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2018

12

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2018

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AWS

Windows Server 1809

EC2 AMI,Amazon MQ

,AWS Server Migration Service

,Amazon EKS

Kubernetes

1.11

,

Amazon DynamoDB

,Amazon EC2

AWS Storage Gateway

Amazon MQ

PCI

ISO

VMware

Stack-V

Azure

200%

OpenStack

EasyStack

TSOC

Gartner SIEM

VenusEye-

EDR

Gartner

+

EDR

360

IDC

Fortinet

Kubernetes1.13

Kubernetes

Rancher ARM

K8S

Kubernetes

Azure

ACS

kubernets

2018

2018

AI

SNDBOX

Windows 10

Windows Sandbox

iOS 12.1.1

RCE

CNNVD

1

1

Arctic Wolf Networks

RootSecure

Avanan

2500

B

2018 12 29

+

AWS**1.1 Windows Server 1809 EC2 AMI**

12 4 AWS Windows Server 1809 (LI)
 Amazon (AMI) Windows Server
 Windows Server Kubernetes
 Windows
 Amazon EC2 Windows Server 1809 AWS
 Windows Server (LI)
 Windows Server 1809 AMI AWS Amazon EC2
 Windows Server 1809 AMI Windows

1.2 Amazon MQ PCI ISO

12 5 Amazon MQ PCI ISO
 Amazon MQ Apache ActiveMQ

Amazon MQ PCI DSS
 AWS Artifact PCI AWS PCI

Amazon MQ ISO 9001 27001 27017 27018

PCI ISO Amazon MQ SOC

HIPAA

1.3 AWS Server Migration Service

12 6 AWS Server Migration Service (SMS)

Amazon EC2

Server Migration Service

AWS Server Migration Service

VMware vSphere

Microsoft Hyper-V

AWS

Web

Server Migration Service

CloudFormation

EC2

1.4 EKS Kubernetes 1.11

12 12 Amazon Elastic Container Service for Kubernetes (EKS)

Kubernetes

Amazon EKS

Kubernetes

1.11.5

Kubernetes

Kubernetes

Amazon EKS

Kubernetes

Kubernetes

Kubernetes

1.11.5

Amazon EKS

1.11.5

update-cluster-version API

EKS

Kubernetes

describe-updates API

list-updates API

1.5 AWS Storage Gateway

12 12 AWS Storage Gateway

DNS NTP

Amazon S3

500MB/s

1.6 Amazon DynamoDB

12 13 Amazon Amazon DynamoDB

DynamoDB

1.7 Amazon MQ

12 19 Amazon MQ AWS

Amazon MQ Apache ActiveMQ

Amazon MQ

1.8 Amazon EC2

12 20 AWS Amazon EC2
EC2 HDFS HBase Cassandra
EC2

VMWare

2.1 VMware

Stack-V

12 5

VMware NYSE: VMW

Stack-V

IaaS

VMware



Stack-V

GOOGLE

Azure

4.1

+

=Azure**UP**

Azure

Azure

Azure

2018

Azure

/BIOS

Azure

50

IO

CPU

Azure

Azure

5.1

CTO

CEO

TOP10

2005

6.1

200%

12 20

TMF Tencent Mobile

FinTech Platform

TMF

TMF

AI

App

H5

Openstack

1.1

OpenStack

()

62

3257

2016

Devops

OpenStack

EasyStack OpenStack
OpenStack Ceph

Easystack

2.1 EasyStack

OpenStack ECS
Neutron AZ
IT
2017 OpenStack
OpenStack
Neutron Availability Zone(Neutron AZ)
Neutron AZ

2.2

2.3

EasyStack



5G

边缘的架构体系 – 边缘的开源实现

Edge Infra + Edge MANO + Edge App& Services

边缘应用SaaS, 由于行业特殊性, 大部分是闭源的
边缘应用PaaS可以基于开源平台实现

- 边缘应用分发和编排TOSCA
- 工业大数据平台Hadoop
- 时序数据库InfluxDB/Kapacitor
- Flow
- Interop OpenStack
- berry Pi/Ardu
- gleBone

