Are Docker and Containers Ready for Production and the Enterprise

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Production worthiness and enterprise worthiness are **your** decision

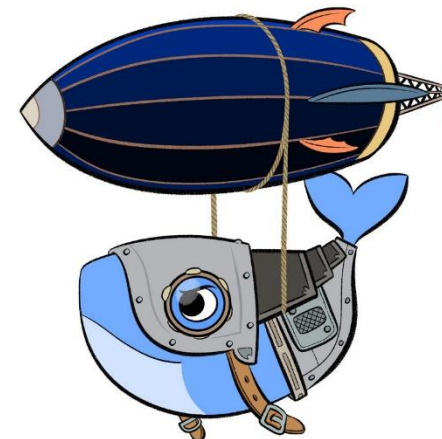This module will help you make that decision

Offerings from Docker Inc.

Docker Engine

Version 1.10 or higher

Three channels:

Experimental

Nightly releases, bleeding edge...

two months

orted

six months

Offerings from Docker Inc.

Docker Engine:
> Version 1.10
Three channels:
- **Experimental**
- **Stable**
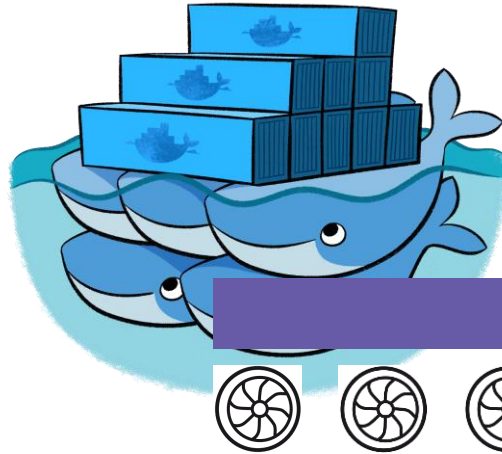- **Commercially Supported**

Swarm

Offerings from Docker Inc.

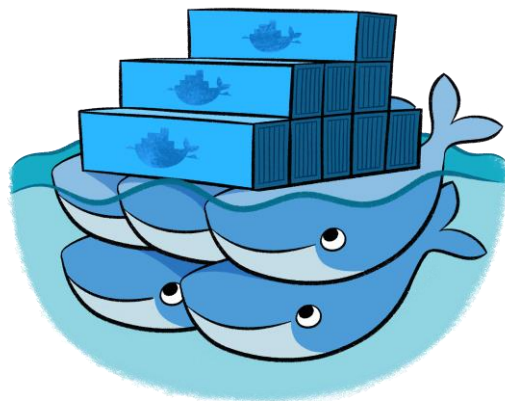**Docker Engine:**
> Version 1.10
Three channels:
- Experimental
- Stable
- Commercially Supported

Docker Swarm
Native Docker clustering

Swarm

Offerings from Docker Inc.

Docker Engine:
> Version 1.10
Three channels:
- **Experimental**
- **Stable**
- **Commercially Supported**

Docker Swarm
Native Docker clustering

Already reached version 1.0

Scales very well

Docker Content Trust

Verify content and publisher

Swarm

Offerings from Docker Inc.

Docker Engine:
    > Version 1.10
    Three channels:
      • **Experimental**
      • **Stable**
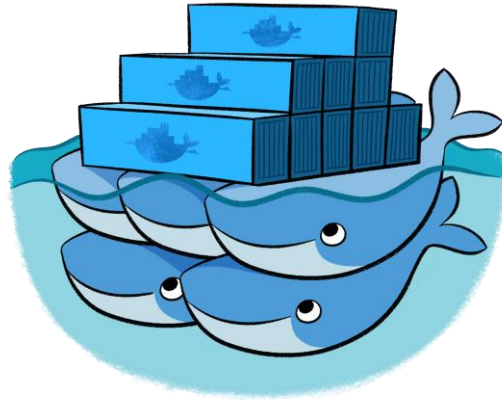   • **Commercially Supported**

Docker Swarm
    > Version 1.0+
    Scales well

Docker Content Trust
    Authenticate content

Docker Swarm
Native Docker clustering

Already reached version 1.0

Scales very well

Docker Content Trust

Verify content and publisher

Offerings from Docker Inc.

Docker Engine:
> Version 1.10
Three channels:
- Experimental
- Stable
- Commercially
  Supported

Docker Swarm
> Version 1.0+
Scales well

Docker Content Trust
Authenticate content

Docker Hub
- (ship to the cloud)

Docker Trusted Registry
- (ship on-prem)

Tutum
- (Deploy to the cloud)

Universal Control Plane
- (Deploy on-prem)

In the cloud
On Prem

Build

Engine

Swarm

etc.

Engine

Swarm

etc.

Ship

Docker Hub

Docker Trusted
Registry
(DTR)

Run

Tutum

etc.

