欧米でもKubernetesの技術動向、業界動向、そして標準化動向のアップデート

## コンテナ技術動向

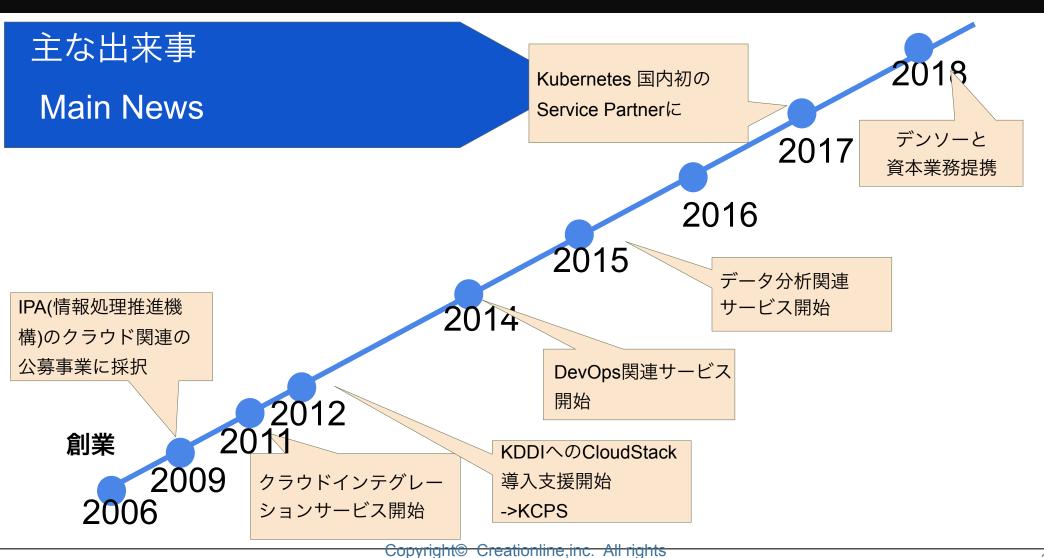
クリエーションライン(株) CSO (Chief Strategy Officer)

鈴木いっぺい



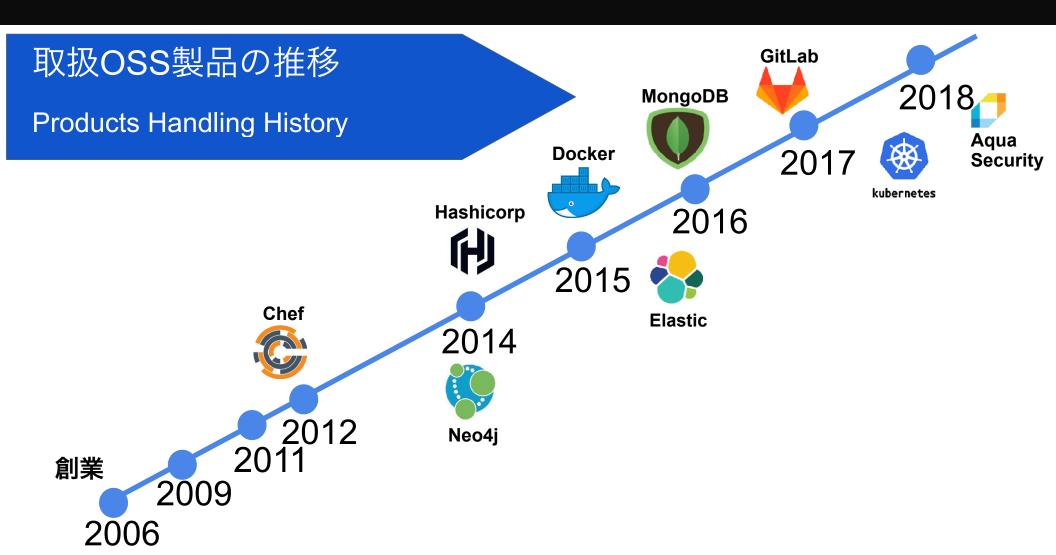
資本金:215,572,000円(資本準備金を含む)

従業員数:130名(業務委託/契約社員含む)



reserved.

ď









Only 1 in Japan





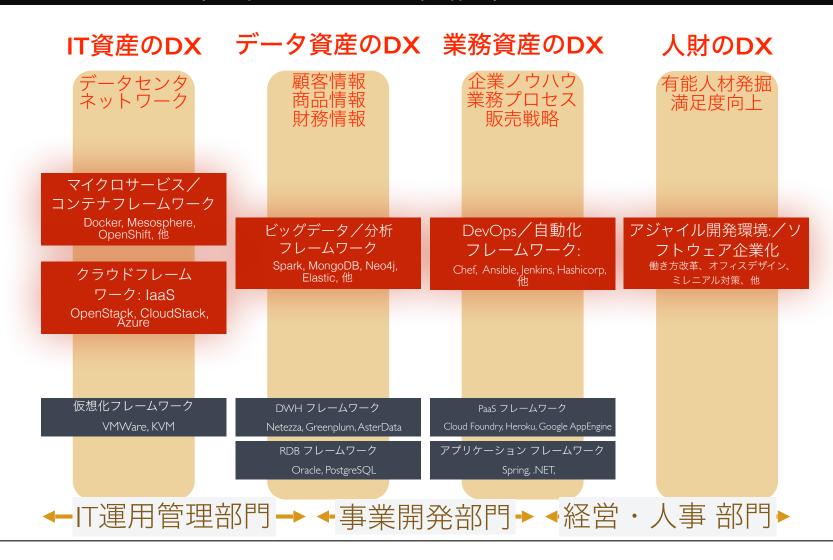


### **Kubernetes Certification**

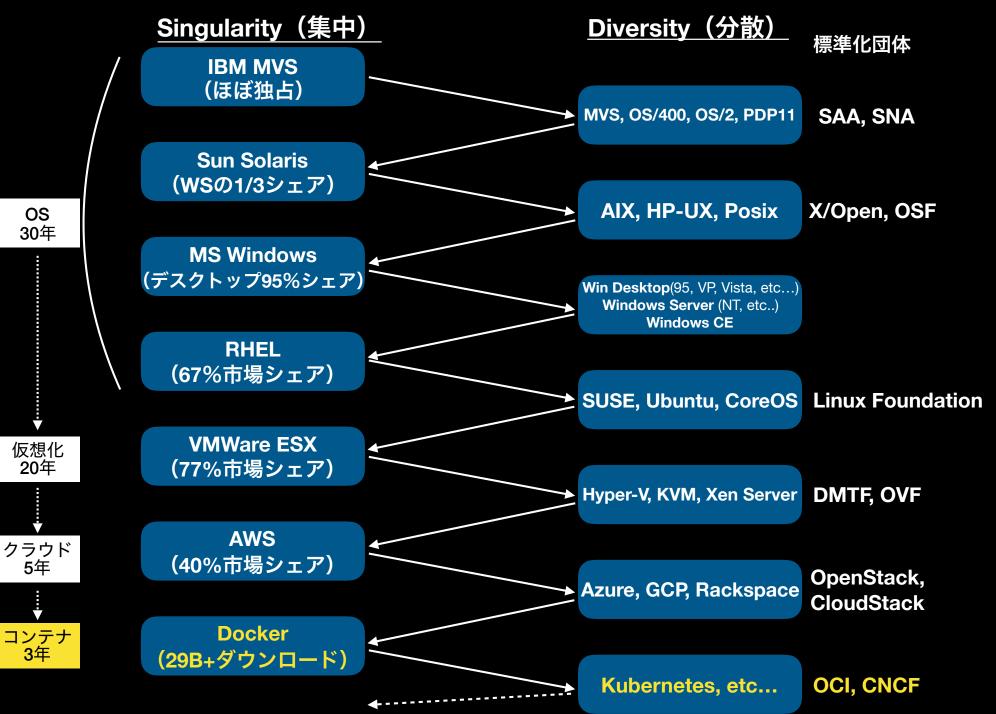


日本国内で唯一Kubernetes Certified Service ProviderとKubernetes
Training Partner を所有する事業会社です。

