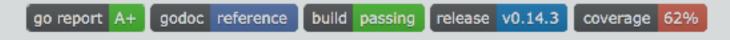


### SUPERGIANT: Easy container orchestration using Kubernetes





Supergiant is an open-source container orchestration system that lets developers easily deploy and manage apps as Docker containers using Kubernetes.

We want to make Supergiant the easiest way to run Kubernetes in the cloud.

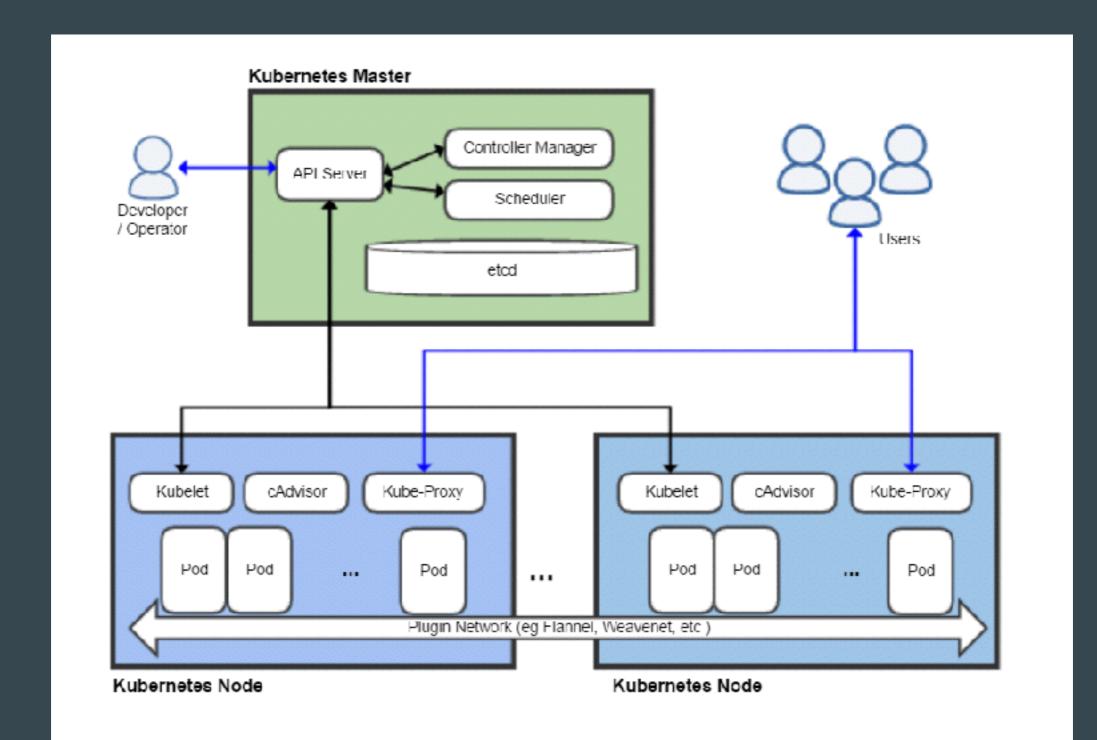
#### Quick start...

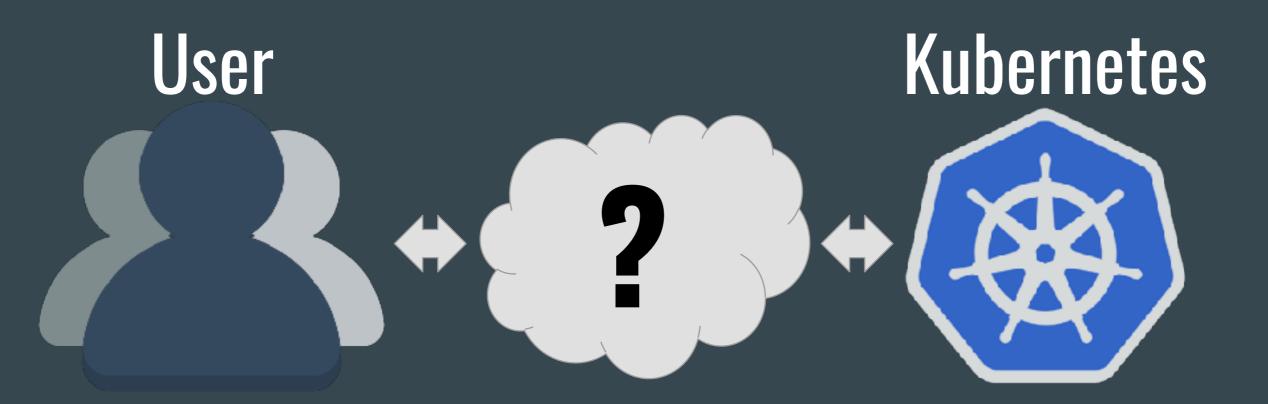
How to Install Supergiant Container Orchestration Engine on AWS EC2