M2M协议:

- HTTP
- MQTT
- CoAP

时序数据库

流式计算

消息服务

编排服务

AI服务

大数据服务

IoT

ERP WMS EMS MES

IOT

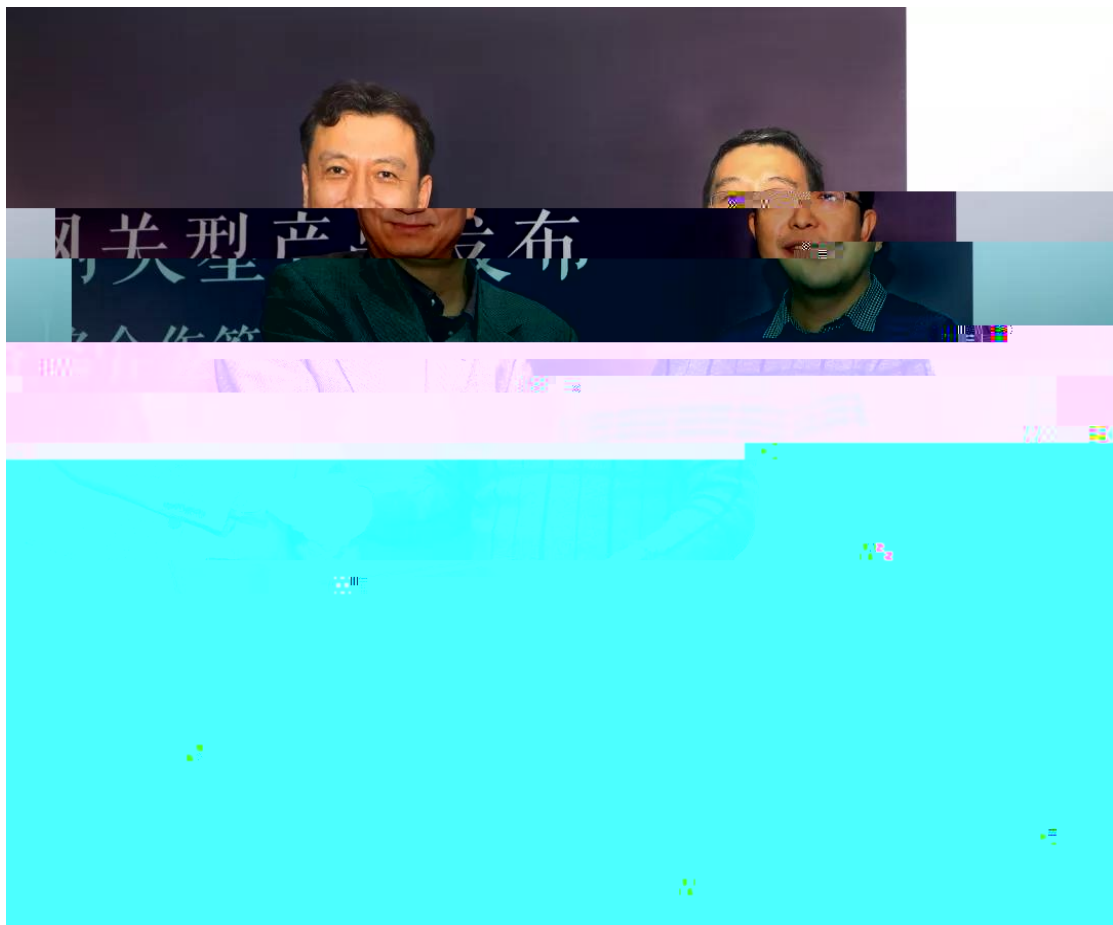
ETSI MEC

MEC

1.1

12 5

/



2016

80G

1.2

2018

100



ADLab

1999

 Web

ADLab 2015

2016

Cloud DC Open

2017

ADLab

CNVD/CNNVD/CVE

1500

CNCERT

1.3

