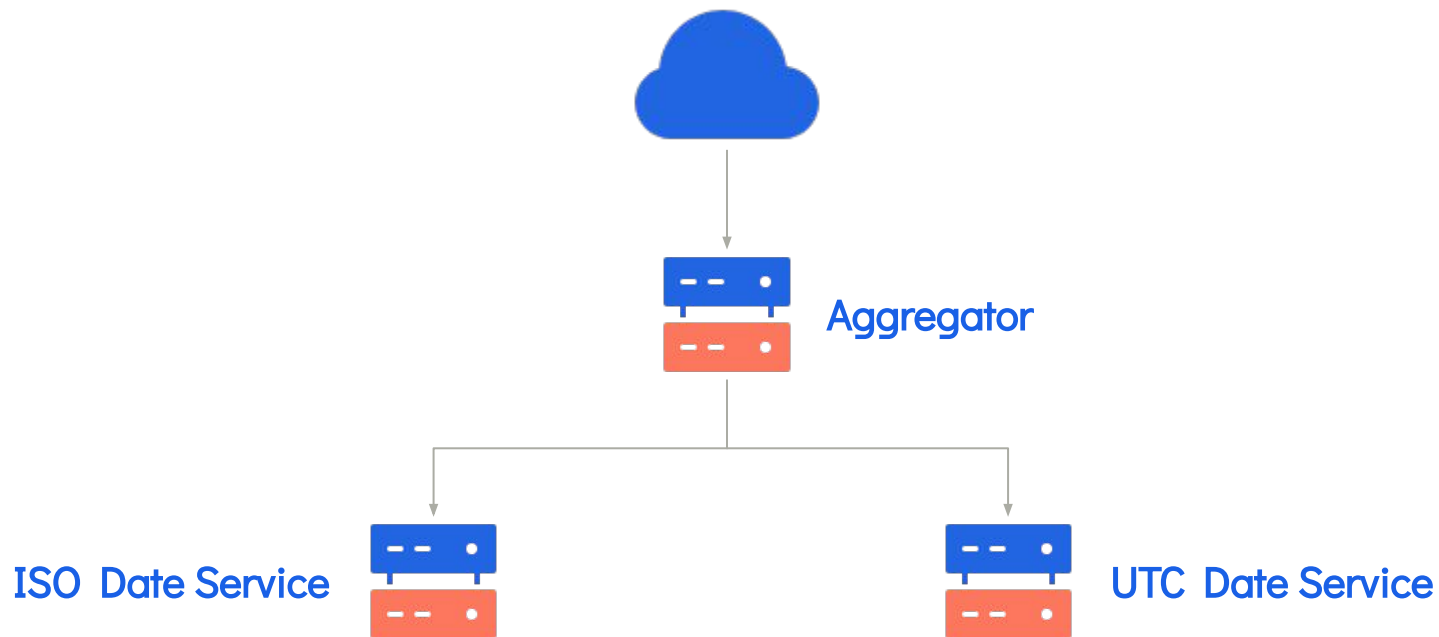


Rebelcon k8s Workshop

19th of June, 2019

The system



Docker

About Docker

- Containerization of applications and dependencies
- Isolation
- Repeatability and immutability
- Layering system similar to GIT commits
- Build once run everywhere

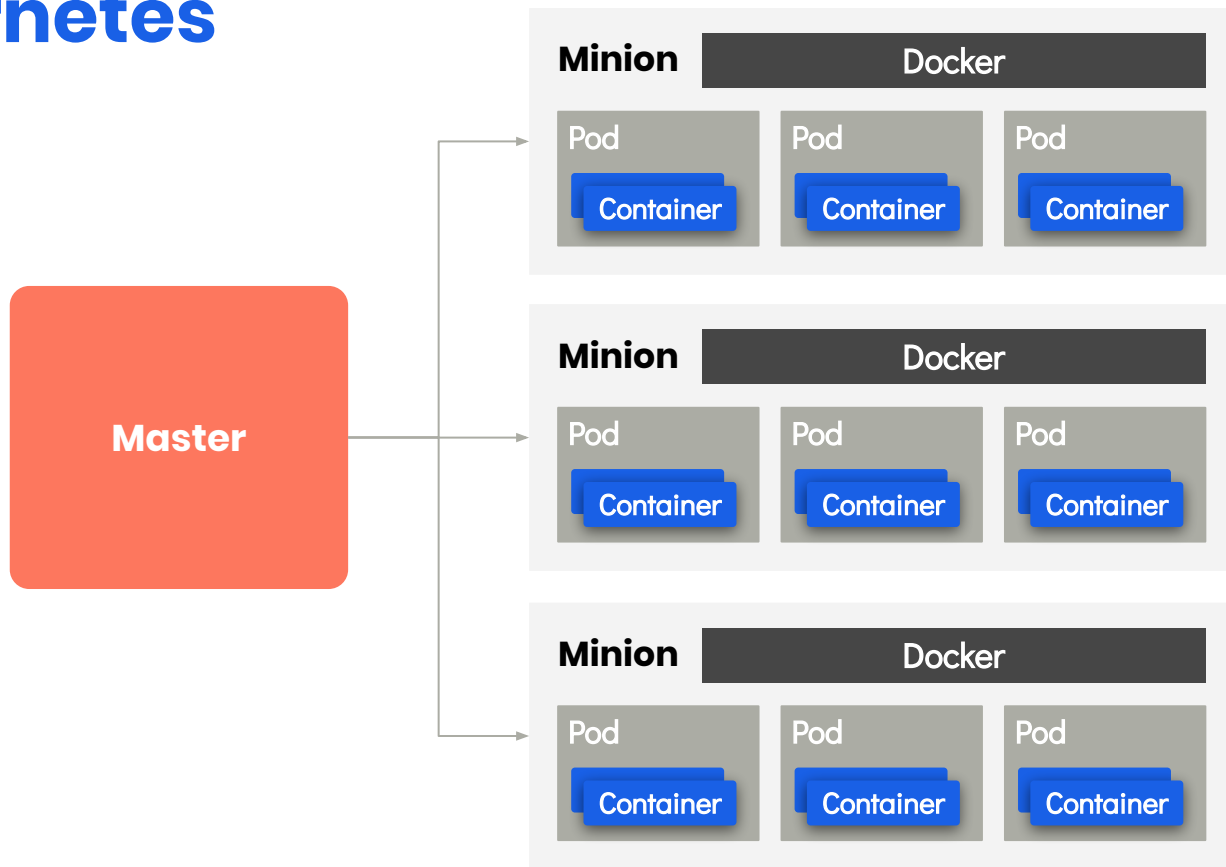


Docker II

Runtime file system (read-write)
WAR file added (read-only)
Tomcat installed (read-only)
Java 8 installed (read-only)
Apache HTTP installed (read-only)
Debian Wheezy (read-only base image)
Linux Kernel 3.13.3 (read-only bootfs)



Kubernetes



Kubernetes II

About Kubernetes

- High availability
- **High observability**
- Self healing infrastructure
- Auto-scalability
- Extensibility
- Service discovery
- Continuous delivery



Helm

About Helm

- Application packages
- Template rendering
- Rollbacks are one command
- Dependency management



Let's have a look at the code...

