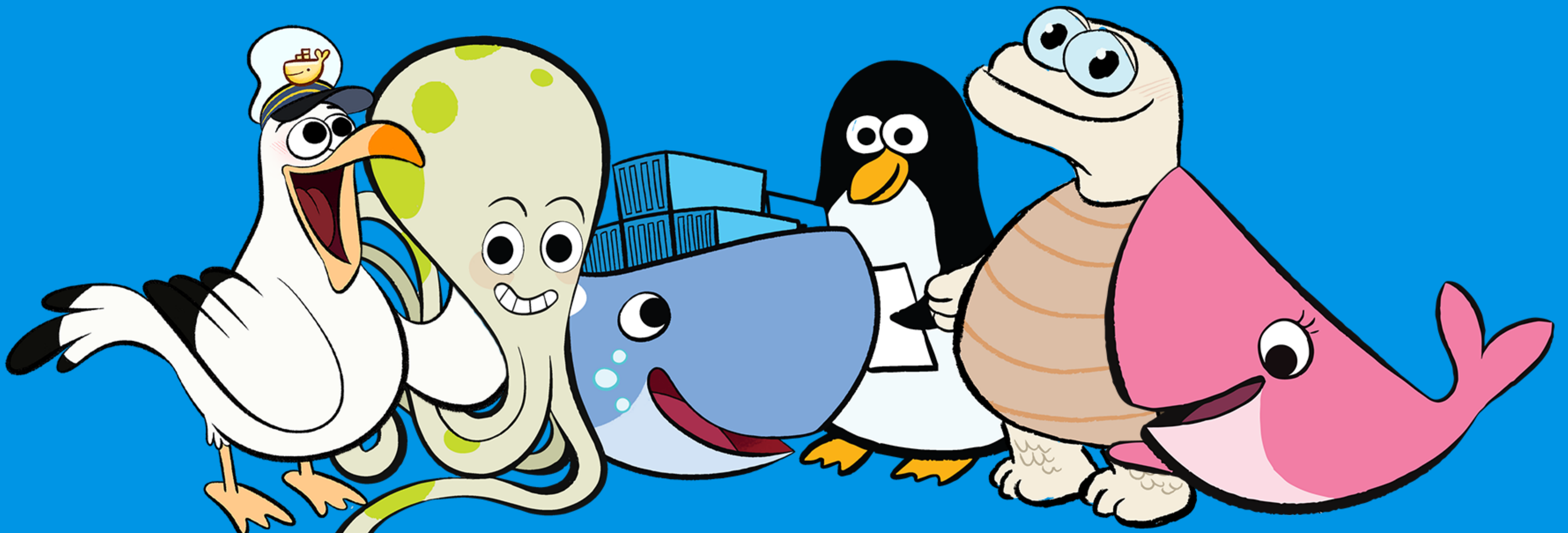


How Docker is Changing IT

5 YEARS CREATING AN INDUSTRY OF INNOVATION



**This is it. Containers are the next
once-in-a-decade shift in infrastructure
and process that make or break you.**

SAID BY ME. JUST NOW.

