Enterprise and Production Readiness

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Lesson Plan

Is Docker Ready

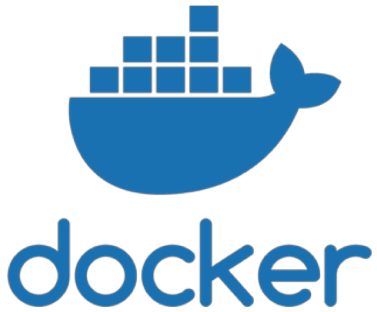
Is Kubernetes Ready

The Ecosystem

Docker

dotCloud

Docker



Docker

Community Edition (CE)

- Free
- Quick release cycle
- Edge channel (fun/scary stuff)

Enterprise Edition (EE)

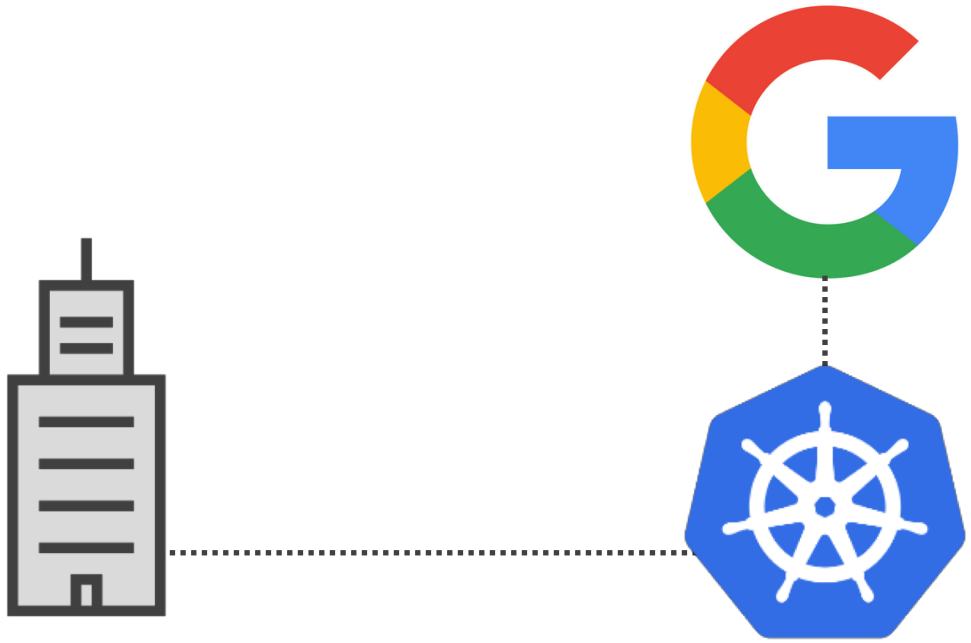
- Costs money
- Official support
- Patches
- Cautious release cycle
- Stability
- Extras
  - Enterprise web UI
  - Security features
  - AD/LDAP
  - Private registry
  - Policies
  - FIPS
  - Pipelines...