TSOC**Gartner SIEM**

IT

Gartner

2018

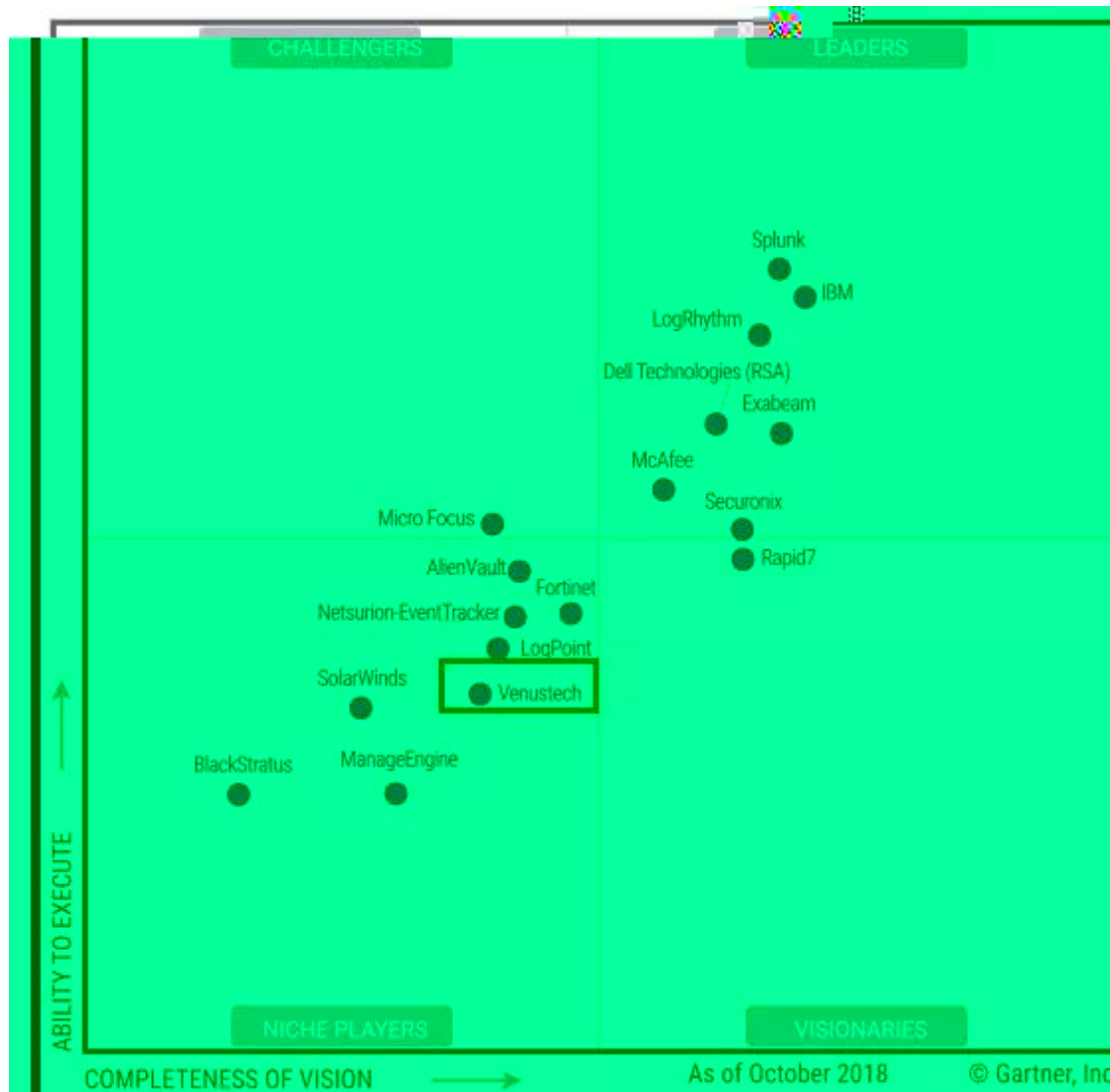
Magic Quadrant for Security

Information and Event Management

TSOC

Gartner SIEM

Gartner SIEM



2018 Gartner SIEM 200

330 ABC AI Big

Data Cloud TSOC

UEBA

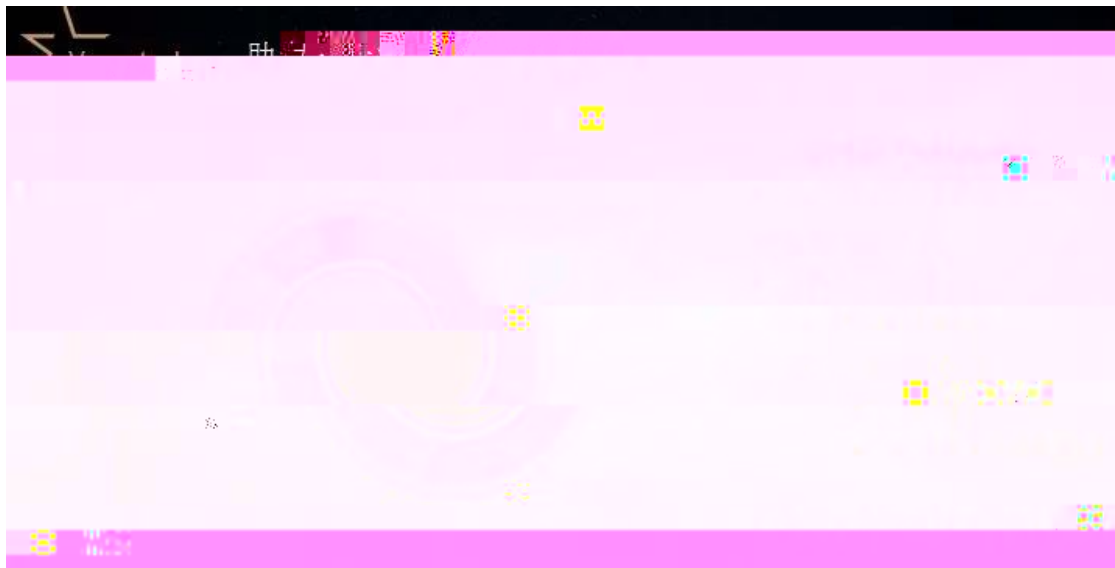
TSOC

2000 / 2.0

GDPR ISO27001 TSOC