Let's Recap

MAJOR INFRASTRUCTURE SHIFTS



Mainframe to PC

90'S

Baremetal to Virtual

00'S

Datacenter to Cloud

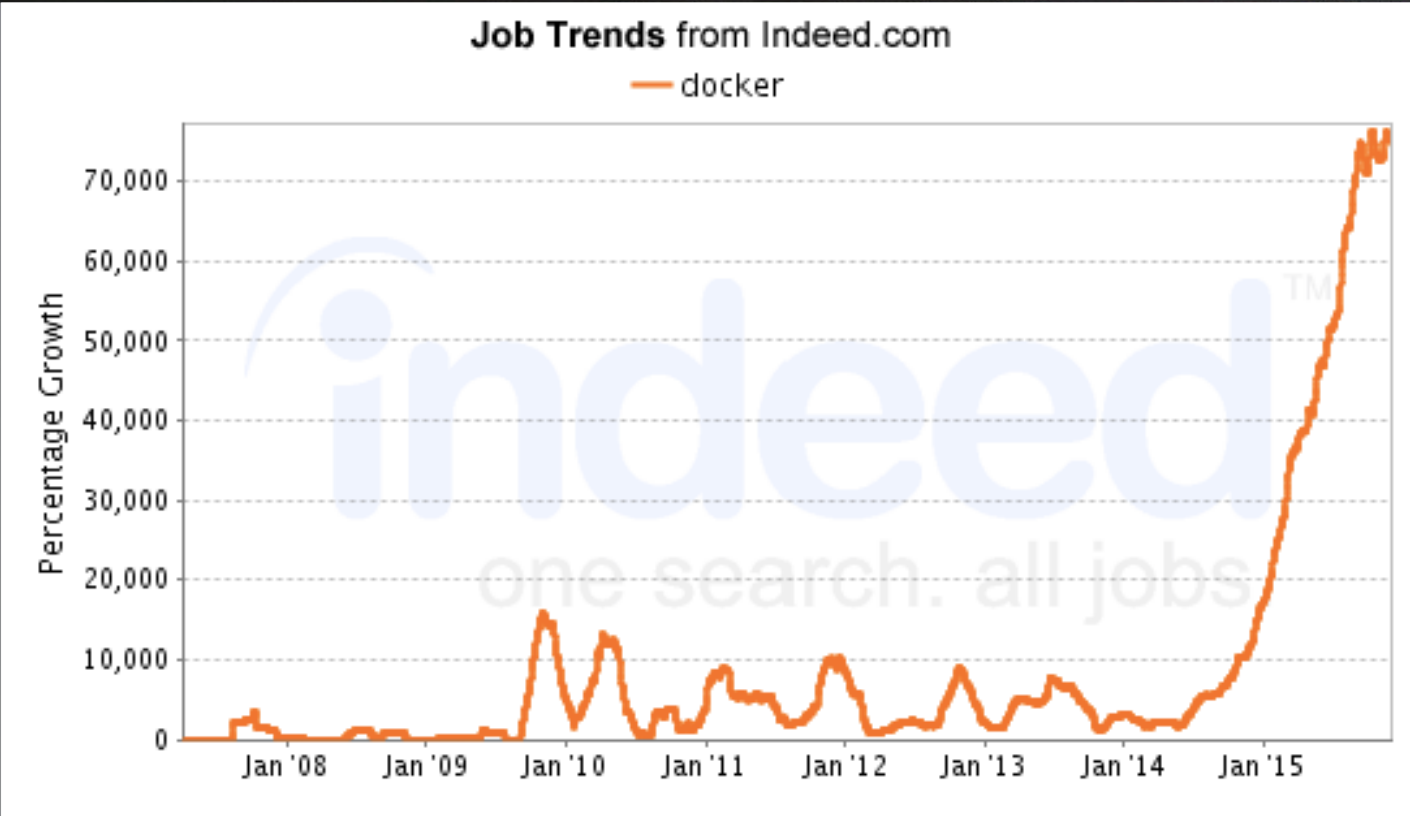
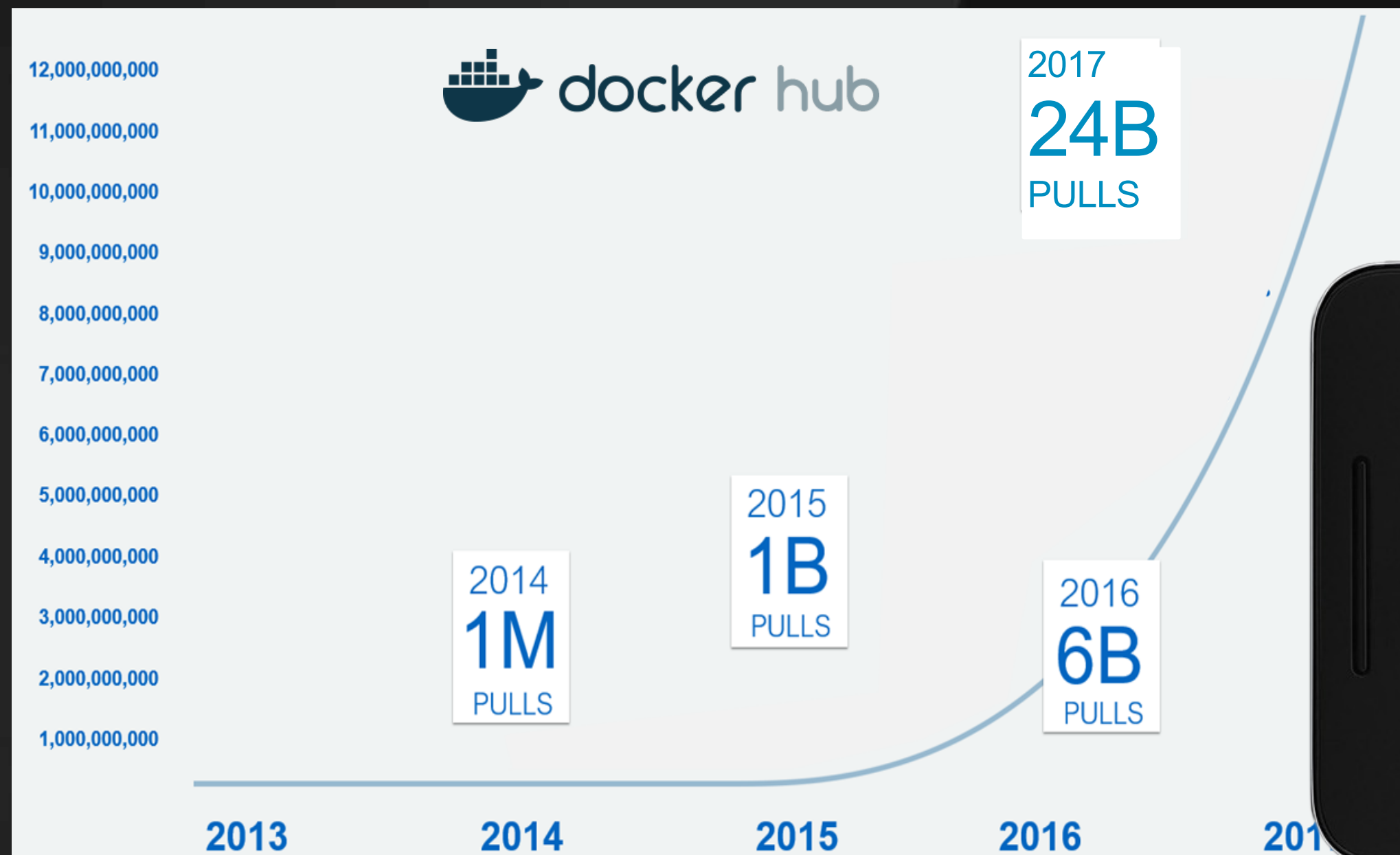
10'S

