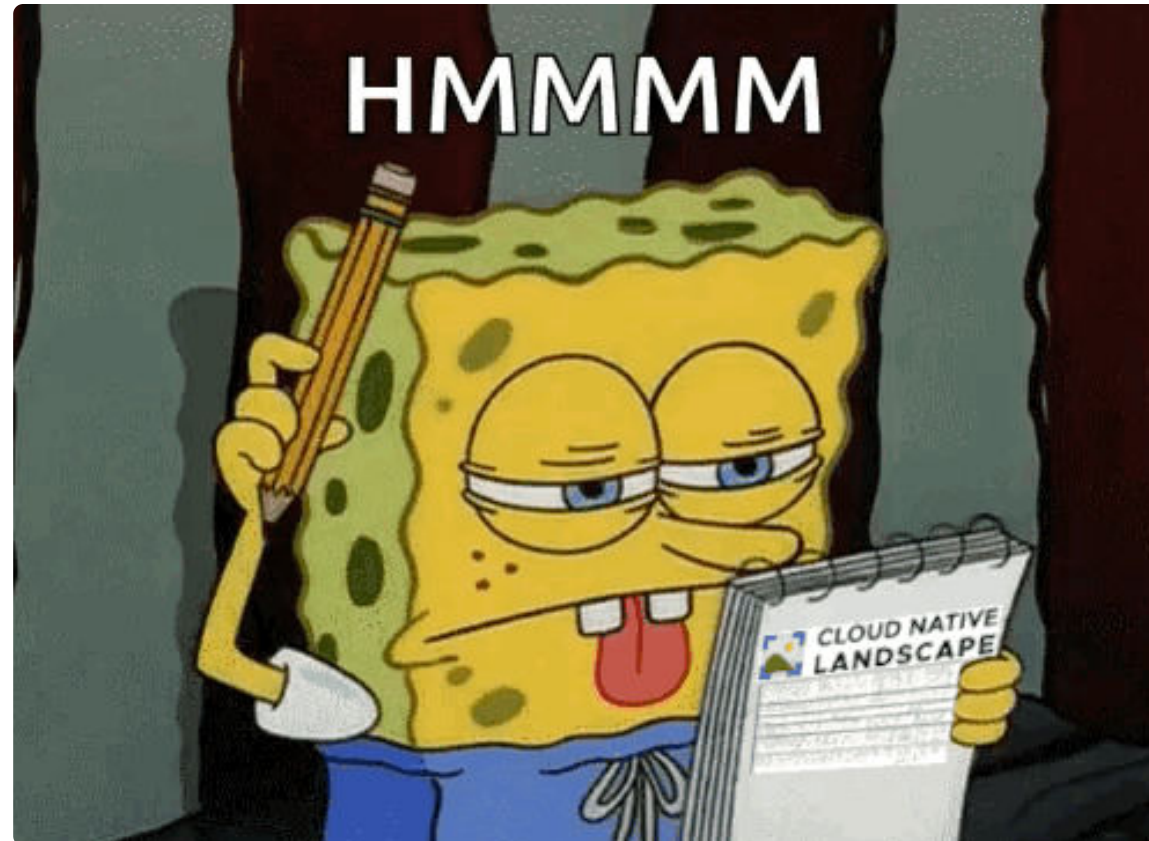
Start a local k8s cluster with one command



Next, start the platform



NGINX...



So, let's write a *little* script...



a98089f ▾

/ scripts / apply.sh

↑ Top

Code

Blame

Raw

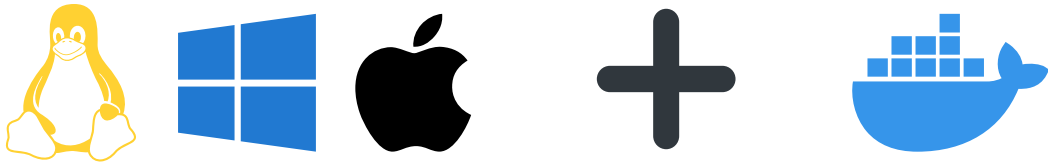


```
669 --metrics | --monitoring ) shift;; # Ignore, used in groovy only
670 --mailhog-url           ) shift 2;; # Ignore, used in groovy only
671 --vault                 ) shift 2;; # Ignore, used in groovy only
672 --petclinic-base-domain ) shift 2;; # Ignore, used in groovy on
673 --nginx-base-domain    ) shift 2;; # Ignore, used in groovy on
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 "$@"
```



