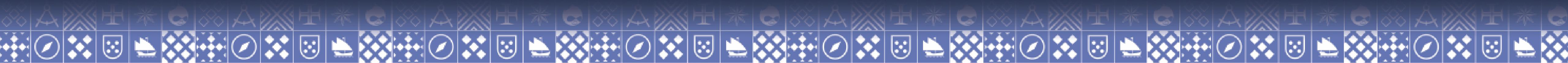


DRUPAL DEVELOPER DAYS
LISBON 2018

Running Drupal on Kubernetes

Lakshmi Narasimhan



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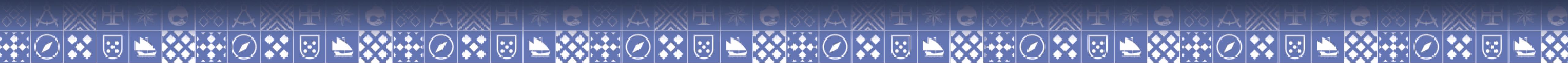


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Agenda

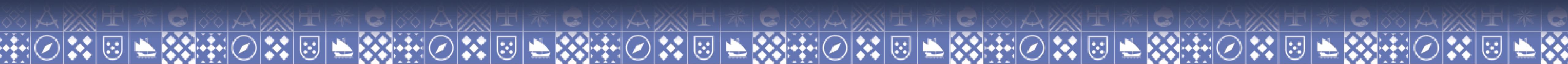
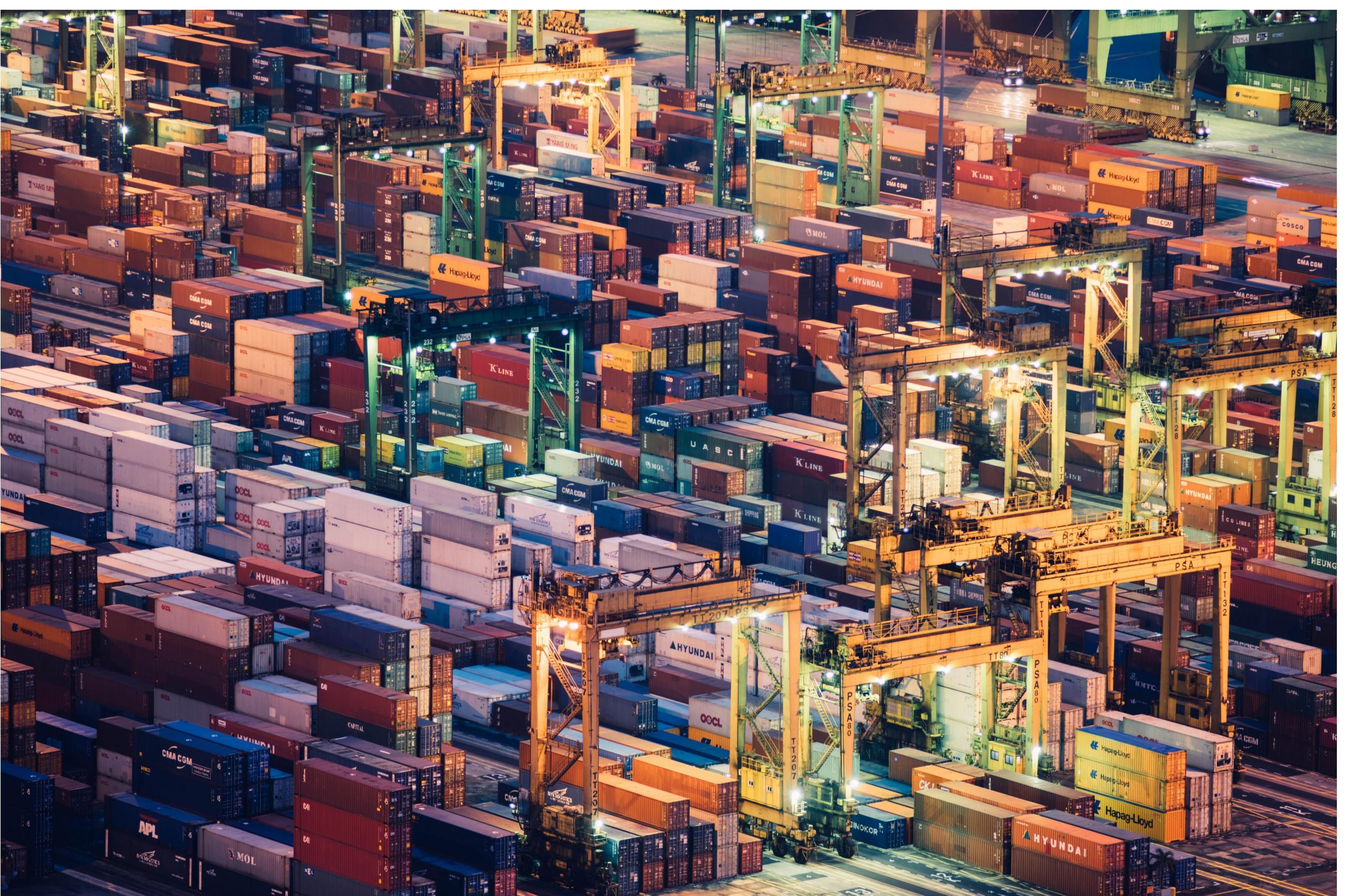
- Docker containers, build an image
- Kubernetes concepts
- Minikube
- Launch a K8s cluster
- Deploy Drupal
- Redeploy changes
- QA



