

+

2018 10

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.....13

**C**

.....19

**C**

**C**

**A**

.....24

**A**

.....26

AWS

AWS Systems Manager

AWS

Bitbucket

AWS PrivateLink

VPC

AWS Elastic Beanstalk

AWS Direct Connect

Amazon VPC

Amazon ECS

Amazon Linux2 AMI

Amazon Virtual Private

Cloud

IP

Amazon MQ

HIPAA

VMware

20

Google

75

GitGub

IoT

HPC China 2018

ROCKY

2018

VR

CERNET

2018

RealSight APM

TOSCA

OSM

Gartner UTM

D

Check Point 1.75

Dome9

CNCF

→ Falco

Netflix

Spinnaker 1.10

Kubernetes1.12

Azure

Rancher 2.1

Kubernetes

PaaS Rainbond

v3.7.2

Docker

9200

CNNVD

940

+

## AWS

### 1.1 AWS Systems Manager

10 1 AWS Systems Manager

### 1.2 AWS CodeBuild

10 2 AWS CodeBuild

CodeBuild

AWS CodeBuild

### Bitbucket

Atlassian Bitbucket

Bitbucket

webhook

### 1.3 Amazon MQ

10 2

Amazon MQ

### HIPAA

HIPAA

(PHI)

Amazon MQ

Apache ActiveMQ

Amazon MQ

API

JMS NMS AMQP STOMP MQTT WebSocket

### 1.4 AWS PrivateLink

10 10 AWS VPC

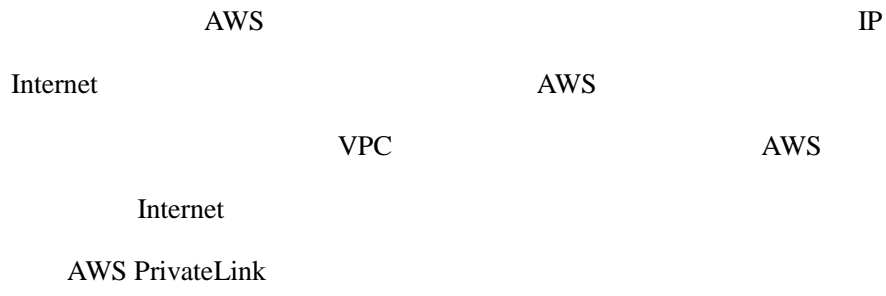
### VPC

VPC

AWS

AWS PrivateLink

AWS PrivateLink



**1.7 AWS Service Catalog                      AWS CodePipeline**

10 16      AWS Service Catalog                      AWS  
                  AWS CodePipeline      AWS CodePipeline                                      (CD)  
                  AWS Service Catalog                                                                                      CodePipeline  
                  AWS CodeCommit      Amazon S3                      GitHub  
                  AWS Service Catalog                                                                                      AWS CloudFormation  
                  Service Catalog                                                                                                                                      Service  
                  Catalog                                                                                      AWS CodePipeline                                      Service Catalog  
                  Service Catalog

**1.8                      Amazon ECS                                      Amazon Linux 2 AMI**

10 18                                      Amazon Linux 2 (AL2)                                      Amazon Elastic Container  
                  Services (ECS)                                      Amazon                                      (AMI)  
                  ECS                                      AMI                                      Amazon Linux 2018.03                                      Amazon  
                  Linux                                      ECS                                      AMI                                      AL2  
                                                       ECS                                      AL2 AMI                                      ECS                                      ECS AL2  
                                                       AMI                                      ECS                                      ECS  
                  ECS                                      ECS

**1.9                                      Amazon Virtual Private Cloud                                      IP**

10 23      Amazon Virtual Private Cloud (VPC)                                                                                      IP  
                  AWS                                      Internet                                      IP (BYOIP)  
                  IP                                      AWS                                      EC2                                      NAT  
                                                       IP                                      IP                                      IP  
                                                       IP                                      AWS                                      IP  
                                                       IP  
                                                                                                                                                       IP

AWS

IP

IP

IP

IP

IP

AWS

IP

IP

IP

## VMWare

### 2.1 VMware

20

10 18

VMware

20

VMware

20

VMware

CEO

(Pat Gelsinger)

5000

VMware

(Arun Parameswaran)

## GOOGLE

### 3.1 Google

10 1

Google

Project Stream

Chrome

1080p/60fps

3A

Project Stream

Google

25 Mbps

## Project Stream



5.1

**IoT**

IoT

ST

ST

IoT

STM32

IoT

IoT

ST

ST

IoT

ST

IoT

9 STM32

AliOS Things STM32

## 5.2 HPC China 2018

10 19

HPC

China2018

HPC China

HPC



" " " +HPC"

HPC

EHPC SCC

SCC 25%

IT

5.3

10 22

IT

2009

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AWS

Synergy Research Group

6

Alphabet

6.1

10 29

(FISCO)