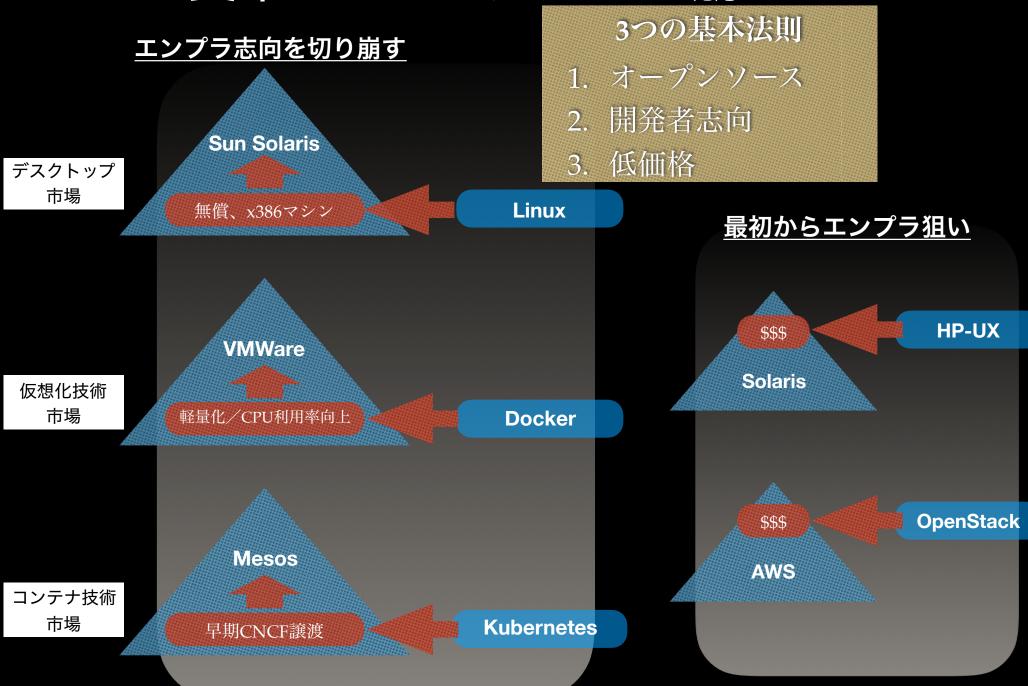
#### クリエーションラインの取り組む、4つのDX戦略の柱



## 分散と集中の歴史



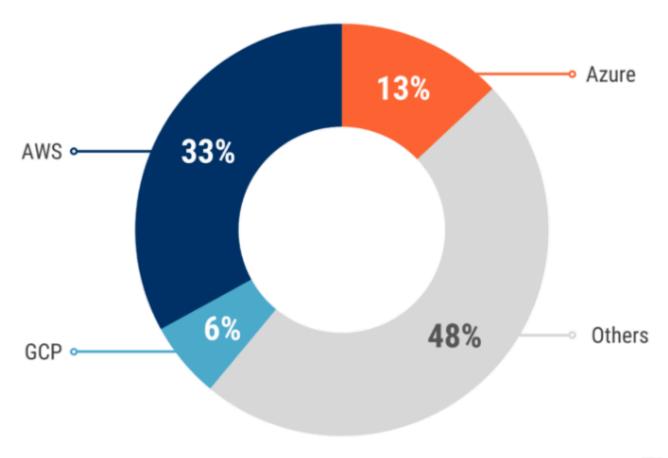
## 変革はいつも底辺から崩れる



## AMAZON EFFECT

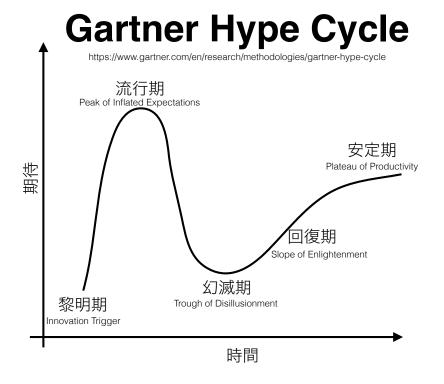
### AWS maintains 1/3 of all laaS & PaaS market share

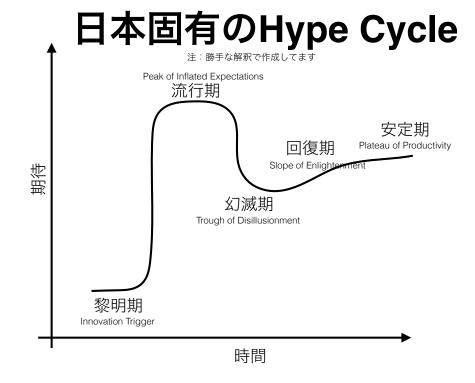
Estimates as of April 27th, 2018



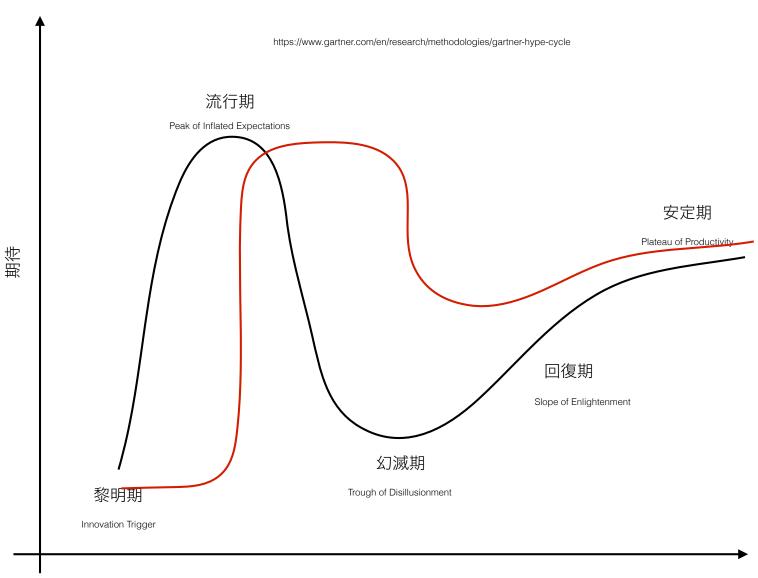
Source: Synergy Research

**CBINSIGHTS** 





## **Gartner Hype Cycle**



# Datadog社による コンテナ運用の実態調査



- $\equiv$
- Datadog社が提供す<mark>る様々なイ</mark>ンフラ/ミドルウェアを対象とした関しサービスから収集したデータを集計、分析、業界でのコンテナ技術の動向をまとめる
- 対象となるのは、数千社の企業、5億個以上のコンテナ
- 対象企業はスタートアップからFortune1000系企業にわたるが、いずれもソフトウェアへの投資は顕著で、パブリッククラウドの導入も比較的進んでいる企業

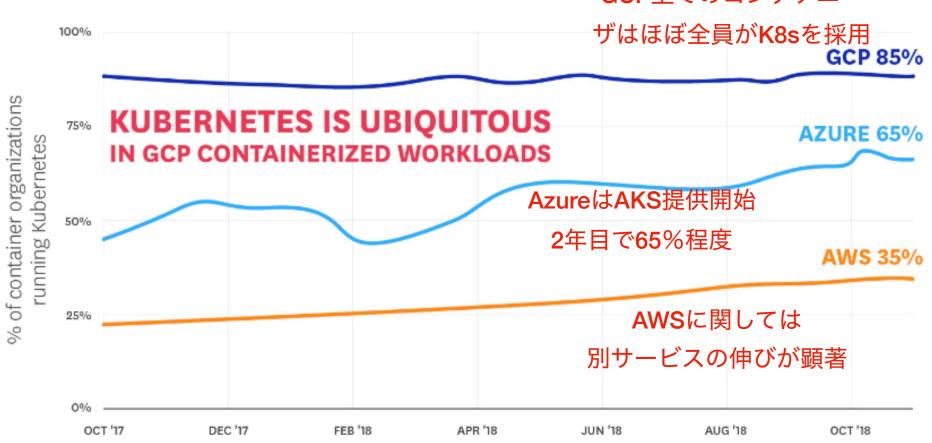
## 8 EMERGING TRENDS IN

CONTAINER ORCHESTRATION

# KubernetesはGCPとAKSのコンテナユーザの大部分のオーケストレーション機能として採用される

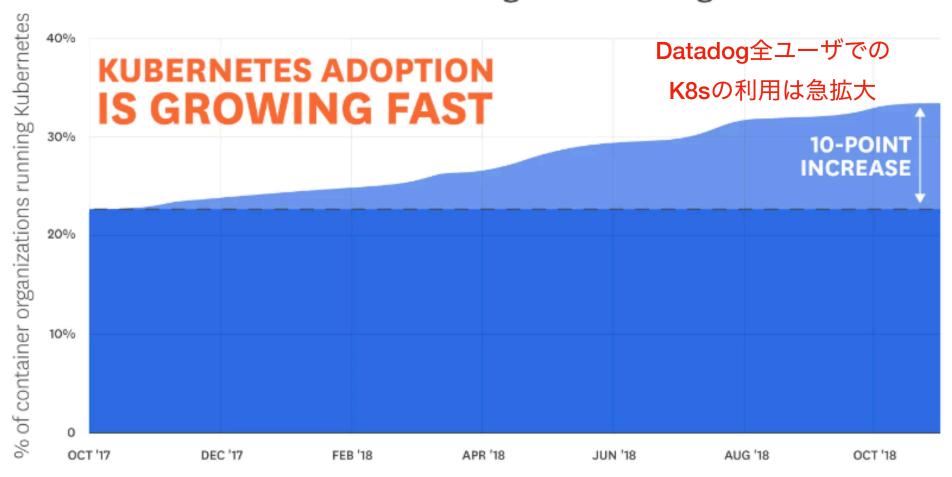
### Kubernetes Usage by Container Organizations

