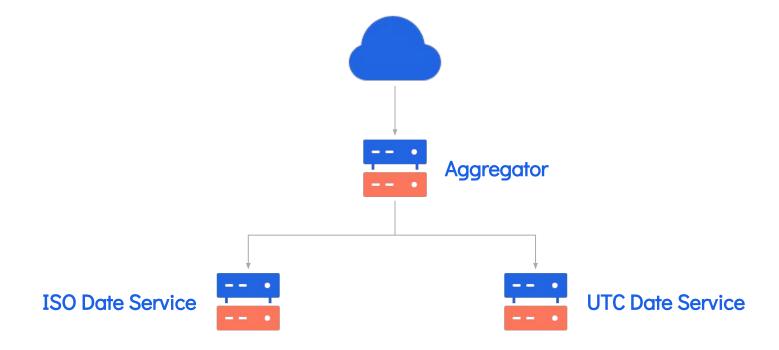


# **Technology**

4th of December, 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 Minion** Docker Pod Pod Pod Container Container Container **Minion** Docker Pod Pod Pod Master Container Container Container **Minion** Docker Pod Pod Pod Container Container Container

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## **Kubernetes II**

#### **About Kubernetes**

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

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## Helm

#### **About Helm**

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

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

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