FISCO BCOS

FISCO

100

FISCO BCOS

BCOS

FISCO Taskforce

BCOS

Hyperledger Fabric R3 Corda

WeBank

BCOS

1000

BCOS

7.1 +VR+ +

VR

10 24

VR

## 99CLOUD

3.1

### ROCKY

10 10

Animbus®7.0

CEO

COO

&

OpenStack

2000

CEO

Animbus®

1.1

“

”

1.2

CCID

2018 2017 23.2%

1.3 2018 VR

VR 2018

VR



2018 VR

VR/AR

1.4 CERNET 2018

CERNET

HERNET

CERNET

CERNET

2018

2.0

+

2.0

2.1 **RealSight APM**

**TOSCA**

OASIS TOSCA

RealSight APM

3.1

·

**OSM**

—

OSM(Open Source MANO)

VNF Virtual Network Function

OSM

3.2

**Gartner UTM**

Gartner

2018

UTM

Gartner UTM



4.1

5.1

D

**360**

## **Fortinet**

### **9.1 Fortinet**

### **Gartner**

Fortinet

Gartner

2018



## CNCF

## Falco

CNCF Falco

Falco Sysdig Sysdig CNCF

Falco

🚫 Linux

➤ CNCF Fluentd logging project Kubernetes

Falco Kubernetes

🚫 Kubernetes API Linux

CNCF Dan Kohn Falco

Kubernetes Mesosphere Cloud Foundry Falco Fluentd Nats

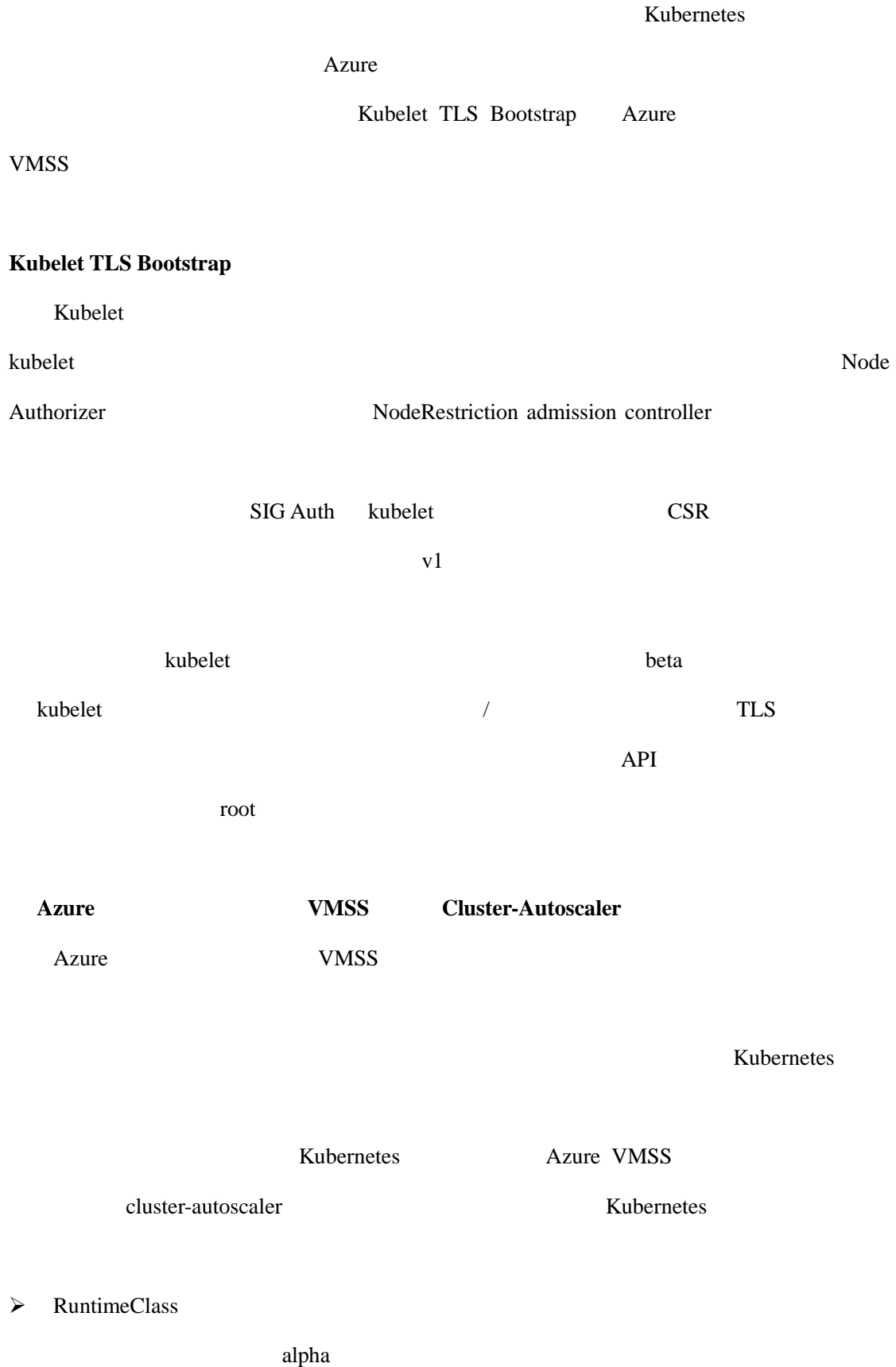
rkt Falco

## Netflix

## Spinnaker

Google Netflix

## Kubernetes 1.12



- Kubernetes CSI / alpha
- API CRD CSI PV /
- beta
- AWS EBS GCE PD beta
- Pod beta Pod
- PodSpec PID
- taint beta taint
- Horizontal Pod Autoscaler / beta
- Horizontal Pod Autoscaler
- Horizontal Pod Autoscaler beta
- Pod beta Pod
- pet Pod
- KMS beta
- Google Cloud KMS Azure Key Vault AWS KMS Hashicorp Vault
- etcd

## Rancher 2.1 Kubernetes

- Rancher 2.1 Rancher 2.0
- Rancher Cattle Rancher Kubernetes
- Kubernetes
- Rancher 2.1
- 
- Rancher PingID Microsoft Active Directory OpenLDAP Keycloak
- FreeIPA Azure Active Directory
-



CPU

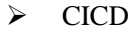
Pod



Rancher 2.1

helm chart

ingress



Rancher 2.1

CICD

CI / CD

Kubernetes



GitLab

Rancher 2.1

Rancher CI / CD

GitLab

CICD

GitLab

GitLab



CLI

Rancher

Kubernetes