GCP上でのコンテナユー



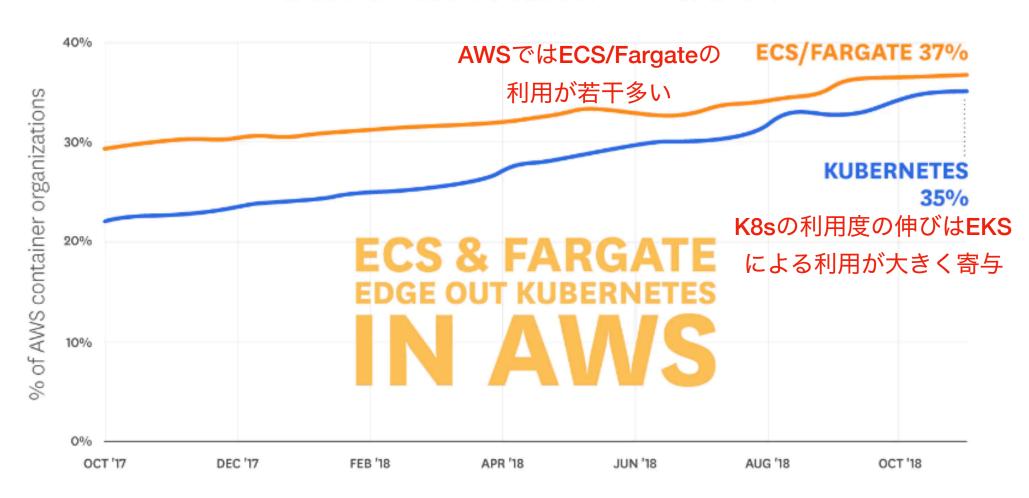
# Kubernetes利用者は グローバルに着実に増加中

**Kubernetes Share Among Container Organizations** 



# AWSにおいて、ECSとはわずかに Kubernetes利用者より多い状況

### Share of AWS Container Environments



# この調査の面白いところ

- 実ユーザの承認をほぼ得ずとも、**精度の高い**、実態調査を広範囲に収集可能
- クラウド上での市場全体のかなり詳細な利用実態、特にベストプラクティスを知ることができる
- クラウドサービスもこの利用実態に基づいて、的確に サービスの品質向上を標準的、かつ迅速に提供可能

オンプレミスではもはや不可能

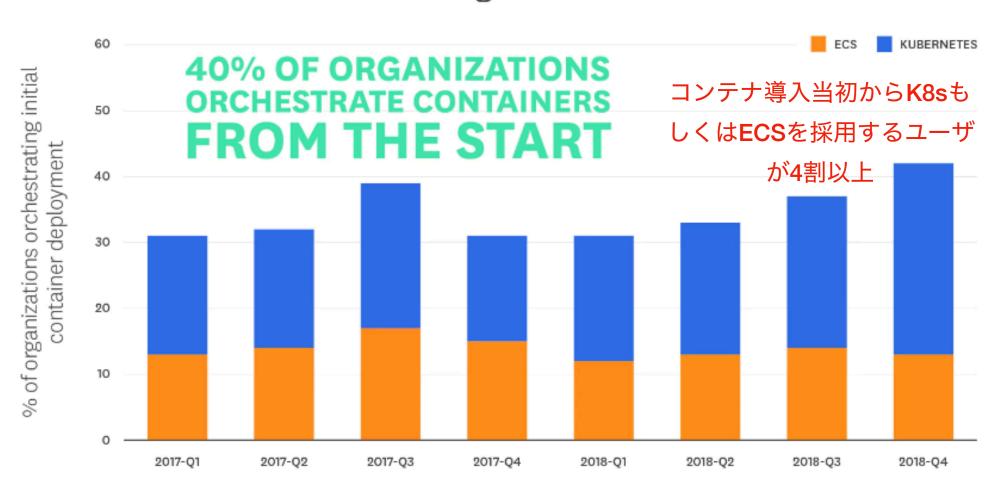
# FargateはすでにAWSのコンテナ 環境の6%で利用されている

Fargate Share Among AWS Container Organizations



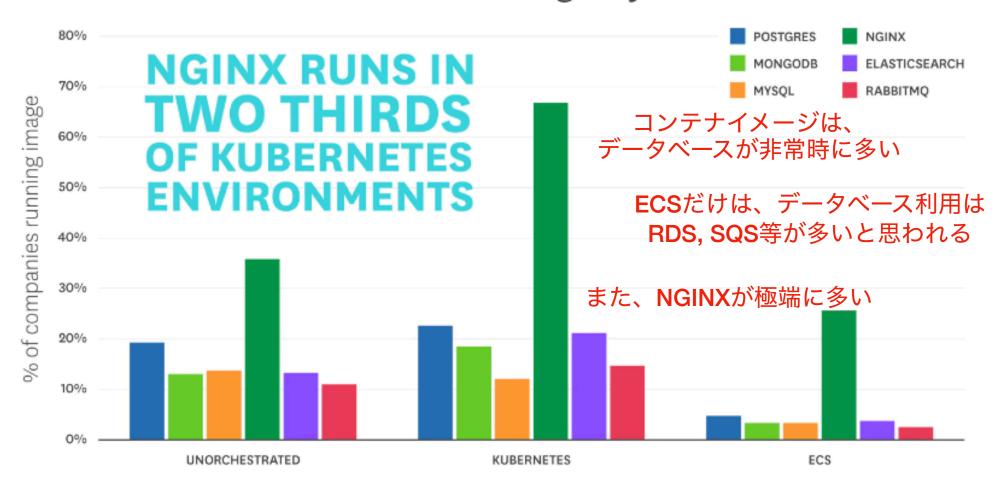
## コンテナ導入の初期からオーケスト レーションを採用するユーザが増加中

### Orchestration Usage at Initial Container Rollout



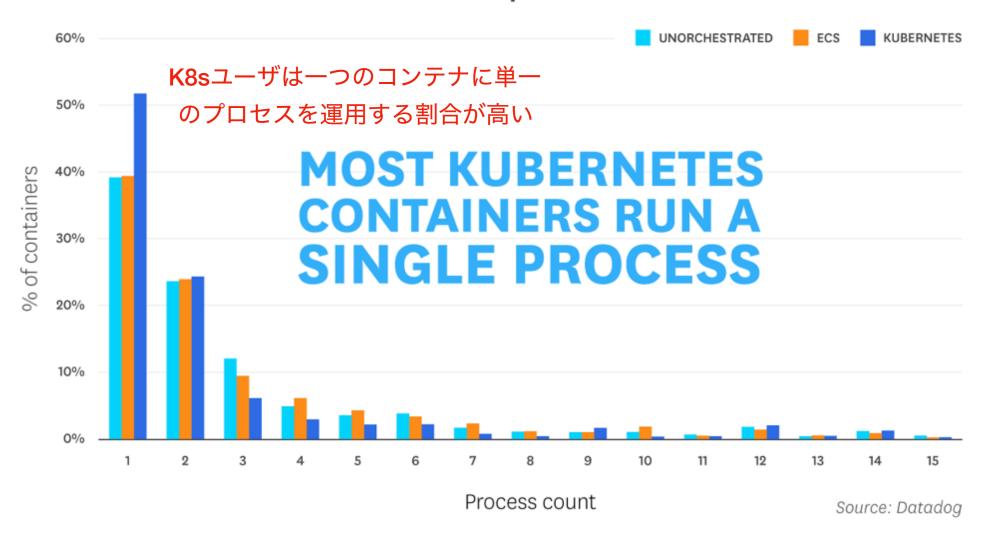
## Kubernetesで最も使われるイメージはNGINXで、 追随するデータベースエンジンを大きく引き離す