**Host to Container
(Serverless)**

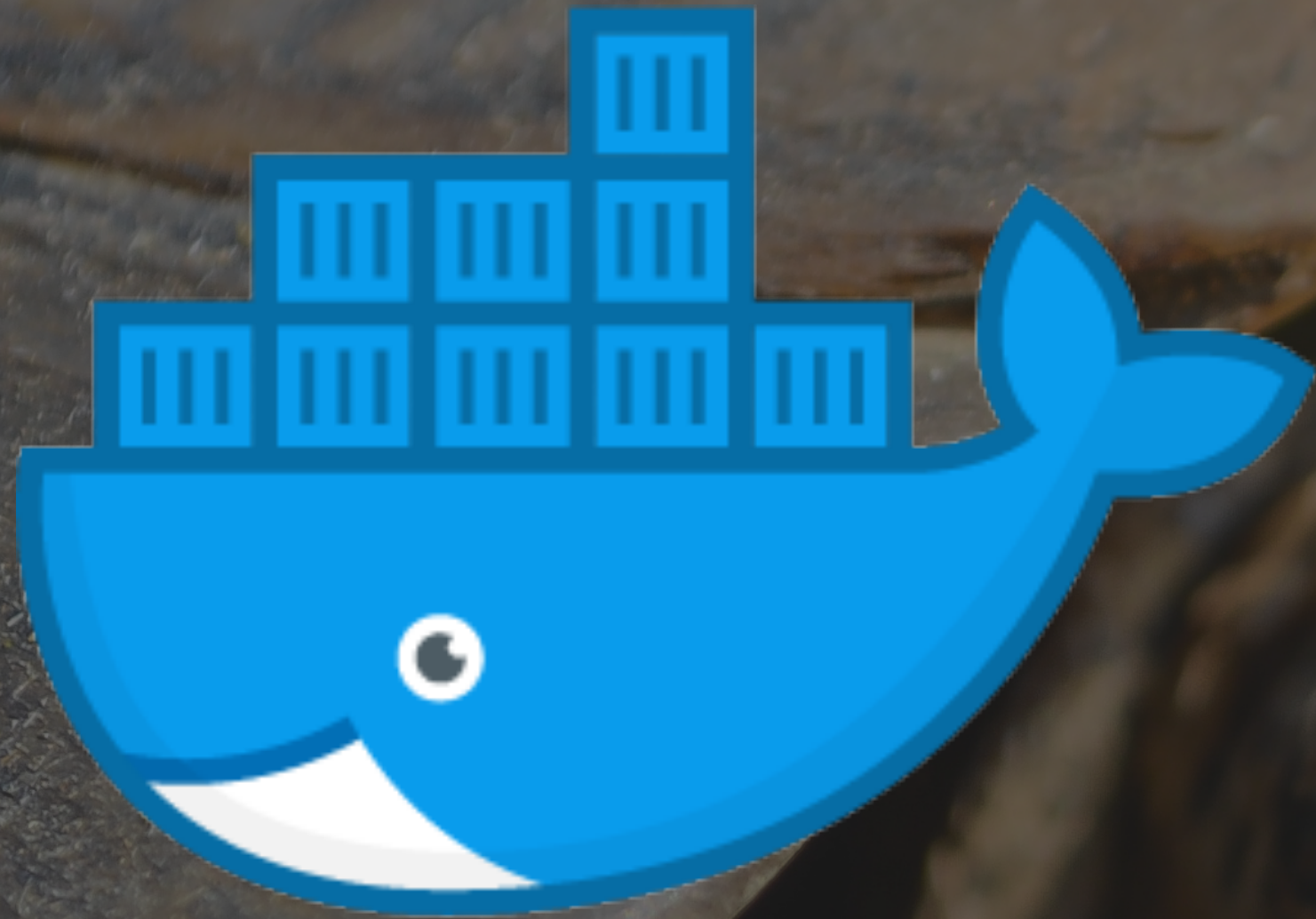
Virtuali keeps shifts, shifts, and docks together
for a seamless migration experience.

Containers are the “Fastest Growing Cloud Enabling Technology”

“By 2020, more than 50% of global organizations will be running containers in production.”
-Gartner



@docker



@gordonTheTurtle



What will Docker do for me?

Docker is all about speed.

Develop Faster.

Build Faster.



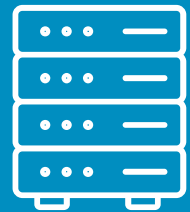

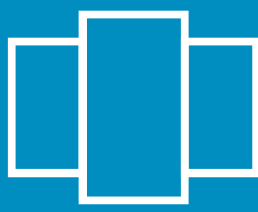



Test Faster.