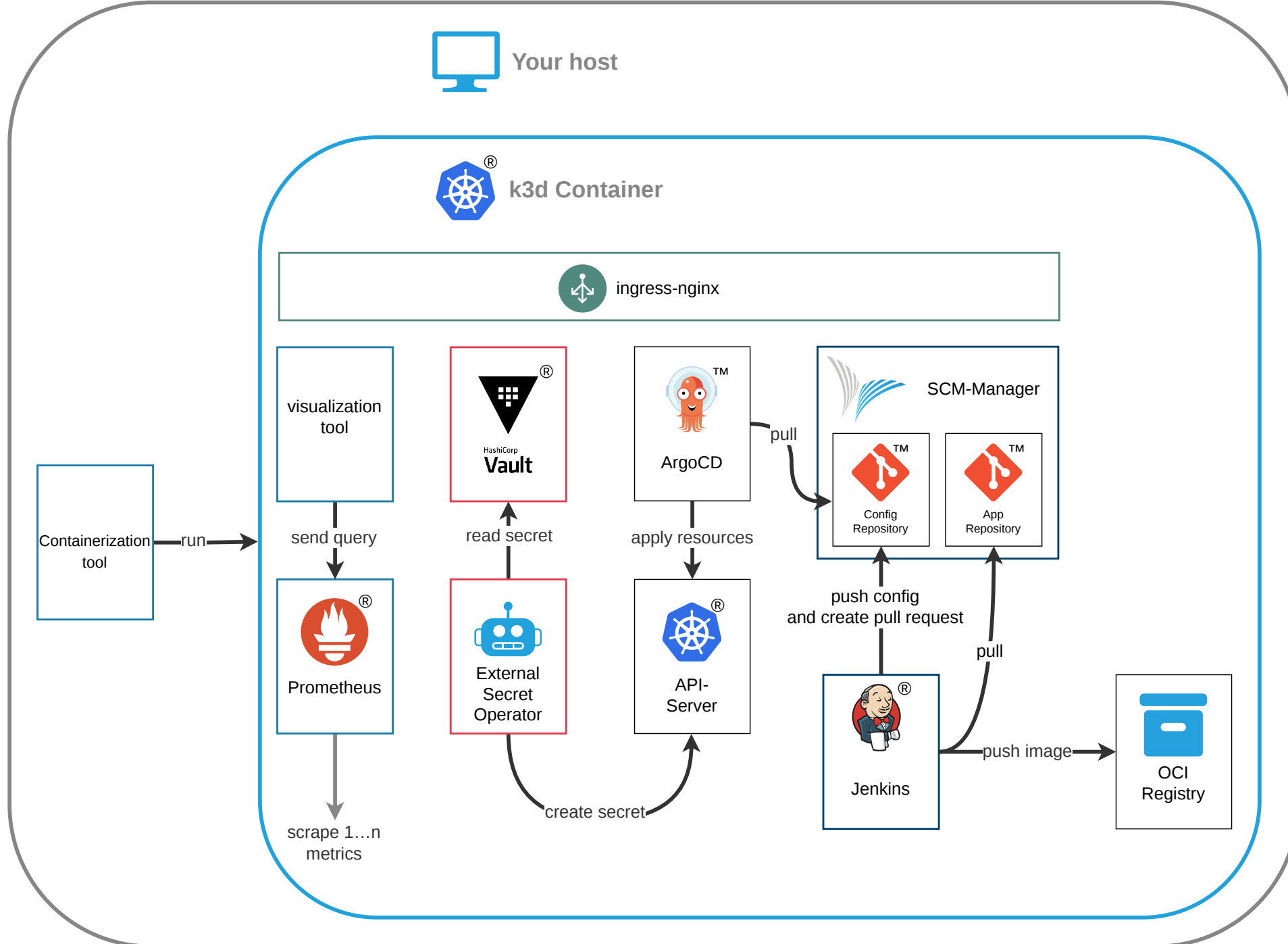
Why not start the platform with one command?

Meet GOP



```
COMMIT='cddaaed'
bash <(curl -s \
  "https://raw.githubusercontent.com/cloudogu/gitops-playground/$COMMIT/scripts/init-cluster.sh") \
--bind-ingress-port=80 \
&& docker run --rm -t --pull=always -u $(id -u) \
  -v ~/.config/k3d/kubeconfig-gitops-playground.yaml:/home/.kube/config \
  --net=host \
  ghcr.io/cloudogu/gitops-playground --yes --base-url=http://localhost --ingress-nginx \
  --argocd --monitoring --vault=dev --mailhog
```

 [cloudogu/gitops-playground](https://github.com/cloudogu/gitops-playground)



GitOps playground