### Common Container Images by Orchestrator



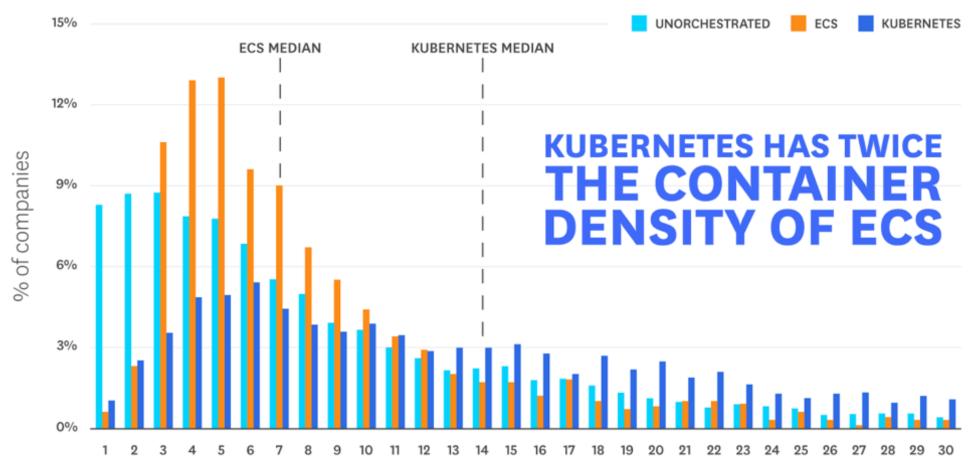
# Kubernetesコンテナの大部分 はシングルプロセス

### **Processes per Container**



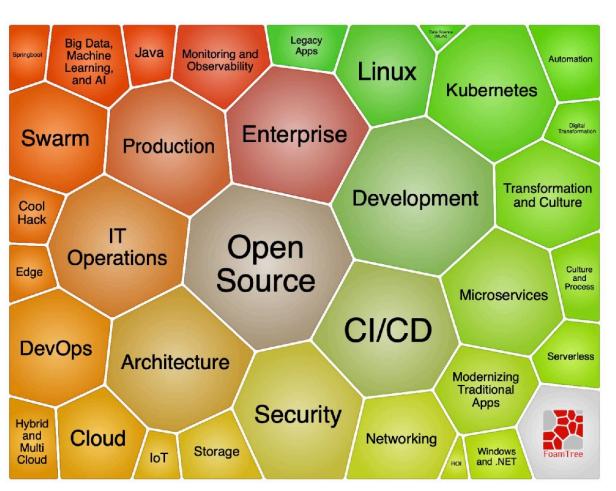
# Kubernetes上のホストはECS上のホストより倍の数のコンテナを保有

K8sクラスターはECSの倍以上の コンテナをホスト上で運用 Containers per Host





# DockerCon 2019のセッション 要約全体から抽出したFoamTree図



- 明らかに開発者が中心の世界
- OS/クラウドレイヤー固有の話題がほと んど無い。
- ハイブリッドクラウドの話題も弱い
- Open Sourceを中核の話題とするセッションが多く、それを構成するキーワードのバランスがまぁまぁ良い(CI/CD, Security, IT Operations, etc...)
- SwarmとK8sが未だ同格の扱い(2018年 はK8s一色だったのに。。)
  - Citizens Bankの事例ではSwarmに戻った経験を紹介
- あれだけ強く打ち出してたMTAの話題が 弱くなってる

# containerd: Docker開発のランタイム エンジンとしてdefactoのポジションに

- CNCFから「卒業」
- グローバル企業の5割がコンテナ技術を プロダクション環境で使う、と宣言して いる。
- ソフトウェア開発の標準技術としてコンテナはその地位を確立



## Dockerの利用実績

## Dockerの普及を示す数字

44.1M

1.7M

5.6M

105.2B

Docker Engine ∅ のべ数

Docker Desktop 開発者の 毎月の増加数

アプリケーションコンテナイメージ の数

のプル数



RightScale\* **STATE OF THE CLOUD REPORT** 

from Flexera

As Cloud Use Grows, Organizations Focus on Cloud Costs and Governance

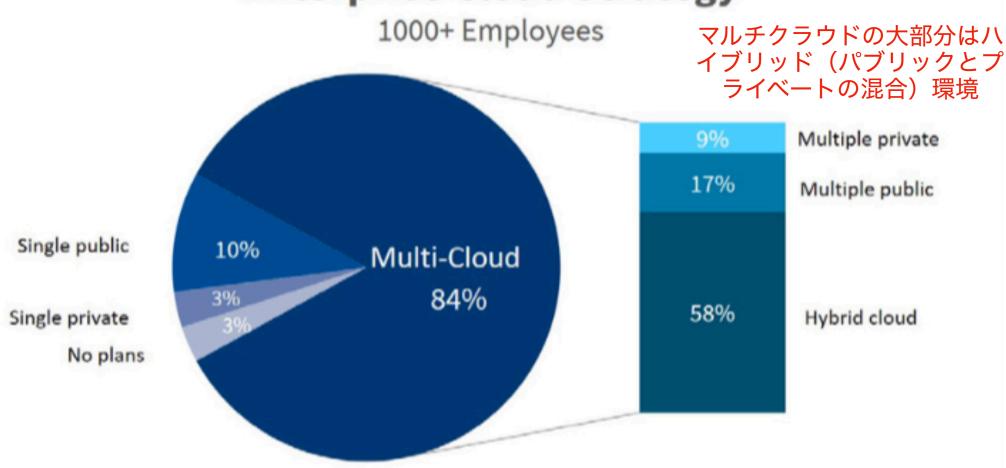
RightScale (Flexera)
2019 State of the Cloud Report