Docker Universal
Control Plane
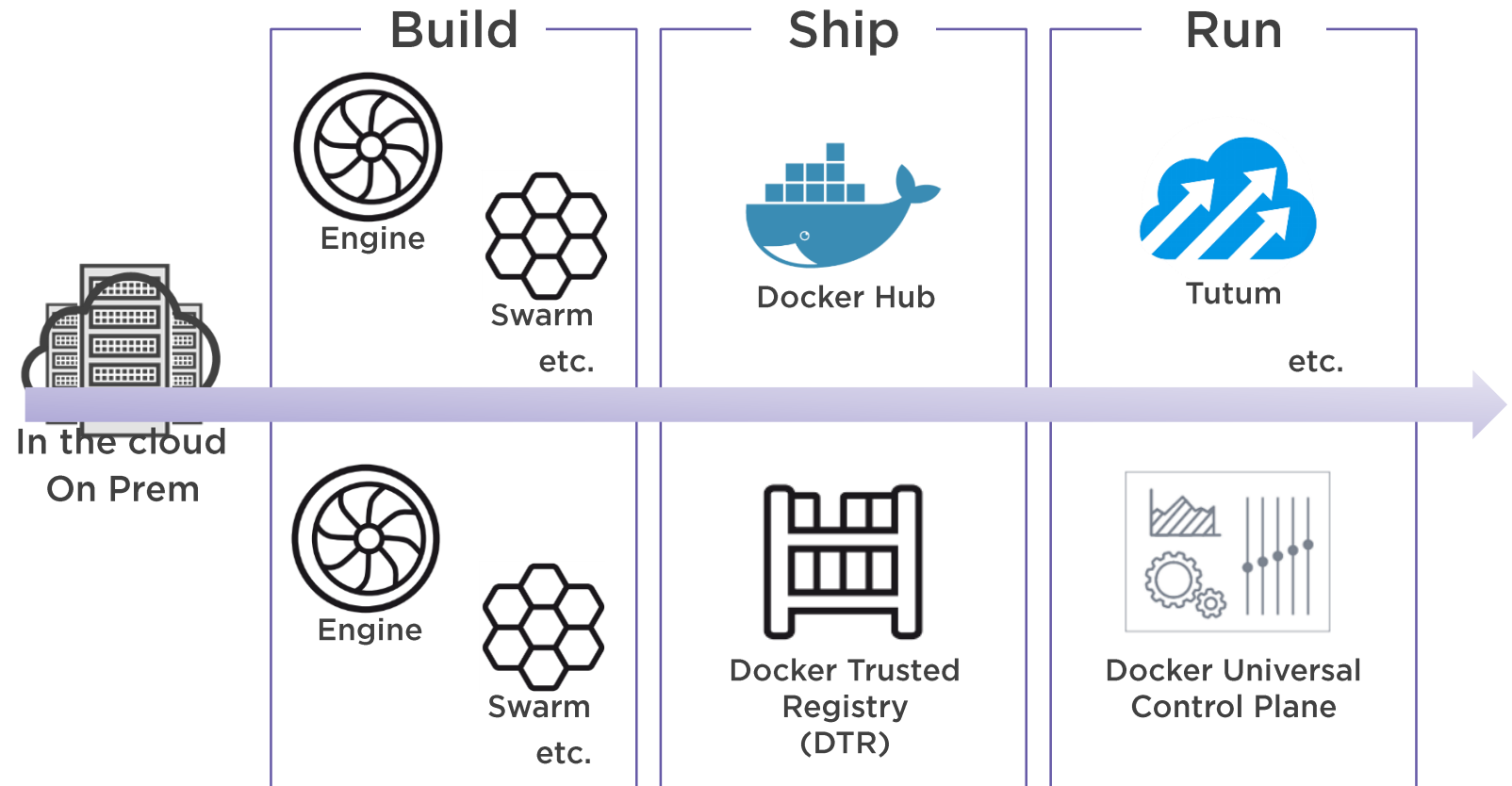
The Wider Ecosystem

Growing rapidly

Lots of startups

Established players

Summary

Docker Inc.

Docker Engine   Docker Machine   Docker Compose

Docker Swarm   Docker Trusted Registry   Docker Universal Control Plane

Many at version 1.0 and higher

Commercial support contracts

Tools for the cloud

Tools for on premises

Ecosystem

Startups:
- Portworx
- ClusterHQ
- Rancher
- Codenvy
- Weaveworks
- Sysdig
- hyper_
- Quay.io
- Twistlock
- Shippable
- CircleCI
- More...

Big names:
- IBM
- Microsoft
- HPE
- Dell
- VMware
- NetApp
- Red Hat
- Amazon Web Services
- Cisco
- Intel
- More...

Coming Up Next...

Container Orchestration