



Deploying an Application on Kubernetes

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What do we need to know about an app before we deploy on Kubernetes?

What are the different parts of this app?

Which part faces the users?

Who are the admins?

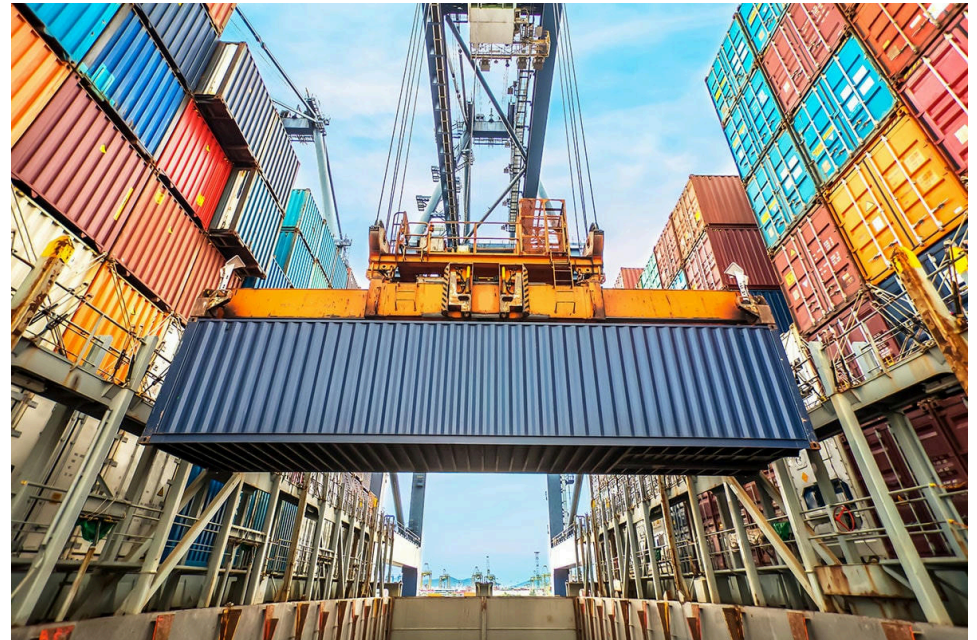
Which parts are stateful?

What resources does this app require?

What is the baseline for use?

Containerizing the Application

- Developed internally
- Deployed to an internal container registry
- Usually the end result of a CI/CD pipeline



Designing K8s Objects



- Deployments
- Services
- Volumes

Testing



- Can users use it?
- Can the admins use it?
- Does it scale?
- Can you update?
- Can you rollback?

Container Registry Options



- self-hosted
- [Docker Hub](#) (not private)
- [ECR](#)
- [GCR](#)
- [ACR](#)

Kubernetes Cluster Options

- Self-hosted
- k8s on IaaS
- k8s as a service: ([EKS](#) , [AKS](#) , [GKE](#))
- What's the CR interop?