2019/06/05 鈴木いっぺい



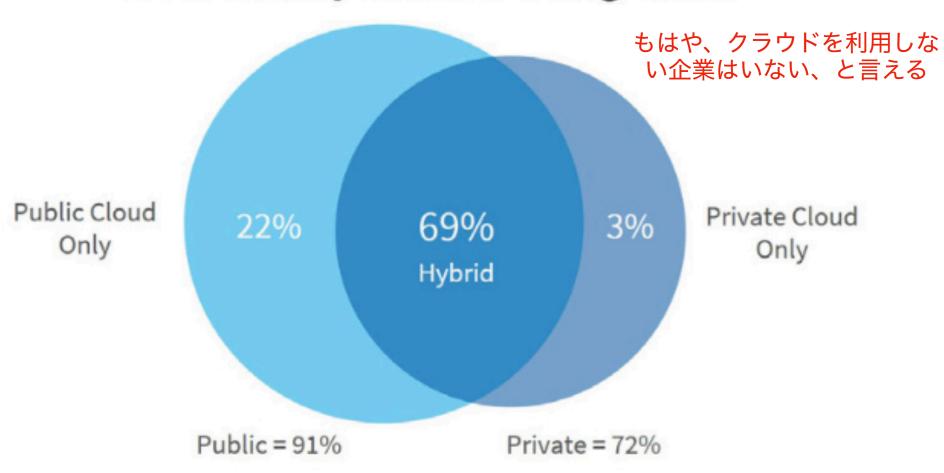
# エンタプライズ企業の84%は マルチクラウド戦略を持っている

## **Enterprise Cloud Strategy**



# 回答者の94%はクラウド利用

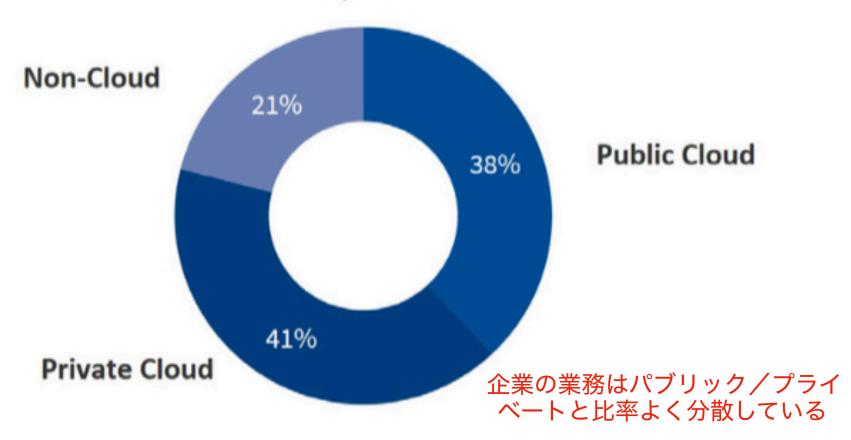
### 94% of Respondents Using Cloud



# パブリック/プライベート の内訳

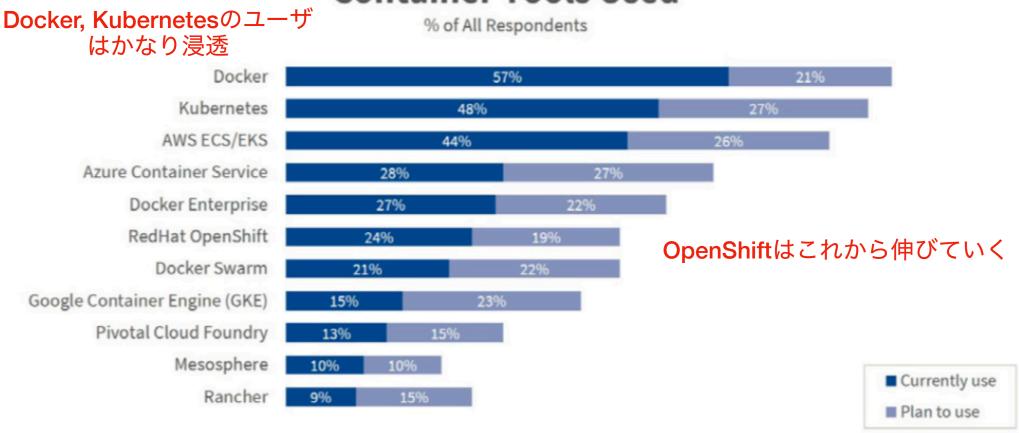
### **Workloads in Cloud**

All respondents



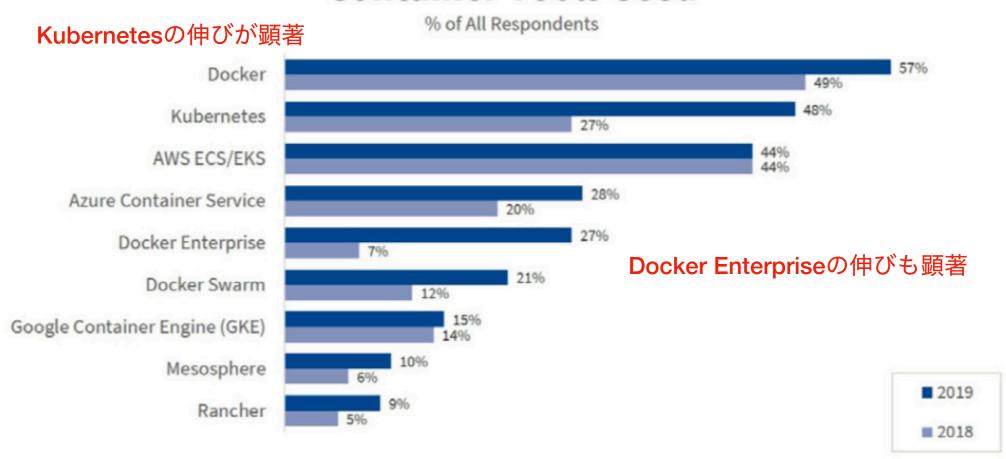
# コンテナ利用は広範囲に、 Kubernetesも急上昇 (1)

### **Container Tools Used**



# コンテナ利用は広範囲に、 Kubernetesも急上昇 (2)

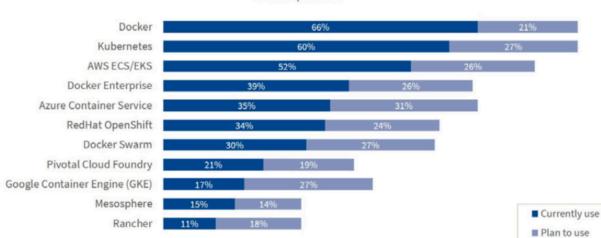
### **Container Tools Used**



# コンテナ利用は広範囲に、 Kubernetesも急上昇 (3)

#### **Container Tools Used - Enterprise**

% of Respondents

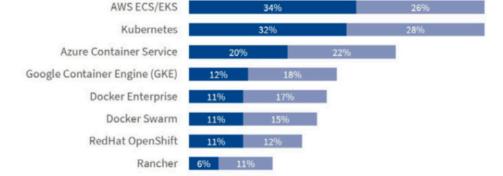


EnterpriseでのOpenShiftは 伸びが顕著

#### Container Tools Used - SMB

% of Respondents

45%



Docker

Pivotal Cloud Foundry

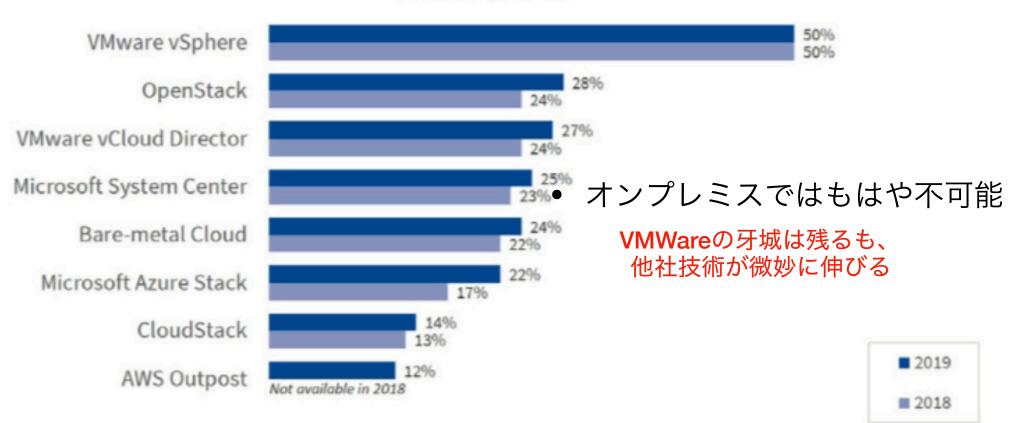
SMBではクラウドネイティブ が浸透

> ■ Currently use ■ Plan to use

# プライベートクラウド市場はゆっくりと上昇

### **Private Cloud Adoption**

% of All Respondents









kubecon.io

# **Announcing Kubernetes Forums**

- <a href="https://www.cncf.io/blog/2019/07/31/announcing-kubernetes-summits-seoul-and-sydney-expanding-cloud-native-engagement-across-the-globe/">https://www.cncf.io/blog/2019/07/31/announcing-kubernetes-summits-seoul-and-sydney-expanding-cloud-native-engagement-across-the-globe/</a>
- Kubernetes Forum <u>Seoul</u> Dec 9-10 & <u>Sydney</u> 12-13
- (We launched as Kubernetes Summits but are rebranding this week to avoid confusion with the Kubernetes Contributor Summit)
- <u>CFP</u> Closes Sep 6; <u>sponsorships</u> open





# **Upcoming Kubernetes Forum Locations**

Announced and open for sponsorships:

- December 9-10, 2019 <u>Kubernetes Forum Seoul</u>
- December 12-13, 2019 <u>Kubernetes Forum Sydney</u>

## <u>Prospectus now available!</u>

Reach out to <a href="mailto:sponsor@cncf.io">sponsor@cncf.io</a> to reserve your booth and co-lo! Coming in 2020:

- January 2020: São Paulo and Mexico City
- Bengaluru and Delhi
- Tokyo and Singapore
- Tel Aviv
- Seoul and Sydney again

# Project and Day 0 Co-Located Events

- CNCF is helping to organize 7 project-specific events:
  - Helm Summit (Amsterdam, September 11-12, sponsorship deadline is 8/12)
  - PromCon (Munich, November 7-8, sponsorship deadline is 10/4)
  - EnvoyCon (sponsorship deadline is 9/20)
  - ServiceMeshCon (CFP closes 8/30, sponsorship deadline is 9/20)
  - Observability Practitioners Summit (CFP closes 8/30, sponsorship deadline is 9/20)
  - FoundationDB Summit (CFP closes 8/9, sponsorship deadline is 9/20)
  - Cloud Native Security Day (sponsorship deadline is 9/20)
- The latter 5 are KubeCon + CloudNativeCon Day 0 co-located events, taking place in San Diego on November 18.
- Please review our <u>Sponsorship Prospectus</u>
- Please follow up to <a href="mailto:sponsor@cncf.io">sponsor@cncf.io</a> or <a href="mailto:schedule.acall">schedule.acall</a> with Kathy Osweiler to discuss sponsorship opportunities.

# Membership



## **New CNCF Members**

### 29 Silver Members





cnvrg.io



















































# 2 Silver End User **Members**





# 2 Nonprofit Members





# 12 End User Supporter



















Includes 2 non-public Silver and 3 nonpublic EUS

### 450+ Members and Growing











**Platinum Members** 



























#### **Gold Members**































Academic/



#### **End User Members**

























**End User** 





































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FORMS Granular Psystems | Ia Mobilière | Way | MAMBU | Mobilière | Mobilière | Masdaq | Methoder | Methoder







INTERNET.







































## 450+ Members and Growing (Silver 1)

















































































BUOYANT



















CHEF















































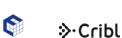
























































































## 450+ Members and Growing (Silver 2)

















































































































































































































## 450+ Members and Growing (Silver 3)







































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OINIU



















































































































**X**/EXXHOST







wallarm

























Volterra EDGE SERVICES







**4** Walmart Labs



wancleuds







windmill engineering























### 103 Companies in the End User Community



























































































































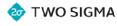








































# 103 KCSP Partners, 10 new from last meeting







































































































































































































# Training & Certification



# **Training**

- Introduction to Kubernetes (LFS158 on edX): 83,000+ enrollments
- (Kubernetes Fundamentals (LFS258): 9,100+ enrollments
- Kubernetes for Developers (LFD259): 2,000+ enrollments