1.4

12 13



CERT

90%

1.5

VenusEye-

VenusEye

VenusEye

VenusEye

VenusEye Portal

SaaS API

TIC

2.1

EDR



EDR

EDR

3.1 Gartner

Gartner

()

(ISCCC)

(EAL3+)

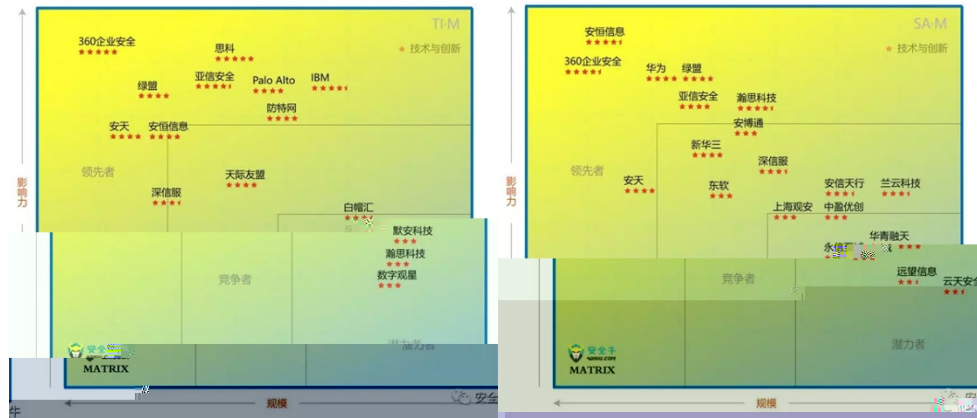
All In One

VMware KVM hyper-V XEN

AWS Azure AliCloud

OSM

4.1



(Matrix 2018.11)