Deploy Faster.

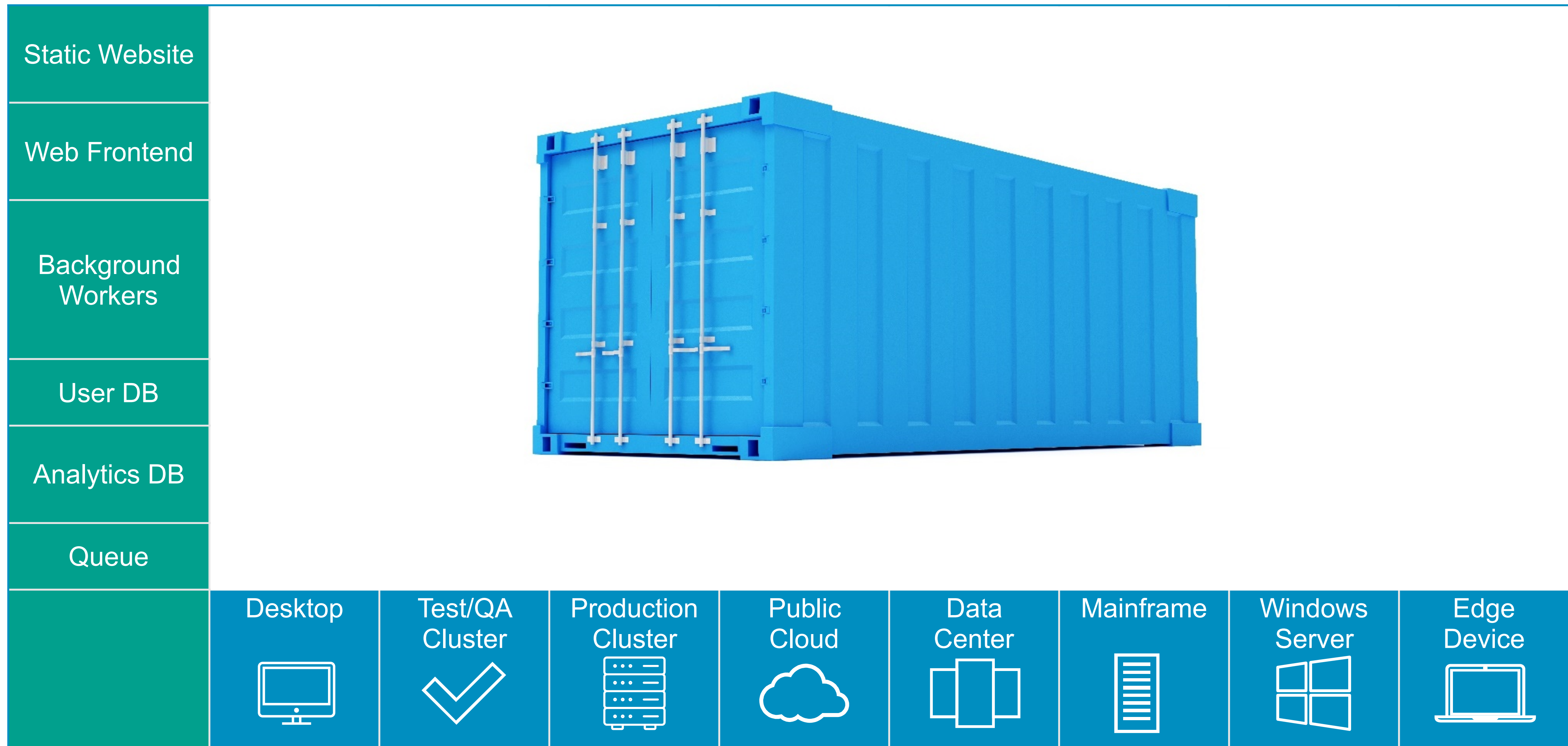
Update Faster.

