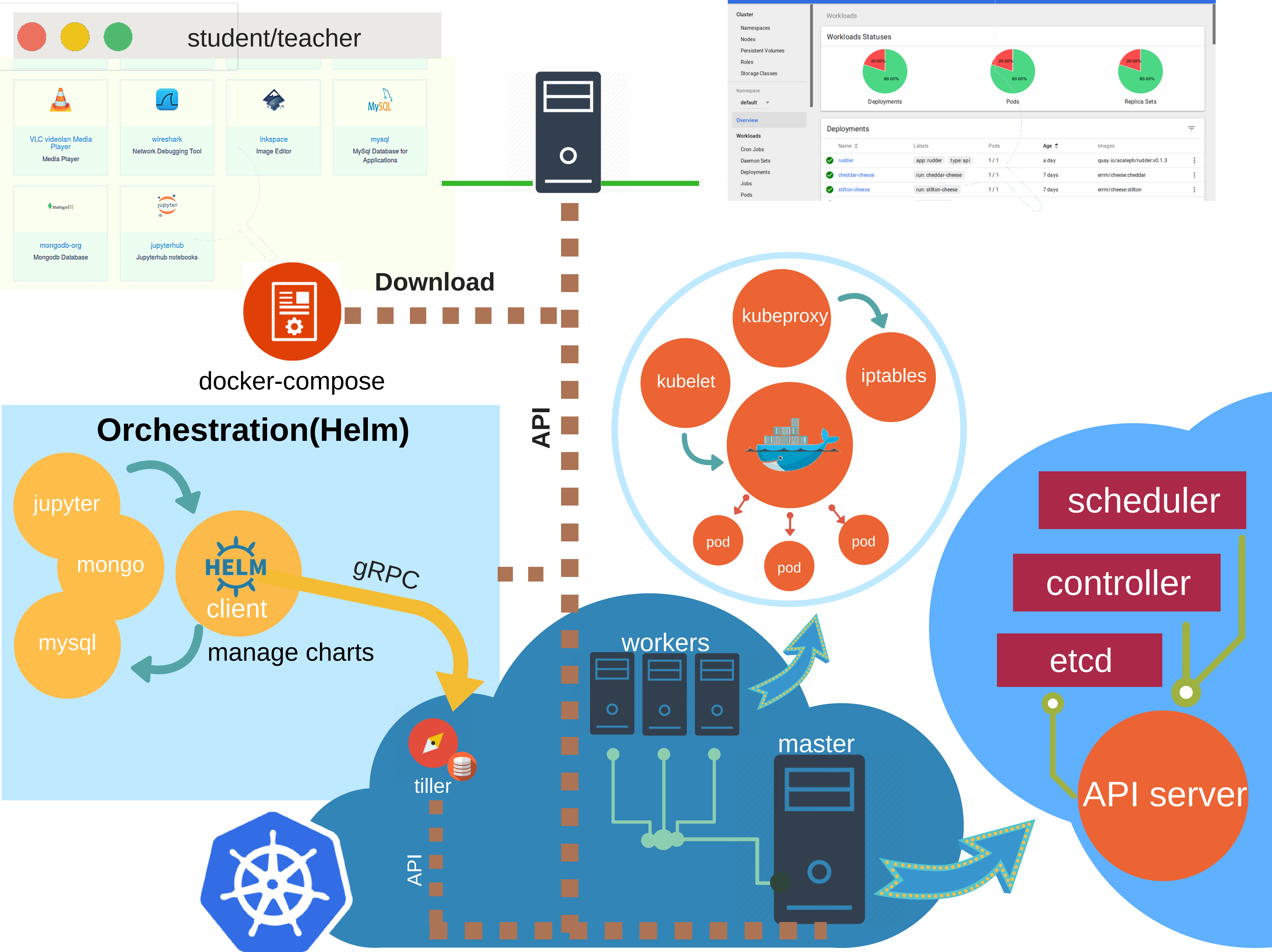# Container based Kubernetes powered Appstore

Abstract

In an age of easy to install and accessible mobile apps, the students and staff expects to have access to all the software needed in their university courses seamlessly and quickly. The project is aimed to provide an App-store like software delivery system through a private cloud based university data center.

Solution to the Problems

- It does not work on my machine
- How to Install and configure this app
- My laptop does not have enough resources
- I left my work on another machine

admin

student/teacher

VLC videolan Media Player — Media Player
wireshark — Network Debugging Tool
Inkspace — Image Editor
mysql — MySql Database for Applications
mongodb-org — Mongodb Database
jupyterhub — Jupyterhub notebooks

Download

docker-compose

Orchestration(Helm)

jupyter
mongo
mysql
HELM client
gRPC
manage charts

tiller

API

kubeproxy
kubelet
iptables
pod
pod
pod

workers

master

scheduler
controller
etcd
API server

Technologies and tools used

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