2017

5.1

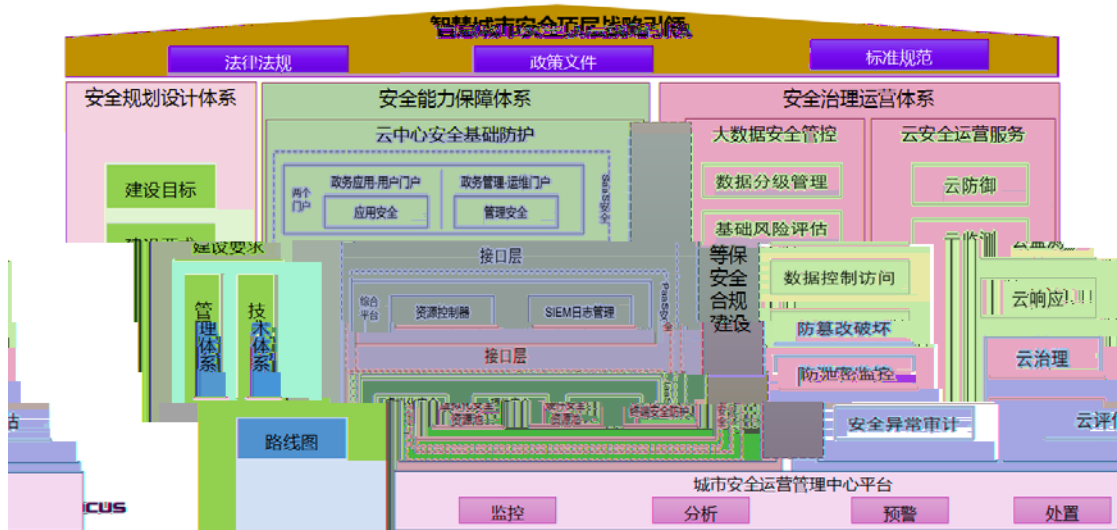
+

12 5

+

+

绿盟智慧城市总体安全保障框架



+

6.1 EDR

EDR2.0.7

®

®

PC

Web

3607.1 **360****IDC**

11 30

IDC

2018

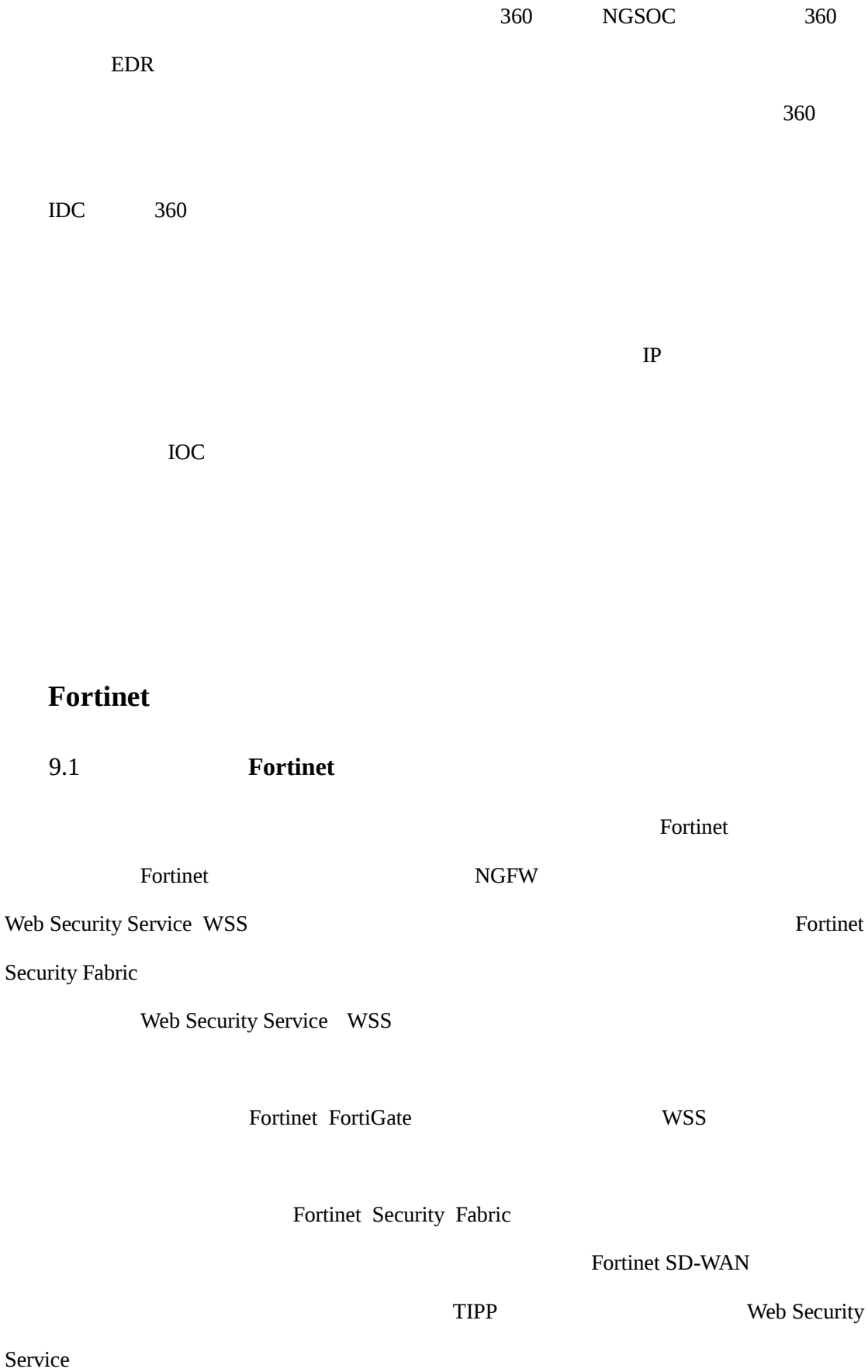
360

360

Alpha

TIP

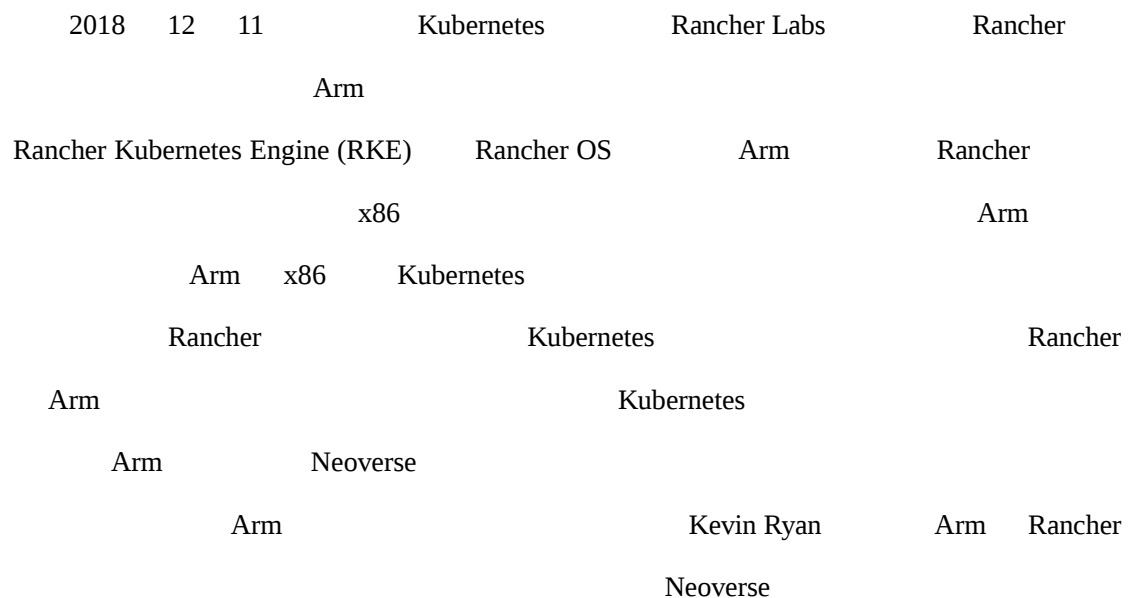
SaaS API



Checkpoint

1. Rancher ARM

K8S

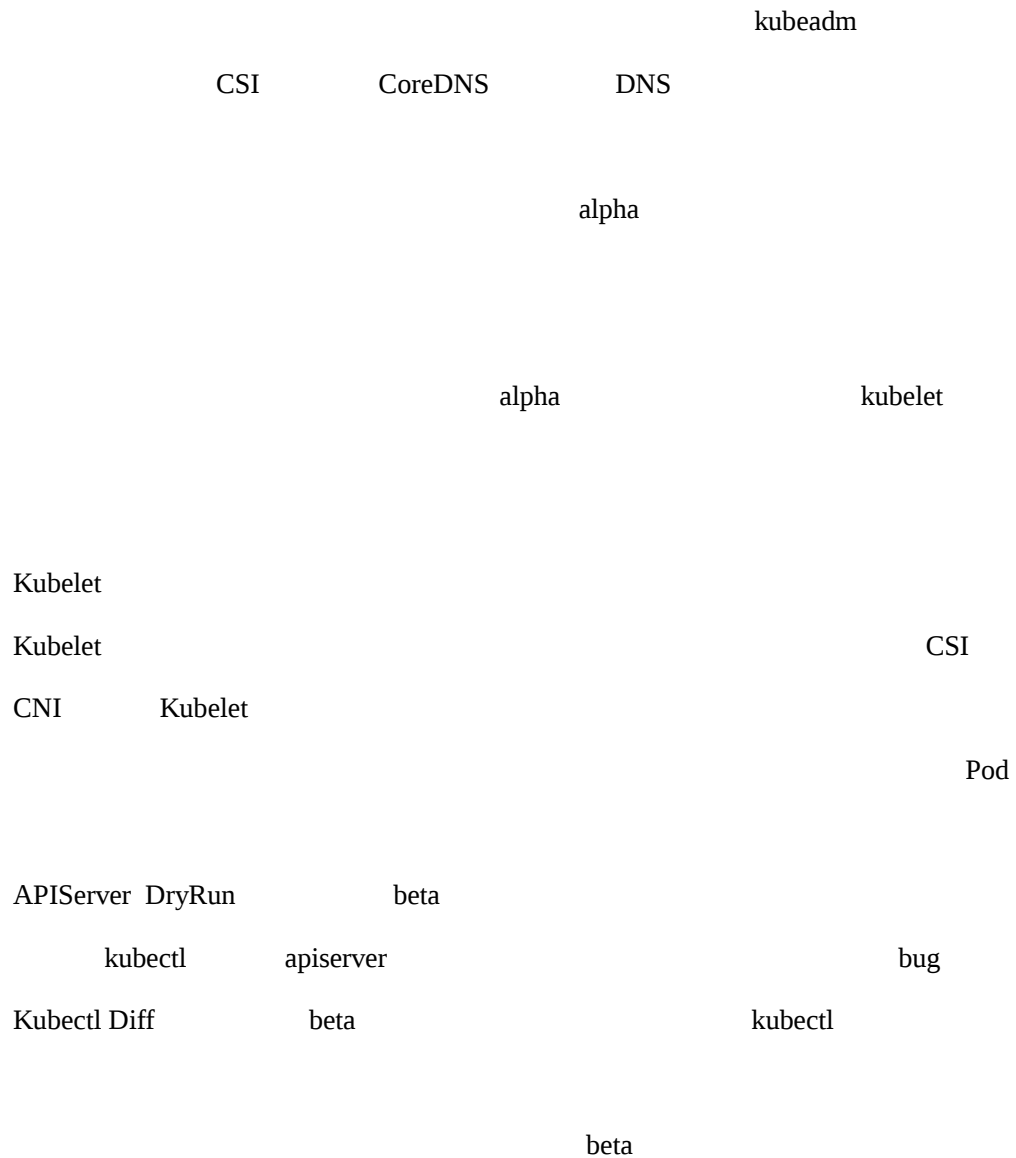


2. Kubernetes 1.13

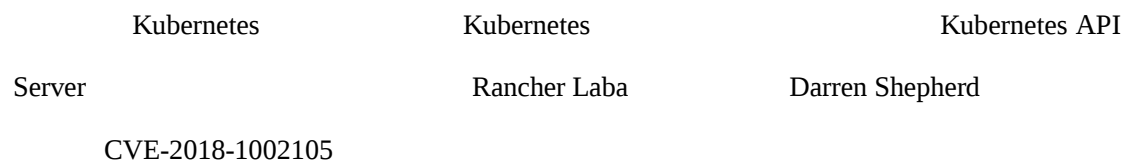
Kubernetes 2018

-Kubernetes1.13

Kubernetes



3. Kubernetes





API Server

Kubernetes API Server

