

+

2018 10

.....ii

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+ ..... 3

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**S**

**S n**

**n**

.....13

**n**

.....19

**n**

**F n**

**M n**

**M**

**n**

**F n**

.....24

.....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

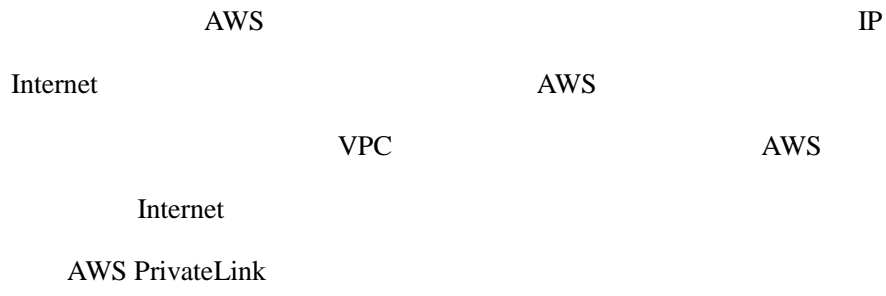
9200

CNNVD

940

+

**AWS**



S  
Catal

10 18  
ECS

Amazon  
AMI

Amazon Linux 2 (AL2)  
(AMI)

Amazon Elastic Container

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

---

10 26

GitHub  
PCMAG  
Friedman 3100 Nat  
GitHub  
Linux Linux

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





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**

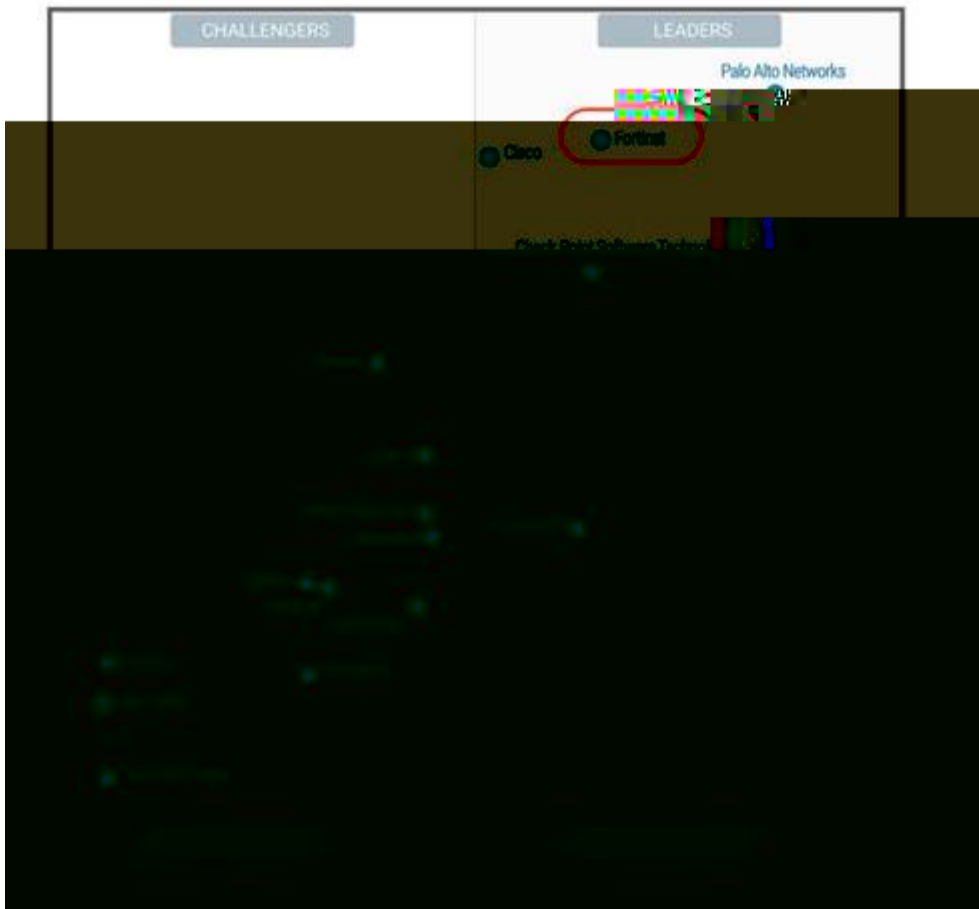
### **Gartner**

Fortinet

Gartner

2018

Figure 1. Magic Quadrant for Enterprise Network Firewalls



### Checkpoint

10.1 Check Point 1.75

