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2018

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2018

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**AWS** ..... **3**

**VMWare** ..... **6**

**GOOGLE** ..... **7**

**Azure** ..... **9**

..... **10**

..... **14**

“ ”

..... **15**

**Openstack** ..... **17**

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| 1. | 8         | Android              | 43 | ..... | 28 |
| 2. |           | “ ”                  |    | ..... | 28 |
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| 2. |           |                      |    | ..... | 30 |

AWS AWS Key

Management Service (KMS) AWS Storage Gateway

AWS Shield Advanced AWS IoT Device Defender

AWS Aurora Amazon ECS

Docker Amazon EKS GPU EC2

AWS Config AWS Key Management

Service API VMware 21.7

13

AI

AI AI

Azure

AWS

WeTest

“ ”

2.0

SUSE OpenStack Cloud TCS

EasyStack ,

RealSight APM

TOSCA

VMware

GPU

AI

CCE

Istio 1.0

IBM

-Nabla

Prometheus

CNCF “ ”

Kubernetes

CNCF

K8S

workload

k8s

8

43

Cortana

PhishPoin

Microsoft Office 365

1

5

Cisco 23.5

Duo Security

Twistlock 3300

A

RiskRecon 2500

B

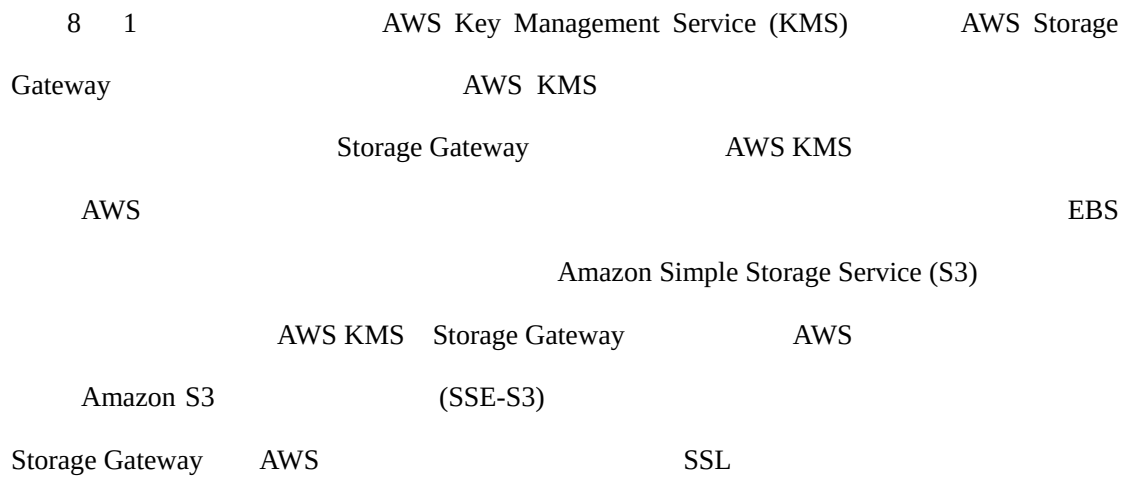
3

2018 8 30

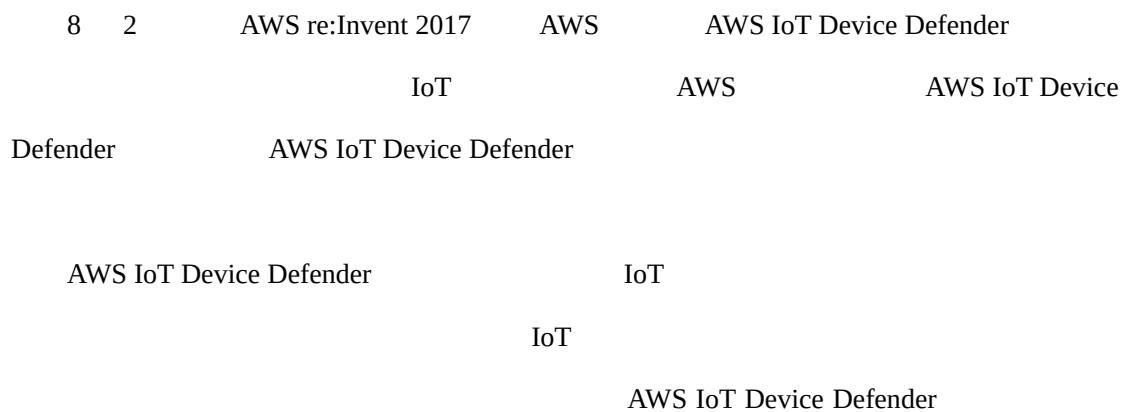
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## AWS