All courses are updated periodically

- LFS158, LFS258 and LFD259 are all on v1.14
- LFS258 and LFD259 will be updated to V1.15 in August

セルフ型のトレーニング:日本国内で提供開始

1

# 30 KTPs, up 8 from last meeting

# 日本国内で提供 (もちろん日本語で)





























































# **Certification Updates - CKA**

Certified Kubernetes Administrator (CKA)

- 9,349 exam registrations (up from 8,141 last month)
- Quarterly exam updates are planned to match Kubernetes releases;
   CKA exam is currently live on v1.15 (as of 8/1)
- CKA-CN-TC exam is now available in China at 16 city Test Centers with inperson Proctors
- CKA curriculum is published here: <a href="https://github.com/cncf/curriculum">https://github.com/cncf/curriculum</a>
- Digital Badges are now available for courses and exams! <a href="https://">https://</a>
   <a href="https://">training.linuxfoundation.org/announcements/New-digital-badges-now-available-for-courses-and-exams/</a>
- NEW Exam Developer badge for contributing SMEs exposed to exam content during development and therefore not eligible to be certified



# **Certification Updates - CKAD**

Certified Kubernetes Application Developer (CKAD)

- 3,507 exam registrations (up from 2,626 last month)
- Quarterly exam updates are planned to match Kubernetes releases;
   CKAD exam is currently live on v1.15 (as of 8/1)
- CKAD Curriculum is published here: <a href="https://github.com/cncf/curriculum">https://github.com/cncf/curriculum</a>
- Digital Badges are now available for courses and exams! <a href="https://training.linuxfoundation.org/announcements/New-digital-badges-now-available-for-courses-and-exams/">https://training.linuxfoundation.org/announcements/New-digital-badges-now-available-for-courses-and-exams/</a>
- NEW Exam Developer badge for contributing SMEs exposed to exam content during development and therefore not eligible to be certified

# PR / AR

Email pr@cncf.io for followup



# KubeCon + CloudNativeCon + OSS China 2019

#### **Announcements**

Cloud Native Computing Foundation Welcomes Ant Financial as Gold End User Member

Cloud Native Computing Foundation Announces DiDi as Winner of Top End User Award

TOC Approves CNCF SIGs and Creates Security and Storage SIGs

#### **Non-Chinese Event Coverage Highlights**

- Container Journal: CNCF to Expand Scope of SIGs
- <u>Container Journal</u>: Graphical Tool for Deploying Kubernetes Gets Certified
- <u>Converge Network Digest</u>: Cloud Native Computing momentum continues to build
- DevClass: It's all stability and extensibility for Kubernetes 1.15
- SiliconANGLE: Linux Foundation aims for global unification through open-source
- <u>SmarterMSP</u>: Open source community flexes edge computing muscle
- The New Stack: How to Build Open Source Sustainability
- <u>The New Stack</u>: How PingCAP's TikV Is Set to Process Transactions from China's 800 Million Internet Shoppers
- The New Stack: Context: KubeCon + CloudNativeCon + Open Source Summit China 2019





[#KubeCon + #CloudNativeCon + #OSS China News] Cloud Native Computing Foundation Announces @DidiChuxing as Winner of Top End User Award bit.ly/2LdsdCA



Cloud Native Computing Foundation Annou... Leading transportation platform recognized for its contributions to open source big data and artificial intelligence technologies SHANGHAI, CHINA – cncf.io

C) 6 5:08 AM - Jun 24, 2019

- 0

# **Kubernetes 5th Birthday - Coverage Highlights**

- GeekWire: <u>Kubernetes at 5: Joe Beda, Brendan Burns, and Craig McLuckie on its past, future, and the true value of open source</u>
- Business Insider: 5 years ago, Google gave away a cloud-computing project. Now people love it so much they're celebrating its anniversary in Spain.
- Container Journal: <u>Key Considerations in Container Adoption</u>
- SD TImes: <u>Kubernetes celebrates its fifth birthday, reflecting on its massive growth</u>
- Software Engineering Daily: <u>Kubernetes Development with Tim Hockin</u>
- @IT Markit: <u>Kubernetes who became 5 years old, from now on "play in Linux like role"</u>
- Forbes: <u>5 Exciting Facts About Kubernetes On The Eve Of Its 5th Anniversary</u>
- SiliconANGLE: Q&A: <u>As Kubernetes celebrates five years, contributors weigh in on the ecosystem</u>
- Computer Weekly: <u>How Kubernetes</u>' fifth year is leading to a shift in enterprise IT
- Computable: <u>Kubernetes embraced en masse</u>
- GeekWire: The creators of Kubernetes to discuss its past and future at GeekWire's 3rd annual Cloud Summit











# **June/July Announcements**

- Apple Joins Cloud Native Computing Foundation as Platinum End User Member (June 11)
- Cloud Native Computing Foundation Welcomes Ant Financial as Gold End User Member (June 24)
- <u>TOC Approves CNCF SIGs and Creates Security and Storage SIGs</u> (June 24)
- Cloud Native Computing Foundation Announces DiDi as Winner of Top End User Award (June 25)
- The Cloud Native Computing Foundation Announces the Kubernetes Certified Service Providers
   Program Has Reached 100 Participants (July 9)
- <u>CNCF Meetups Are Now Happening in More than 200 Locations</u> (July 18)
- Announcing Kubernetes Summits Seoul and Sydney: Expanding Cloud Native Engagement Across the Globe (July 31)

# June/July PR Activity + Coverage Highlights

Notable Media/Analyst Coverage (outside of KubeCon China + K8s birthday)

- TechCrunch: Apple Joins the Open-Source Cloud Native Computing Foundation
- InfoQ: <u>Harbor 1.8 Includes OIDC Integration and Replication Enhancements</u>
- FierceTelecom: Apple signs up as a platinum member of Cloud Native Computing Foundation
- ITOpsTimes: <u>Kubernetes 1.15 focuses on continuous improvement</u>
- The New Stack: <u>Kubernetes 1.15 Aims to Extensibility with Custom Resource Definition Features</u>
- The New Stack: <u>How to Build Open Source Sustainability</u>
- The New Stack: Leadership and Inclusion in the Open Source Community
- Channel Futures: Kubernetes 1.15 Release Gets Refinements to Ease Business Use
- Container Journal: <u>Kubernetes 1.15 Adds to API Kitty</u>
- The New Stack: NATS 2.0: Like Containers for Messaging













TechCrunch

# **Diversity Scholarship Blog Series!**

From Networking in Copenhagen to a Lightning Talk in Shanghai

Experiencing KubeCon + CloudNativeCon + Open Source Summit in Shanghai

<u>KubeCon + CloudNativeCon EU 2019</u>

My KubeCon & CloudNativeCon Europe Experience 2019

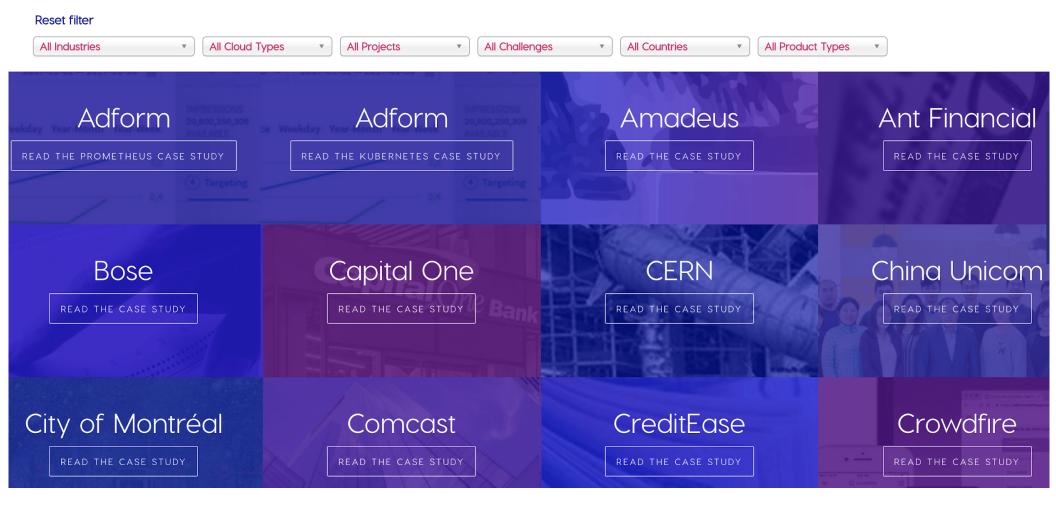


# **July Analyst Coverage Highlights**

- IDC: Kubernetes at Five An Inflection Point for Kubernetes, Sriram Subramanian
  - Explains and analyzes the main topics presented during the KubeCon + CloudNativeCon Europe conference held on May 20-23 in Barcelona, Spain.
- Gartner: <u>Hype Cycle for Software as a Service, 2019</u>, <u>Jay Heiser</u>, <u>John Santoro</u>
- Gartner: Hype Cycle for Enterprise Networking, 2019, Andrew Lerner, Danellie Young
- Gartner: Hype Cycle for Infrastructure Strategies, 2019, Philip Dawson, Nathan Hill
- Gartner: <u>Define and Understand New Cloud Terms to Succeed in the New Cloud Era</u>, <u>David Smith</u> | <u>Daryl Plummer</u>
- Forrester: <u>The Forrester Wave™</u>: <u>Application Modernization And Migration Services</u>, <u>Q3 2019</u>, <u>Bill Martorelli</u>
- 451 Research: <u>The cloud industry must embrace complexity to survive</u>, <u>Owen Rogers</u>, <u>Melanie Posey</u>
- IDC: Worldwide Public Cloud Infrastructure as a Service Market Shares, 2018: Leaders' Growth
   Drives up Overall Market Growth, Deepak Mohan
- ISG ISG Provider Lens™ Private/Hybrid Cloud Data Center Services & Solutions U.S. 2019 Managed Containers as a Service, Shashanke Rajmane