Kubernetes

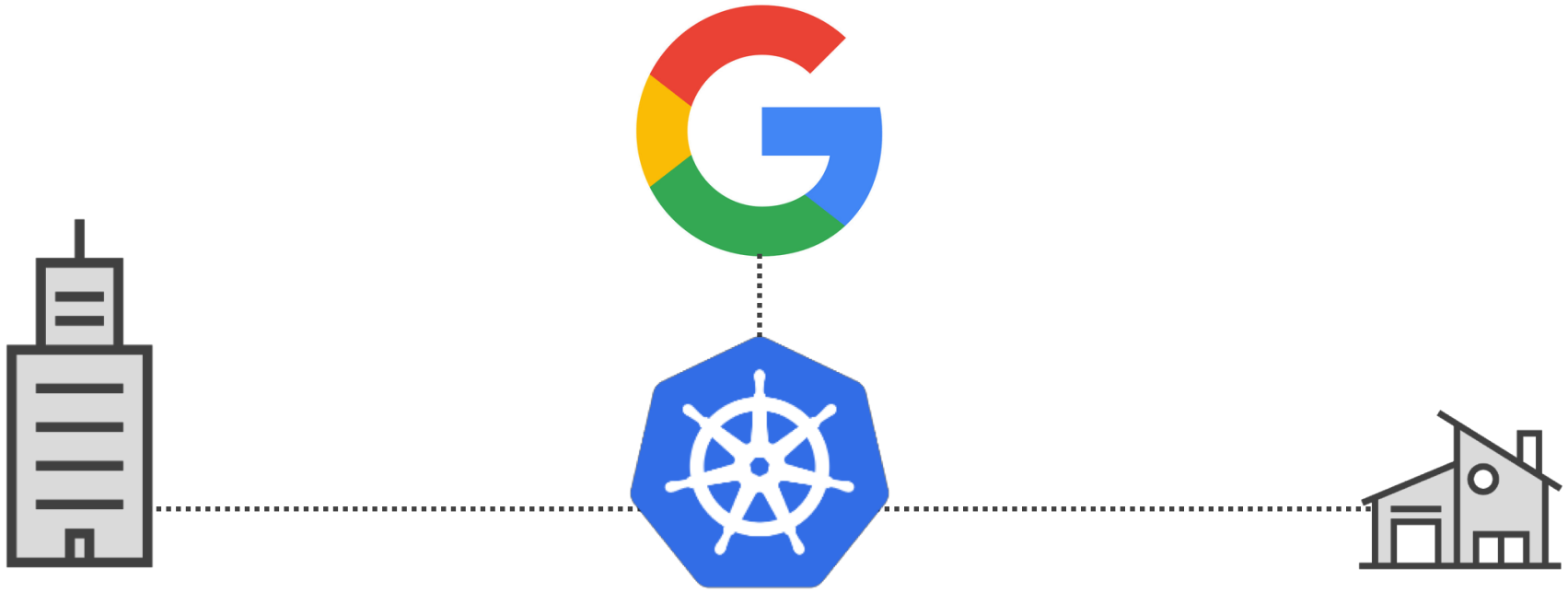
Kubernetes

Kubernetes

Kubernetes



Kubernetes



Kubernetes

Kubernetes

On Premises

- Build your own

Cloud

- Hosted (canned) options
  - AWS EKS
  - Azure AKS
  - Google GKE
- Build your own

Kubernetes

Is Huge!

Alpha

- Off by default
- Early code
- Uncertain future
- **Not for production**

Beta

- On by default
- Becoming stable
- Promising future
- Some details may change

GA

- Production ready*
- Solid future
- Stable
  - Code
  - Features

* Production readiness is ultimately your choice!

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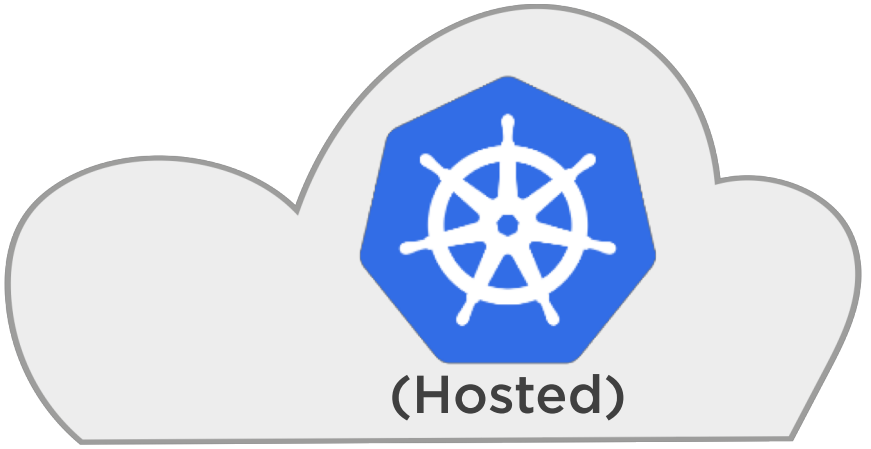
Kubernetes

Open-source

Lots of support from
large and small players!

Kubernetes



AWS Elastic Kubernetes Service
Azure Kubernetes Service
Google Kubernetes Engine
Others...

Ready to consume!

Ecosystem

Logging

Monitoring

Data

Automation

Networking

ML

Storage

Security

...

Ecosystem

Ecosystem

Perform your *due diligence*

Some great companies and products

Summary

Docker

Enterprise Edition (EE)

- Stability
- Steady releases
- Enterprise featureset

Kubernetes

Features go through well-defined stages

- Alpha
- Beta
- GA

Ecosystem

Thriving

Lots of products