

MicroServices on Kubernetes - The Simple Way

docker-compose to k8s in one line

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UX & Simplicity

version: "2"

services:

redis-master:

image: gcr.io/google_containers/redis:e2e

redis-slave:

image: gcr.io/google_samples/gb-redisslave:v1

environment:

- GET_HOSTS_FROM=dns

frontend:

image: gcr.io/google-samples/gb-frontend:v4

ports:

- "80:80"

environment:

- GET_HOSTS_FROM=dns

Enter kompose! 🖱️

\$ kompose up

What is Kompose?

- Kompose deploys microservices to Kubernetes or OpenShift
- Kompose converts `docker-compose.yml` file to Kubernetes and OpenShift artifacts. (you can modify artifacts and then deploy)

Demo on Kubernetes

```
$ kompose up
```

Demo on OpenShift

```
$ kompose --provider openshift up
```


Plain conversion

```
$ kompose convert
```

How to contribute

- Github project link: <https://github.com/kubernetes-incubator/kompose/>
- Try it out with your docker-compose files, report issues, ask for enhancement, etc.
- All contributions are highly welcome.

Reach out

- Talk to us on [#kompose](#) channel on <http://slack.kubernetes.io/>
- We do bi-weekly community meeting on Wednesday 22.30 IST at <https://bluejeans.com/404059616> Upcoming meeting is on 23rd Nov.

What next?

- Container Orchestration Specification - OpenCompose
- Common to most container orchestration systems like Kubernetes, OpenShift, Mesos-Marathon
- Github repo for spec: <https://github.com/redhat-developer/opencompose>
- Intro to spec:
<http://developers.redhat.com/blog/2016/11/03/container-orchestration-specification-for-better-devops/>

Links:

- Demo repo:
<https://github.com/surajssd/talks/tree/master/DevopsDaysIndia2016>
- Slides: <http://bit.ly/komposeDD>

About me:

- Works at Red Hat in Developer tooling team and one of the contributors to Kompose project.
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Thank You