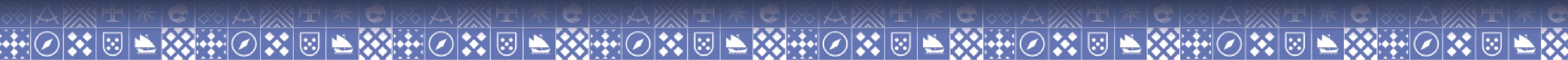
Prerequisites

- Git
- docker
- Minikube
- Dockerhub account(free)
- Clone <https://github.com/badri/drupal-k8s>
- Optional: A DigitalOcean and Containership account

Why use containers?



Docker registry



Immutable infrastructure



Action

Build a base image of your Drupal code base and push to docker registry.

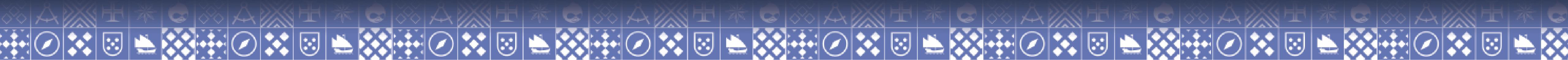
Container orchestration



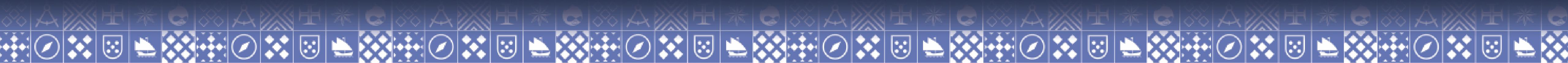
K8s



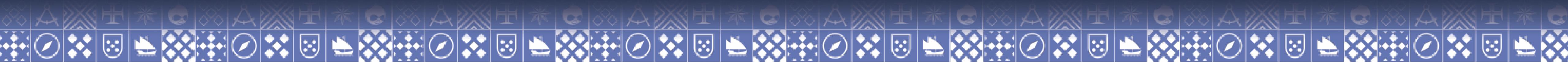
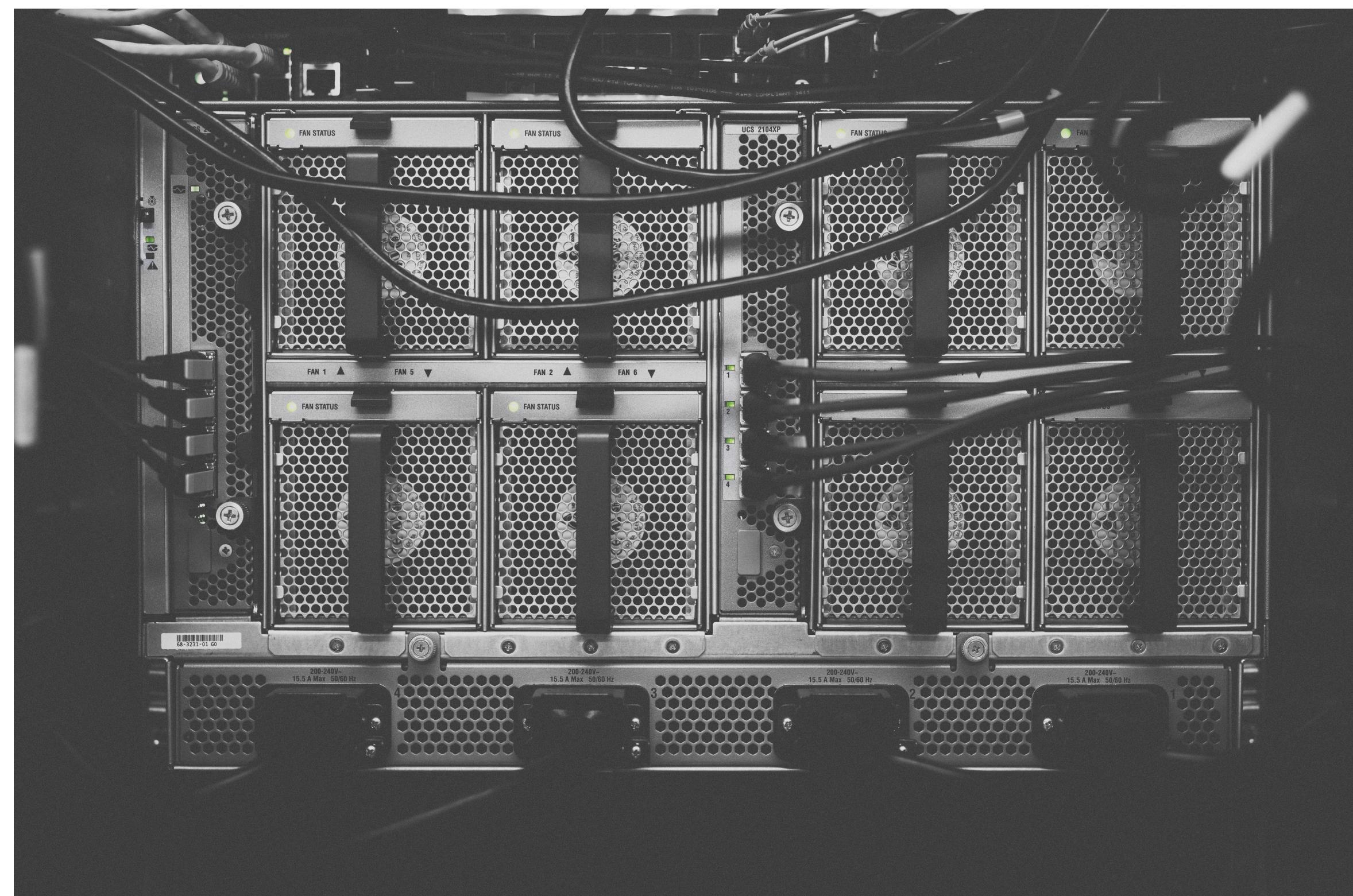
Pod



Replica set



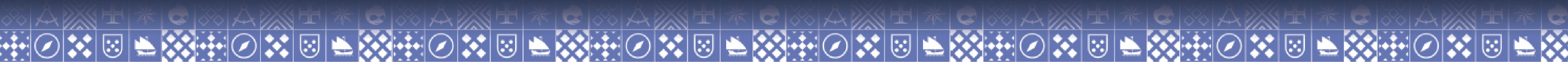
Service



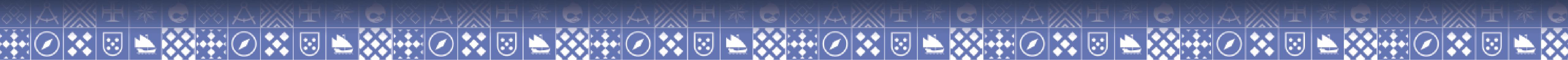
Deployment



Volume



Installing K8s



Options

Kubeadm, Kubespray, Kops, managed Kubernetes.

Action

Play with Minikube to understand k8s concepts

Action

Sign up for DO account.

Action

Sign up for Containership.io account

Action

Switch kubectl context

Action

Deploy Drupal

Action

Create a new deployment

Action

Pointing to new domain name, using Drush

The ecosystem



<https://www.cncf.io/projects/>

Thanks

- Axelerant
- Kubernetes in Action, by Marko Lukša
- Devops toolkit book series, by Viktor Farcic
- Unsplash for the stock photos

How to reach me for

- Further questions
- Comments
- Feedback

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FIN