
Developing Apps with KinD

28/04/2021

Aditya Menon

Why?

- If your organization exclusively uses k8s in production, docker-compose is a poor imitation of it locally for devs
 - Managing k8s clusters for app teams can be expensive
 - Siloing knowledge is bad, dev teams should understand what Ops manages
-

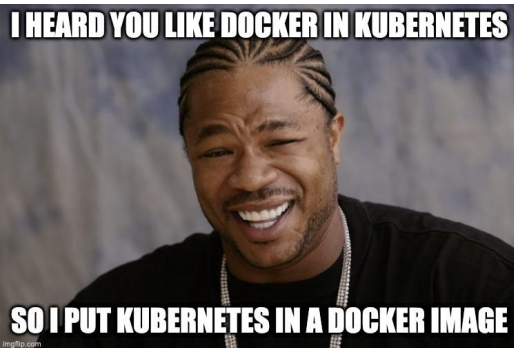
Solution

For this presentation we'd like to recommend 3 tools which we use -

1. KinD
 2. skaffold
 3. helmfile
-

KinD

- Kubernetes in Docker is a tool built by kubernetes-sigs group
- Used to test k8s features
- Can be used in CI for e2e and integration tests
- Light weight
- <https://kind.sigs.k8s.io/>



skaffold

- All in one tool which pairs well with k8s
 - Can build, push and deploy containers to k8s
 - Feature rich
 - Can be used as an un-opinionated declarative CI/CD pipeline
 - <https://skaffold.dev>
-

Helmfile (optional)

- Declarative grouping of helm charts as a single deployment artifact
 - Powerful templating for helm charts (Template the template)
 - Separate environment specific values from helm charts
-

Demo!

Nobody:

Bugs right before a demo:



Q/A





We're Hiring

If you interested in working with a team where you have full autonomy, testing out bleeding edge software and helping push a green and sustainable transportation method, check out our page - spin.app/spin-team

Thank you!