# Faceted Search for End User Case Studies

Filter the list of case studies:



# **Updated Design - End User Case Studies**



Bose: Supporting Rapid Development for Millions of IoT Products With Kubernetes

#### Challenge

A household manner in right-quality quade equipment, bose has othered connected products for more than time years, and as that demand grew, the infrastructure had to change to support in "We needed to provide a mechanism for developers to racidly cracingly and deploy services at the very to production pretty fast," sore based Cloud Engineer Job! West. In 2016 the company accided to start building a delifern from scraots. The primary qual, "To be one to two steps chead of the different product groups so that we are never scrambling to catch up with their scraot," says Cloud Architecture Manager Upon Offschory.

#### Solution

The team decided to adopt Kubernetes for its socied for Parlform-as-as-Service numbring on AWS. The platform, which also incorporated Prometheus monitoring, Jourched in production in 2017, serving over 3 million connected products from the get-ga. Base has since adopted a number of other CKKF technologies, neutring Neutron (AcVET betanologies, neutring Neutron).

#### Impact

With about 100 engineers onbounded, the clothorm is now enabling 30,000 non-production peptigrients across discers of microservices per year in 1908, fere were 1500-production deployments. Just one production subten hands (3,000 nonespaces and 400 overlien posses, 1400 abord new services belien from concept through occining and deployment all the way to production, including handering, security testing and so forth, in less than two and a half weeks? Servi OMORIORIE.

INDUSTRY
Consumer Electronics

LOCATION United States

CLOUD TYPE

CHALLENGES Scaling, Velocity

PRODUCT TYPE

CNCEPT TO CUSTOMER VALUE In 25 weeks

CNCEPT TO CUSTOMER VALUE 1,250+ in 2018

Watch Video

Watch Video

Watch Video

Watch Video

Concept To Customer Value 1,250+ in 2018

Launched platform with over 3 million connected Bose speakers

A household name in high-quality audio equipment, Bose has offered connected products for more than five years, and as that demand grew, the infrastructure had to change to support it.

"We needed to provide a mechanism for developers to rapidly prototype and deploy services all the way to production pretty fast," says Lead Cloud Engineer Josh West. "There were a lot of cloud capabilities we wanted to provide to support our audio equipment and experiences."

In 2016, the company decided to start building an IoT platform from scratch. The primary goal: "To be one to two steps ahead of the different product groups so that we are never scrambling to catch up with their scale," says Cloud Architecture Manager Dylan O'Mahony. "If they release a new connected product, we want to be already well ahead of being able to handle whatever scale that they're going to throw at us."

From the beginning, the team knew it wanted a microservices architecture and platform as a service. After evaluating and prototyping orchestration solutions, including Mesos and Docker Swarm, the team decided to adopt **Kubernetes** for its platform running on AWS. Kubernetes was still in 1.5, but already the technology could do much of what the team wanted and needed for the present and the future. For West, that meant having storage and network handled. O'Mahony points to Kubernetes' portability in case Bose decides to go multi-cloud.

"Bose is a company that looks out for the long term," says West. "Going with a quick commercial off-the-shelf solution might've worked for that point in time, but it would not have carried us forward, which is what we needed from Kubernetes and the CNCF."









# CNCF Case Study June/July Spotlight

Spotify: An Early Adopter of Containers, Spotify Is Migrating from Homegrown Orchestration to Kubernetes

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JD.com: <u>How JD.com Uses Vitess to</u> <u>Manage Scaling Databases for Hyperscale</u>

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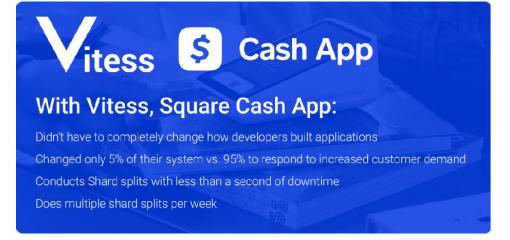




# CNCF Case Study June/July Spotlight, Cont.

Cash App (Square): How Vitess Enables 'Near Unlimited Scale' for Cash App

Want to help us promote? **Share this Tweet** 



# KubeCon Transparency Reports: China + Barcelona

# <u>KubeCon + CloudNativeCon + Open Source Summit China 2019</u>

Of the 3,500 attendees, 60% were first-time KubeCon attendees.

Attendees came from 43 countries across five continents; (83%) were from China.

54 media and analysts attended the event, including 13 English-speakers, generating more than 393 clips of compelling event news.

# <u>KubeCon + CloudNativeCon Europe 2019</u>

Attendance grew by 84% from last year's KubeCon event in Copenhagen.

95 media and analysts attended the event, generating more than 5,300 clips of event news.

Leveraging the \$100,000 in diversity scholarship funds available from sponsors, CNCF provided travel and/or conference registration to 56 applicants.

40% of the keynote and 14% of the track speakers were led by women.

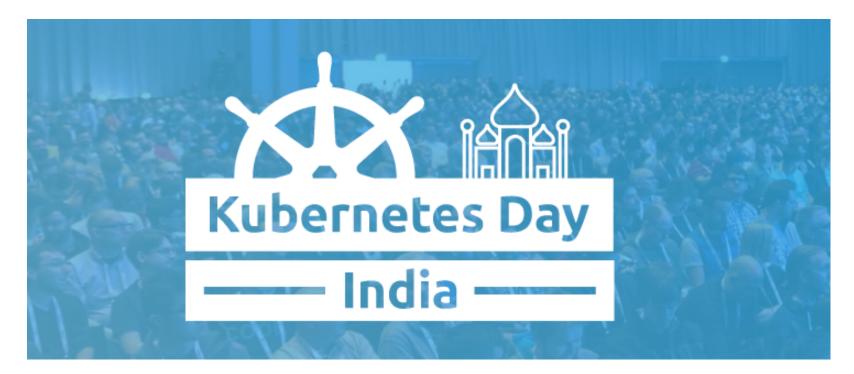
Kubernetes, Prometheus and Helm were the top three projects in terms of attendee interest.

# Events



# **Kubernetes Day India Highlights**

View the <u>highlights video</u>



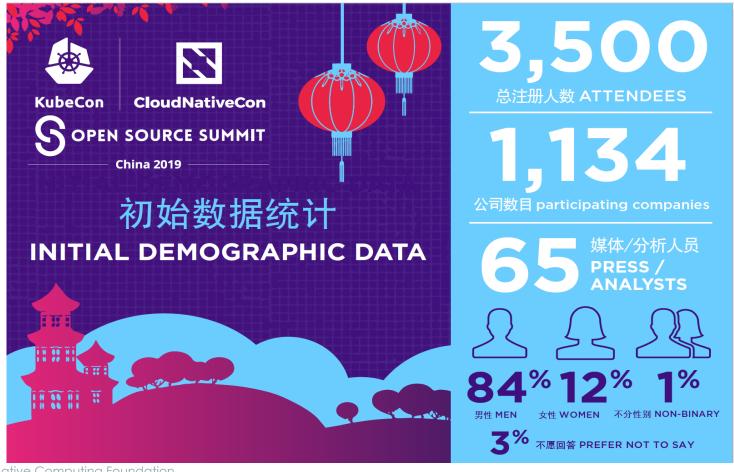


# KubeCon + CloudNativeCon Barcelona Highlights

View the <u>Barcelona highlights</u> video



# KubeCon + CloudNativeCon + Open Source Summit China 2019

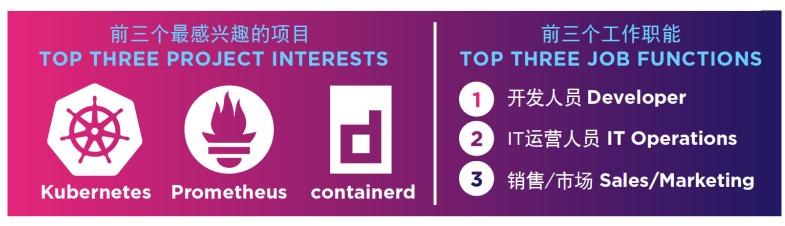


# KubeCon + CloudNativeCon + Open Source Summit China 2019

参会者出席最多的3个国家 Top 3 Countries Represented



中国,美国,日本 CHINA, USA, JAPAN



939 14 32 252 17%

演讲方案提交

同场活动 **CFP Submissions** Co-Located Events

主题演讲 **Keynotes** 

会议 Sessions

女性演讲者 **Female Speakers** 



# KubeCon + CloudNativeCon

Sponsor in 2019

3% discount for members

5% discount for members sponsoring two events

8% discount for members sponsoring three events

November 18-21 Attendees: 11,000+

> Deadline to submit signed sponsorship contracts:

> > Thursday, August 15

# KubeCon + CloudNativeCon North America 2019

## Sponsorships are open for San Diego, November 18 - 21!

- Diamond Cisco, Google Cloud, Intel, Microsoft Azure, Red Hat, VMware
- **Platinum** Amazon Web Services, Apple, Aqua Security, Ballerina, Capital One, CloudBees, DivvyCloud, Docker, Dynatrace, F5 Networks, GitLab, HPE, IBM Cloud, JFrog, Kong, LogDNA, Mirantis, Mesosphere, NetApp, New Relic, Pivotal, Portworx, Rancher, Stackrox, SUSE, Sysdig, Tigera, Turbonomic, Twistlock, Ubuntu
- Gold Avi Networks, Buoyant, Circle CI, Citrix, Datadog, Datastax, Datrium, Influxdata, Infoblox, Instana, Lean IX, LightStep, Platform9, SignalFx, Supergiant, The Home Depot, Yahoo Japan
- Silver A10 Networks, Aiven, Algorithmia, Anchore, Anynines, Aporeto, Arista, Arm Treasure Data, Aspen Mesh, Chef, Cilium, Cloud 66, Cockroach Labs, Codefresh, Containous, Couchbase, Cryptomove, CyberArk, Decipher Technology Studios, Densify, Diamanti, DigitalOcean, Eclipse Foundation, Elastic, EnterpriseDB, Fairwinds, Grape Up, HAProxy, Harness, HashiCorp, Iguazio, Intuit, Jetbrains, Juniper Networks, Kasten, Lacework, LaunchDarkly, Linbit, Linode, Linux Academy, Linux Foundation Training, LogicMonitor, MacStadium, MemSQL, MUFG, NuoDB, O'Reilly, OpenLogic, OpenStack Foundation, Oracle, OverOps, Packet, Pagerduty, Percona, Pure Storage, Quest, Rackspace, Red8, Redis Labs, Replicated, Rogue Wave Software, RX-M, SAS, Sauce Labs, Sentry, Snyk, Splunk, Spotinst, Stark & Wayne, Storage OS, Supermicro, Synopsys, Trend Micro, Tufin, Turbot, VictorOps, Volterra, Weaveworks, WhiteSource Software, xMatters
- Start-Up/End User Agile Stacks, Alcide, Alluxio, Arrikto, Atomist, Banzai Cloud, Blameless, Blockchain Technology Partners, Capsule8, Carbon Relay, CNVRG, Cribl, Cruise, Darillium, Datawire, DeployHub, DriveScale, Epsagon, Flowmill, FOSSA, Giant Swarm, Grafana Labs, Gravitational, Gremlin, Humio, InfoSiftr, Insightfinder,, Kontena, KubeGrid, KubeMQ, Kublr, LF Edge, LF Networking, Loodse, Mattermost, MayaData, Morpheus Data, NetFoundry, NeuVector, Octarine, Odo Security, Omnition, Opsani, PlanetScale, Portshift, Pulumi, Quobyte, Rafay Systems, Reduxio, Replex, Rookout, Scalyr, Scytale, Section, Sensu, Softiron, Solo, Squadcast, Styra, Tetrate, Tyk, Upbound, Wallarm, Windmill Engineering, Yotascale



# KubeCon + CloudNativeCon North America 2019

# Registration:

- Register Now! Standard pricing ends September 10
- 1,432 registered

### **CFP Timeline:**

- Closed: Friday, July 12
- 1,801 submissions
- CFP Notifications: Tuesday, September 3
- Schedule Announced: Thursday, September 5

Hotel: Book a Room Now!



# **Kubernetes Contributor Summit**

**Dates:** November 17-18, 2019

Location: San Diego

Registration opens September 4

Submit to the CFP!

# **EnvoyCon 2019**

Dates: November 18, 2019

**Location:** San Diego



Registration: \$299

Schedule to be announced August 19

### Interested in Sponsoring?

# FoundationDB Summit 2019

Dates: November 18, 2019

**Location:** San Diego

Registration: \$199



**CFP**: Applications close August 9

#### Interested in Sponsoring?

# Cloud Native Security Day

Dates: November 18, 2019

**Location:** San Diego

Registration: \$199

#### Interested in Sponsoring?

# **Observability Practitioners Summit**

Dates: November 18, 2019

Location: San Diego

Registration: \$250

**CFP**: Applications close August 30

Sponsor: LightStep

#### Interested in Sponsoring?



## ServiceMeshCon

Dates: November 18, 2019

Location: San Diego

Registration: \$199

**CFP**: Applications close August 30

Sponsors: Buoyant, solo.io, Decipher, Tetrate

#### Interested in Sponsoring?

## Helm Summit 2019

Dates: September 11-12, 2019

**Location:** Amsterdam



**Registration:** \$250 Early Bird Rate through August 26

#### **Schedule Now Available**

**Sponsors:** Jfrog, Microsoft & Replicated

#### Interested in Sponsoring?

# **2019 Tradeshows**

Third Party Event	Location	Dates	Status
Cloud Native Days Korea	Seoul	July 17-19	Completed
Open Source Summit Japan	Tokyo	July 17-19	Completed
Open Source Summit NA	San Diego	August 21-23, 2019	Confirmed
Write the Docs	Prague	September 17-19	Confirmed
Huawei Connect	Shanghai	September 18-20	Confirmed
Open Networking Summit EU	Antwerp	September 23-25	Confirmed
Alibaba Aspara Conference	Hangzhou	September 24-27	Confirmed
Grace Hopper Celebration	Orlando	October 2-3	Confirmed
AGL Europe	Monte Carlo	October 21-23	Confirmed
Open Source Summit EU	Lyon	October 28-30	Confirmed
AWS re:Invent	Las Vegas	December 2-6	Confirmed

# Discussion Topic: Kubernetes Forums



#### **Announcing Kubernetes Forums**

- https://www.cncf.io/blog/2019/07/31/announcing-kubernetes-summitsseoul-and-sydney-expanding-cloud-native-engagement-across-theglobe/
- Kubernetes Forum <u>Seoul</u> Dec 9-10 & <u>Sydney</u> 12-13
- (We launched as Kubernetes Summits but are rebranding this week to avoid confusion with the Kubernetes Contributor Summit)
- CFP Closes Sep 6; sponsorships open





#### **Kubernetes Forum Details (1)**

- Structuring to have two-day events
  - Day 1 has a beginner and an advanced track, coming together in some joint keynotes plus a sponsor showcase
  - Approximately half of speakers will be local and half will be international
  - Day 2 will be available for sponsors to offer co-located presentations or trainings
- Target attendance: 1,500
- We will be launching in pairs of cities so that sponsors and international speakers can participate in both cities in the same week

#### **Kubernetes Forum Details (2)**

- Sample schedule
  - Speakers and sponsors arrive to Location #1 no later than Sunday
  - The CFP-based sessions occur Monday
  - On Tuesday, attendees select among several co-located events.
    - These may be cloud- or distribution-specific training or any other topics of interest to Kubernetes Summit attendees.
  - Tuesday night, the sponsors and international speakers will take a red-eye flight to Location #2 and recover Wednesday, where the time zone is only 1 hour different.
  - On Thursday, the international speakers will present the same material from the Location #1 event, interspersed with a slate of new talks from different local speakers in Location #2.
  - On Friday, the co-located events repeat.



#### **Upcoming Kubernetes Forum Locations**

Announced and open for sponsorships:

- December 9-10, 2019 <u>Kubernetes Forum Seoul</u>
- December 12-13, 2019 <u>Kubernetes Forum Sydney</u>

#### Prospectus now available!

Reach out to <a href="mailto:sponsor@cncf.io">sponsor@cncf.io</a> to reserve your booth and co-lo! Coming in 2020:

- January 2020: São Paulo and Mexico City
- Bengaluru and Delhi
- ( Tokyo and Singapore
- Tel Aviv
- Seoul and Sydney again