## Keeping Users & Your Bottom Line Happy: Setting up a Multi-Million Dollar SaaS Service with Kubernetes

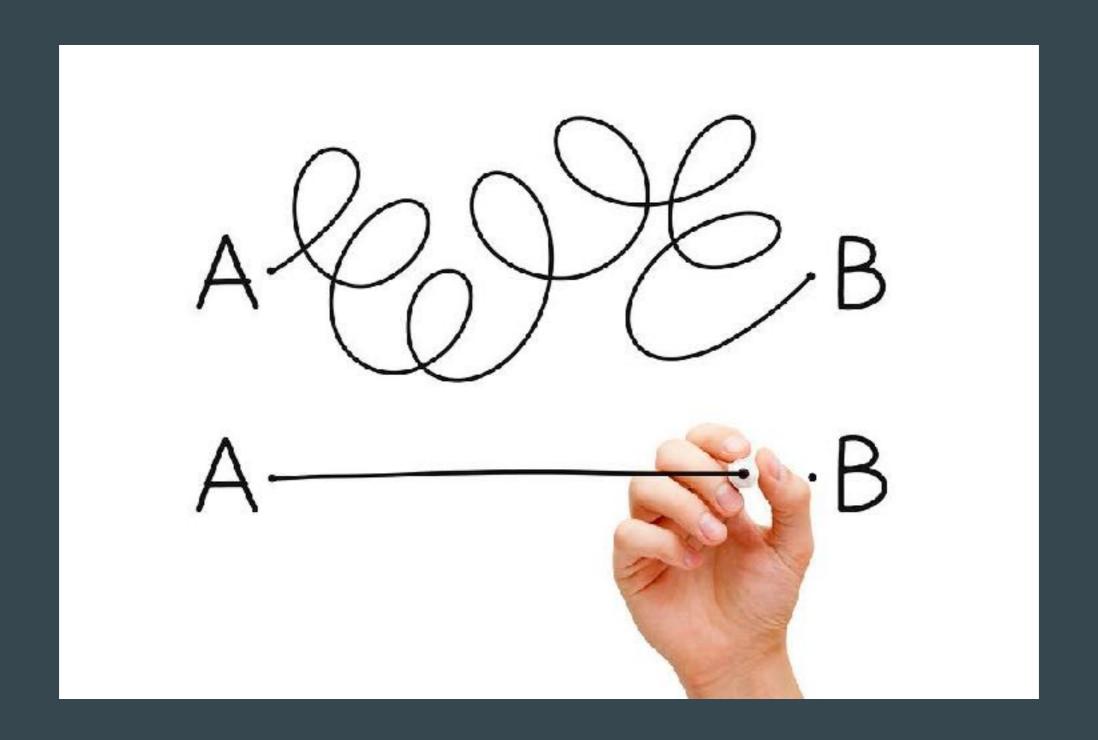
- High-level overview
- Recommended system methodology
- Performance and operational benefits of Kubernetes
- Secret sauce: Leverage kubernetes to achieve dramatic hardware savings











#### **Immutable Infrastructure**

## im·mu·ta·ble

/i(m) myoodəb(ə)l/

adjective

unchanging over time or unable to be changed.

"an immutable fact"

synonyms: fixed, set, rigid, inflexible, permanent, established, carved in stone;

## What is "Immutable Infrastructure?"

- Servers act similarly to objects in code.
- Servers should not be expected to change their configuration on the fly.
- When an infrastructure configuration is changed, it is replaced with a new version.
- A server is rebuilt when it fails.