Recover Faster.

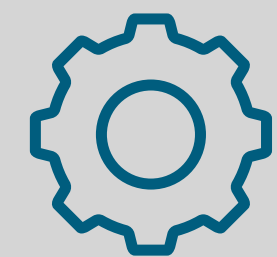
The “Matrix from Hell” Breeds Complexity

Static Website	?	?	?	?	?	?	?	?
Web Frontend	?	?	?	?	?	?	?	?
Background Workers	?	?	?	?	?	?	?	?
User DB	?	?	?	?	?	?	?	?
Analytics DB	?	?	?	?	?	?	?	?
Queue	?	?	?	?	?	?	?	?
	Desktop 	Test/QA Cluster 	Production Cluster 	Public Cloud 	Data Center 	Mainframe 	Windows Server 	Edge Device 

Containers Reduce Complexity



Maintenance and Complexity Drains Budgets, So Innovation Suffers



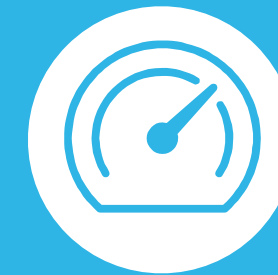
80%
MAINTENANCE



20%
INNOVATION



IT demands
increasing!



<20% server
utilization***



8+
IT Silos*



1000's
of apps

Stalled Initiatives

- Modernizing legacy apps
- Cloud migration
- Server consolidation
- Faster s/w time to market

60% of CIOs say
***“We’re behind in digital
transformation”*****




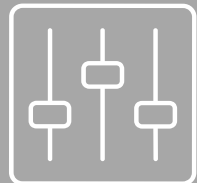
























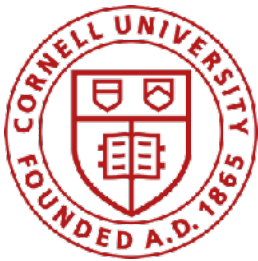

* Average number infrastructures in the enterprise (on-prem and cloud)

** Forrester, CIO and the emerging Digital Crisis, 2018

*** CloudPhysics, Global IT Data Lake Report, Q4, '16

Sources: IDC “The Cost of Retaining Aging IT Infrastructure”, RightScale 2017 State of the Cloud Report

500+ Build Their Containerization Strategy with Docker Enterprise Edition

 Oil & Gas / Energy	 Healthcare & Science	 Financial Services	 Tech	 Insurance	 Public Sector
   	   	   	   	   	    INDIANA UNIVERSITY



