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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

CNCF ↔ Falco

Netflix Spinnaker 1.10 Kubernetes1.12

Azure Rancher 2.1 Kubernetes

PaaS Rainbond v3.7.2

Docker 9200

+

## **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

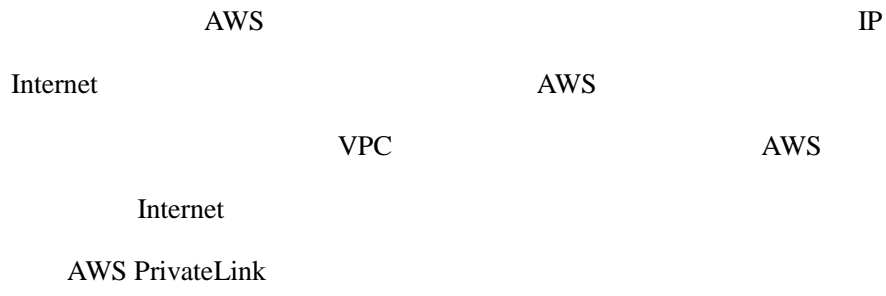
### **VPC**

VPC

AWS

AWS PrivateLink

AWS PrivateLink





AWS

IP

IP

IP

## Project Stream



5.1 **IoT**

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IoT

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IoT

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STM32

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EHPC SCC

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BCOS

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BCOS

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## 99CLOUD

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**ROCKY**

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Animbus®7.0

CEO

COO

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OpenStack

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CEO

Animbus®

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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"

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2.0

2.1 **RealSight APM**

**TOSCA**

OASIS TOSCA

RealSight APM

3.1 **OSM**

OSM(Open Source MANO)

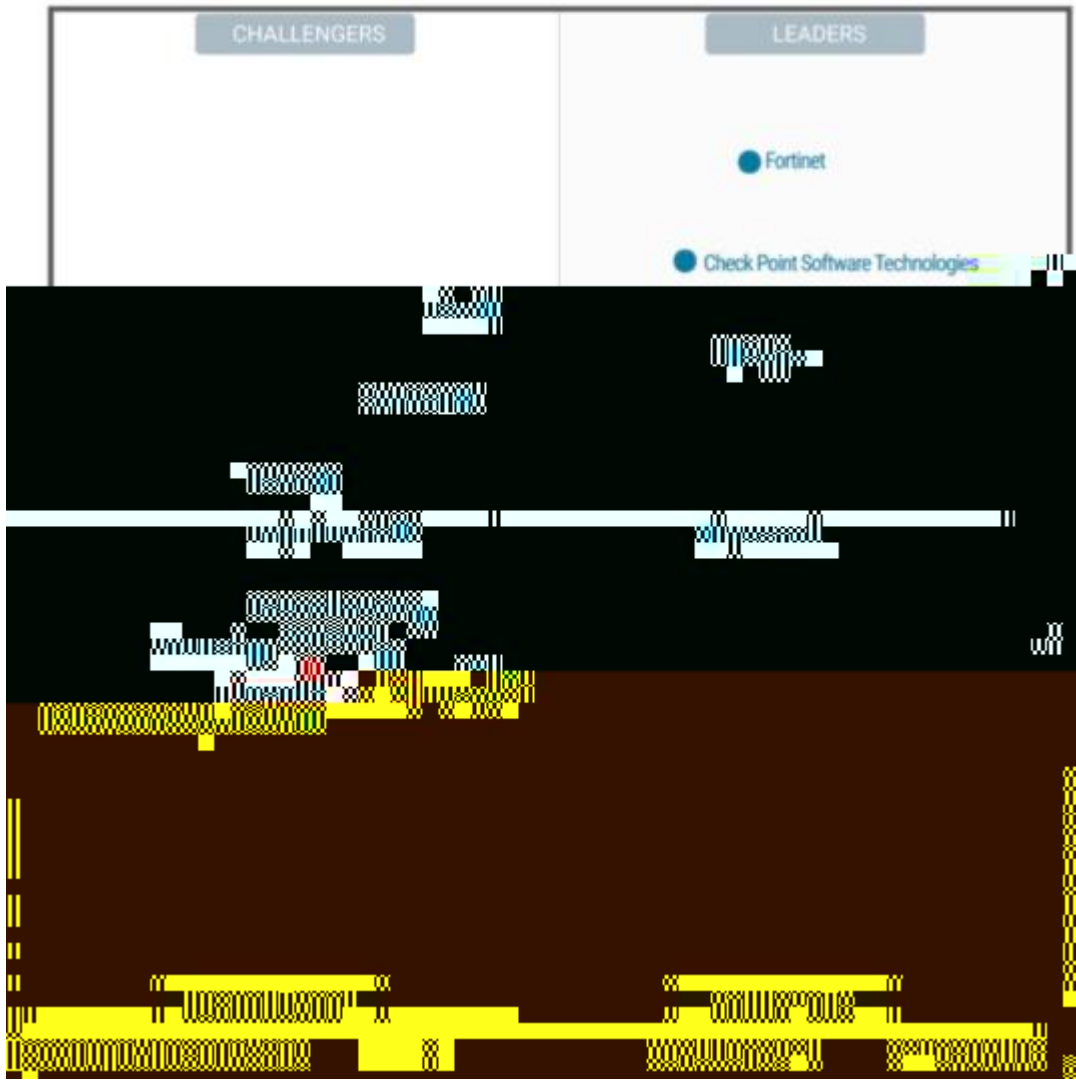
VNF Virtual Network Function

OSM

3.2 **Gartner UTM**

Gartner 2018 UTM

Gartner UTM



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**360**

**Fortinet**

Figure 1. Magic Quadrant for Enterprise Network Firewalls



## Checkpoint

10.1 Check Point 1.75

Dome9

Check Point

Dome9 Security

1.75

Dome9 2011

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## 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

Azure

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Kubelet TLS Bootstrap

Azure

VMSS ---

## Kubelet TLS Bootstrap

Kubelet

kubelet

Node

Authorizer

NodeRestriction admission controller

SIG Auth

kubelet

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

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





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2.

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ISP IDC CDN

### 3. CNNVD

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MS XML

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

CNNVD-201810-327 CVE-2018-8490

### 4. " "

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App

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GDPR

App Store

**6. 940**

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VPN

Dome9