Rancher Server

Rancher

Rancher Server



Rancher 2.1

Tiller

Kubernetes Dashboard

YAML

### PaaS Rainbond

### v3.7.2

Rainbond

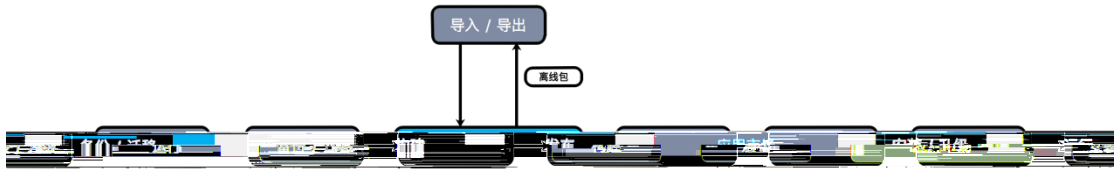
PaaS

Kubernetes

ServiceMesh

CI/CD

3.7.2



Rainbond

**Docker 9200**

Docker

1.92

9200

Kubernetes

Docker

2019

IPO

10

Docker

2017

7500

AME Cloud Ventures Benchmark Coatue Management

Greylock Partners

Docker

13

**New Service Debut**  
Container Security Service  
国内首发：容器安全服务

Protects virtual environments of containers throughout their lifecycles: from development to production  
最全面的容器安全平台：保证企业容器虚拟环境从开发到生产整个周期的安全

<b>100000+</b> High Value Vulnerability 高价漏洞	<b>100000+</b> Malicious Program Sample 恶意程序样本	<b>100 class</b> Container Escape Behavior 容器逃逸行为
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1.

10 1

2.

10 10

ISP IDC CDN

### 3. CNNVD

10 12

MS XML

CNNVD-201810-294 CVE-2018-8494 Windows Hyper-V

CNNVD-201810-327 CVE-2018-8490

### 4.

10 18

10 18

App

12

### 5.

10 18

5

GDPR

App Store

**6. 940**

10 26

940

3

5

940

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**1.**

**1.1 Palo Alto Networks RedLock**

10 3 Palo Alto Networks RedLock 1.73 Palo Alto  
Networks Nir Zuk 2005  
RedLock

**1.2 Bitdefender RedSocks Security**

10 24 Bitdefender RedSocks Security BitDefender  
150 5  
RedSocks Security

**1.3 Check Point Software Technologies Dome9 Security**

10 24 Check Point Software Technologies Dome9 Security  
1.75 Check Point

VPN Dome9

**2.**

**2.1 BitGo 1500 B**

10 18 BitGo Galaxy Digital LP Goldman Sachs 1500 B

BitGo

2-3

**2.2 Area 1 Security 3200 C**

10 23 Area 1 Security AllegisCyber 8 3200 C

Area 1 Security

**2.3 Arctic Wolf Networks 4500 C**

10 25 Arctic Wolf Networks Adams Street Partners 5 4500

C Arctic Wolf Networks SOC

Arctic Wolf