18 Month project
Migrated 700+ apps
Now 150,000 containers
50% dev productivity boost



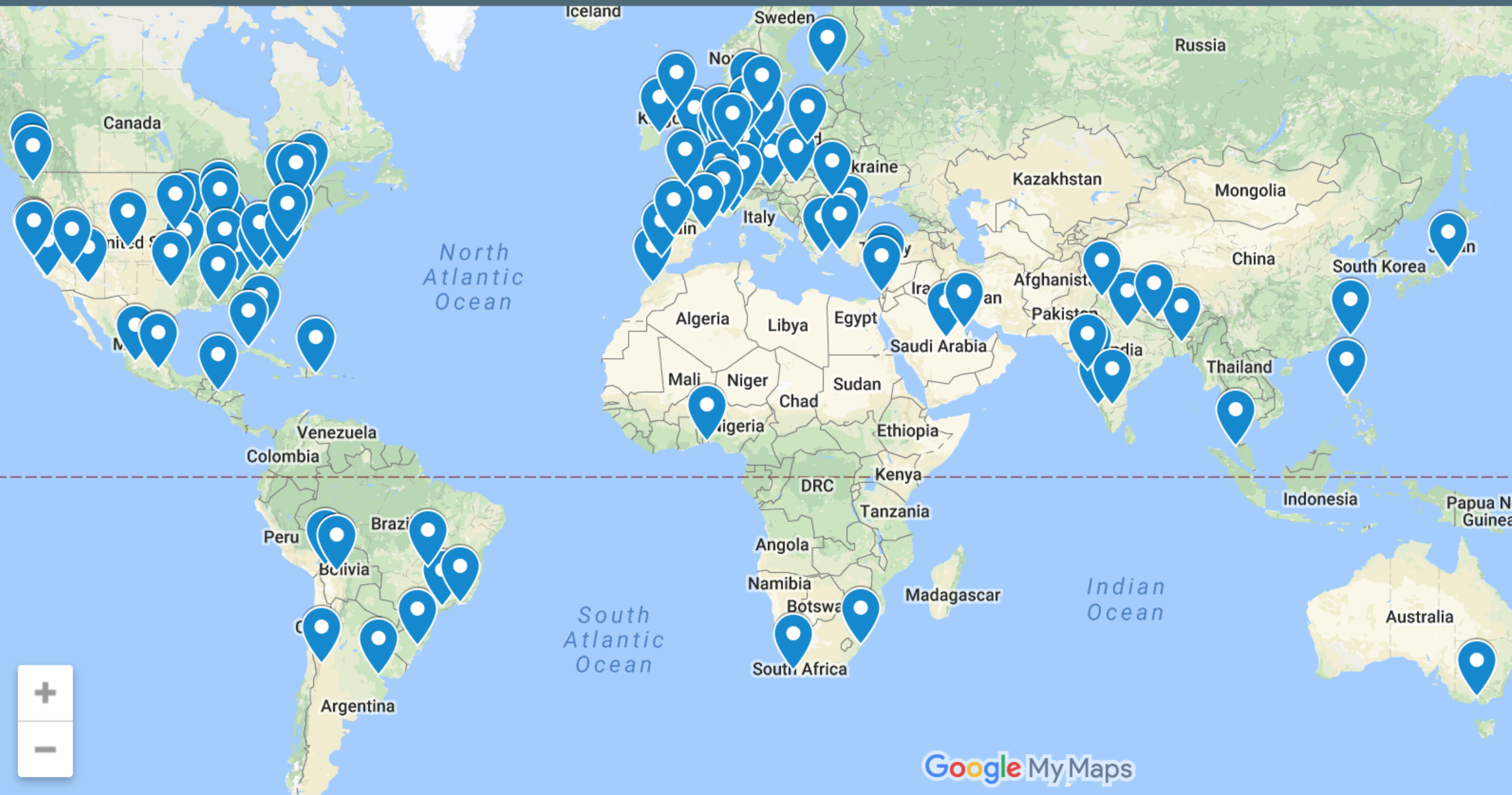
70% reduction in VM costs
67% fewer CPU's
10x average CPU utilization
66% cost reduction



docker



Docker Birthday #5





Cloud Native Landscape

v2.1

See the interactive landscape at landscape.cncf.io

Greyed logos are not open source

App Definition & Development

Database & Data Warehouse

Streaming

Source Code Management

Application Definition

Continuous Integration / Continuous Delivery (CI/CD)

Orchestration & Management

Scheduling & Orchestration

Coordination & Service Discovery

Service Management

Runtime

Cloud-Native Storage

Container Runtime

Cloud-Native Network

Provisioning

Host Management / Tooling

Infrastructure Automation

Container Registries

Secure Images

Key Management

Cloud

Public

Private

github.com/cncf/landscape

This landscape is intended as a map through the previously uncharted terrain of cloud native technologies. There are many routes to deploying a cloud native application, with CNCF Projects representing a particularly well-traveled path.

CLOUD NATIVE Landscape

CLOUD NATIVE COMPUTING FOUNDATION

Redpoint Amplify PARTNERS

Platforms

Observability & Analysis

Monitoring

Logging

Tracing

Serverless

See the separate serverless landscape

Kubernetes Certified Service Provider

Special