Kubernetes

Kubernetes

Kubernetes

Google

Jordan Liggitt

Kubernetes

CVE-2018-1002105

Kubernetes v1.0.x-1.9.x

Kubernetes v1.10.0-1.10.10

Kubernetes v1.11.0-1.11.4

Kubernetes v1.12.0-1.12.2

Kubernetes v1.10.11

Kubernetes v1.11.5

Kubernetes v1.12.3

Kubernetes v1.13.0-RC.1

:

API server

kube-apiserver

API server

pod exec/attach/portforward

kubelet API

4. **Azure** **ACS**

2020 1

ACS Azure Container Service

ACS

Azure Kubernetes Service

ACS

Docker Swarm

Mesosphere DC/OS

Azure Kubernetes

ACS

API

Azure

1.

<http://www.beian.gov.cn>

syjyc@vip.126.com

010-66262319

2. **2018**

2018

3397

IP

653

2611

4.8

127

1

3. iOS 12.1.1

RCE

Apple iCloud Safari iTunes macOS Mojave High Sierra
 Sierra iOS 2.1.2 tvOS 12.1.1 iOS 12.1.1

iOS 12.1.1

ID

iCloud

4. SNDBOX

AI

Blackhat Europe

SNDBOX

SNDBOX

SNDBOX

SNDBOX

API

WMI

AI

SNDBOX

HTTP

POST

SNDBOX JSON

SNDBOX

5. CNNVD

Microsoft Internet Explorer

CNNVD-201812-458 CVE-2018-8619 Microsoft Excel CNNVD-201812-466

CVE-2018-8597

6. Windows 10 Windows

Sandbox

Windows 10 Windows

Sandbox Windows Sandbox

Sandbox Windows

Sandbox Sandbox Sandbox

Windows Sandbox Windows 10 Pro Enterprise build 18305

BIOS Windows

Features Windows Sandbox Windows Sandbox

7. 2018

2018 12 19 ICT

2018

V2X

8.

2018 12 26

1.

1.1 **Artic Wolf Networks** **RootSecure**

12 12 Artic Wolf Networks RootSecure Arctic Wolf

Networks SOC

Arctic Wolf

RootSecure

2.

2.1 **Avanan** **2500** **B**

12 17 Avanan Greenfield Partners 2 2500 B

Avanan