#### **Benefits of Kubernetes:**

- Increased Performance

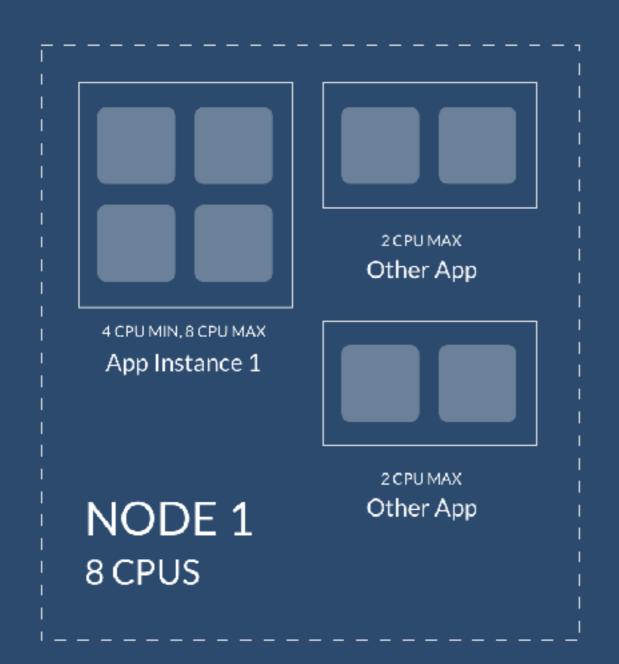
- Increased Stability

- Security Benefits

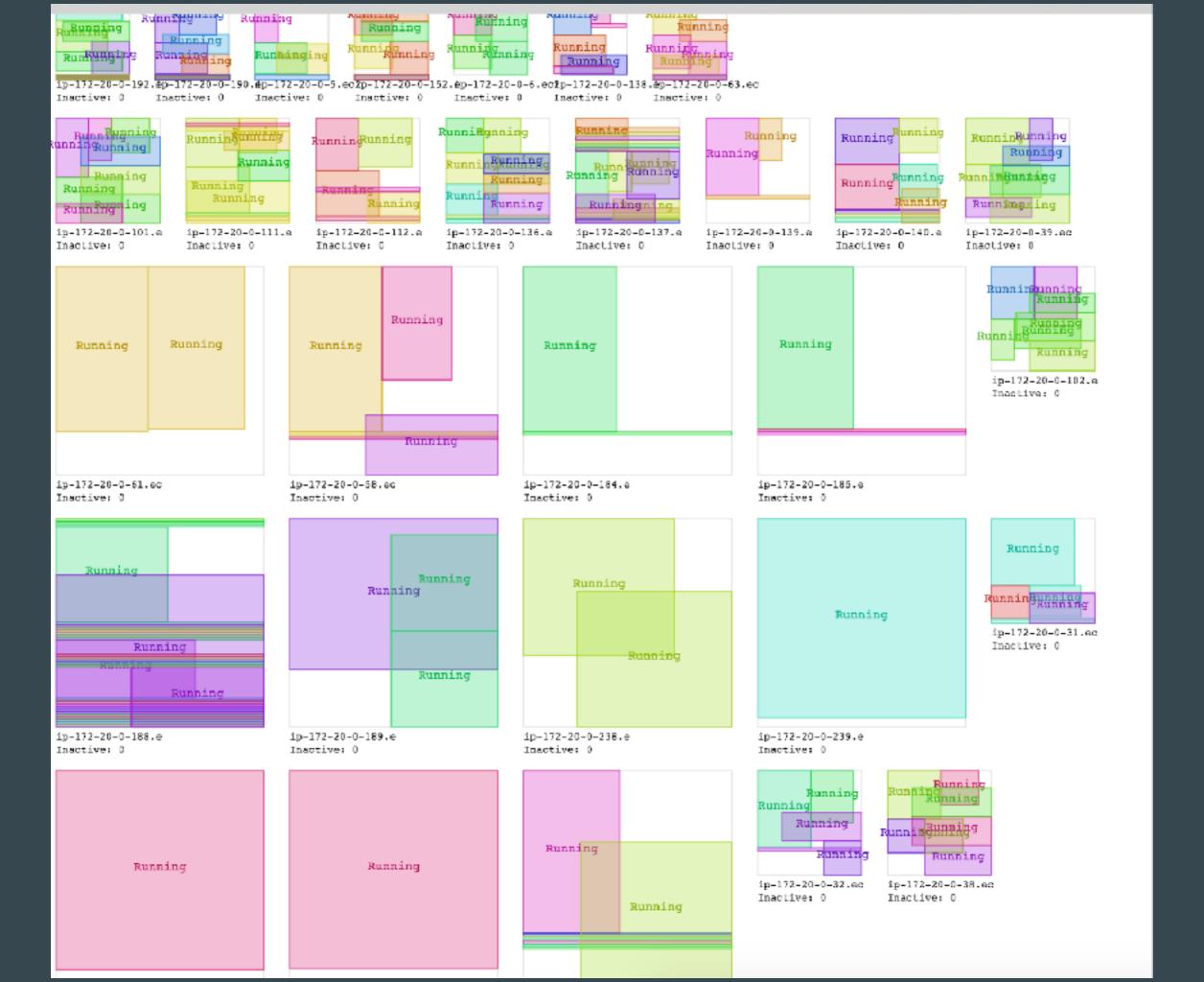
The Secret Sauce:

# How can you leverage Kubernetes in your organization to save big money?

- Container "Packing"







#### **Additional Points of Savings:**

Increase hardware usage predictability so you can plan further ahead:

- Reserved instances
- Purchasing contracts
- Increased data center space

Thanks for attending this session!

**Keeping Users & Your Bottom Line Happy:** 

Setting up a Multi-Million Dollar SaaS Service with Kubernetes

## **Contact Us**



github.com/supergiant



qbox.io



slack.supergiant.io



@qboxio

Mike Johnston

Senior Infrastructure Engineer mike@supergiant.io

@gopherstein