Dome9

Check Point

Dome9 Security

1.75

Dome9 2011

## 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

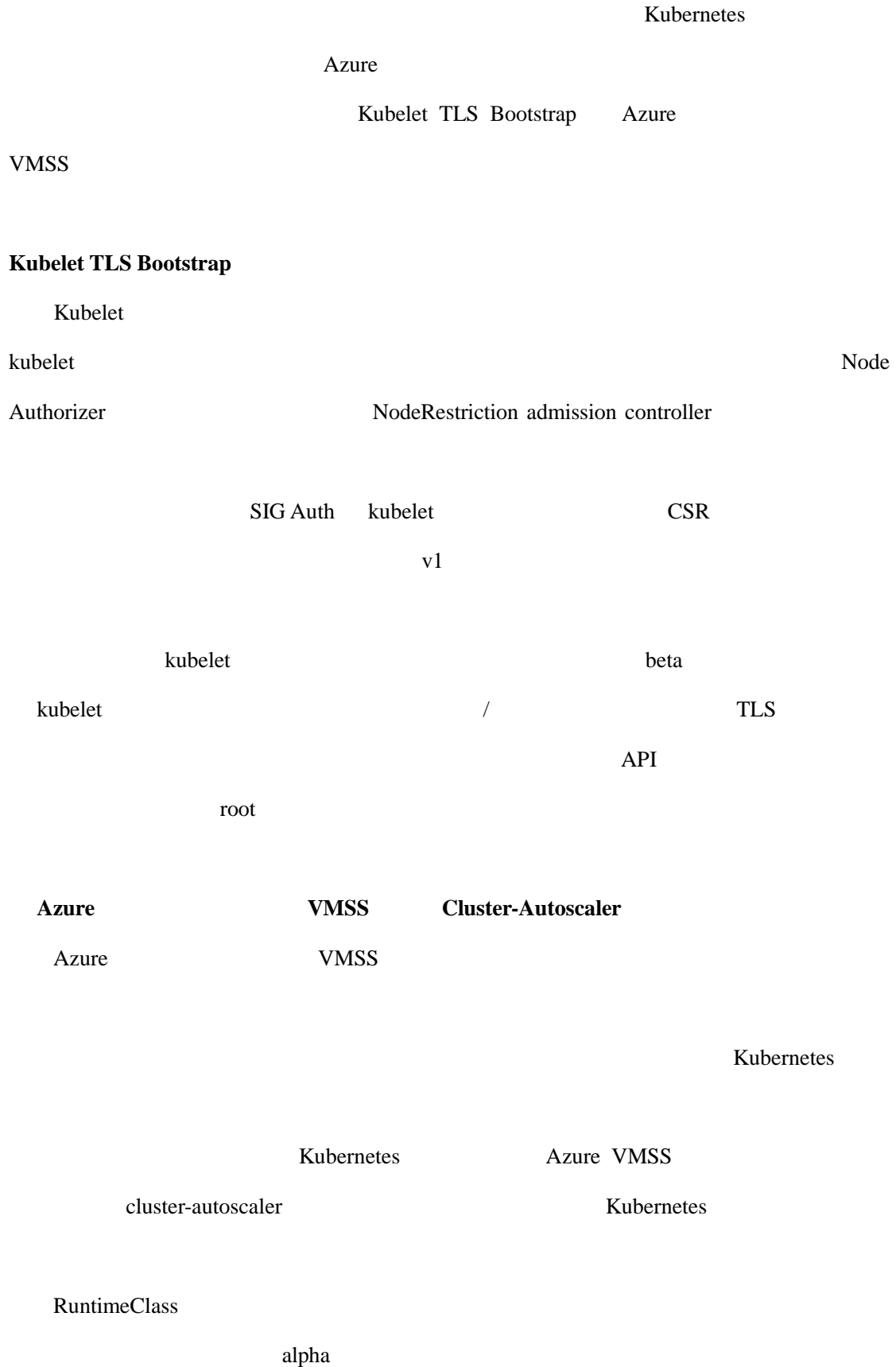
rkt Falco

## Netflix

## Spinnaker

Google Netflix

# Kubernetes 1.12



|            |     |      |       |
|------------|-----|------|-------|
| Kubernetes | CSI | /    | alpha |
| API        | CRD | CSI  | PV /  |
|            |     | beta |       |

CPU

Pod

Rancher 2.1          helm chart                          ingress

CICD

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

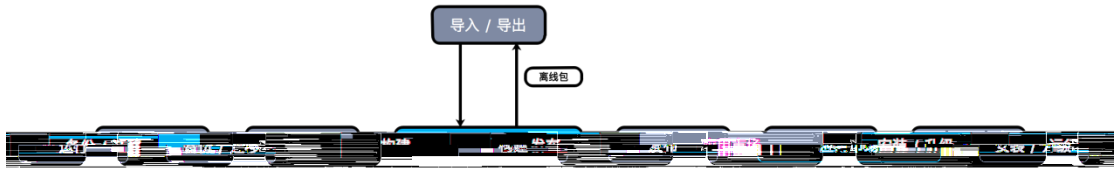
PaaS

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



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.

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10 18

App

12

### 5.

10 18

5

GDPR

App Store

**6. 940**

10 26

940

3

5

940

,

**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