### 1.1 AWS Storage Gateway



### 1.2 AWS IoT Device Defender



Aurora MySQL  
 PostgreSQL  
 Amazon Aurora AWS

## 1.4 AWS Config

8 7 AWS Config  
 AWS Config 30  
 7 2557 AWS Config  
 AWS Config 7 2557  
 AWS Config AWS AWS GovCloud  
 AWS AWS

## 1.5 Amazon ECS Docker

8 9 Docker Rex-Ray Portworx  
 Amazon Elastic Block  
 Storage (EBS) Amazon Elastic File System (EFS)

Bash Lambda Docker  
 Docker Amazon ECS  
 Docker  
 Docker

## 1.6 AWS Shield Advanced

8 16 AWS Shield Advanced  
 (RBR) (DDoS)  
 Amazon CloudWatch



AWS Shield Advanced DDoS

Application Load Balancer Amazon CloudFront

Layer 7 Web ACL

AWS WAF Web (ACL)

Web ACL

Amazon CloudWatch

Amazon Simple Notification Service (SNS)

DDoSDetected Amazon CloudWatch

## 1.7 AWS Key Management Service API

8 21 AWS Key Management Service (KMS) KMS API

Decrypt Encrypt GenerateDataKey

GenerateDataKeyWithoutPlaintext GenerateRandom ReEncrypt

1,200

10,000

KMS

5,500

KMS

## 1.8 Amazon EKS GPU EC2

8 23 Amazon Elastic Container Service for Kubernetes (EKS)

GPU EC2

NVIDIA GPU Amazon EC2 P3 P2

(ML) (HPC) Kubernetes

P2 P3 EC2 EKS Amazon

(AMI) GPU

Amazon EKS AMI GPU P2 P3 EC2

NVIDIA Amazon EKS GPU

## 2.1 VMware

6

## GOOGLE

3.1

8 3

Drive

Docs

—G

Suite

2018

3

Diane Greene

Tencent Kubernetes

Gmail

Drive

Docs

Tensorflow

3.2

AI

8 7

|          |                         |               |          |        |            |
|----------|-------------------------|---------------|----------|--------|------------|
|          |                         | Nvidia        | P4       |        | Nvidia GPU |
| 4        |                         | 2017          | 2        | Nvidia | GPU        |
|          | P4                      | 60            | 4        | GPU    | 4          |
|          |                         | 5.5 teraflops |          |        |            |
| Nvidia   | P4                      | 8GB GDDR5     |          | GPU    |            |
|          |                         | GPU           |          |        |            |
|          |                         |               | P4       |        |            |
|          | GPU                     |               |          |        |            |
| P4       |                         |               | Grid     | Nvidia |            |
| GPU      |                         |               | Teradici |        |            |
|          |                         |               | Nvidia   |        | 3          |
|          | 35                      |               |          |        |            |
|          | GPU                     |               |          |        | Nvidia     |
|          |                         |               |          | AI     |            |
|          | Tensor Processing Units |               |          |        |            |
|          | 180 teraflops           |               |          |        |            |
| 3.3      |                         | <b>AI</b>     |          |        |            |
| 8        | 20                      |               |          |        | AI         |
|          |                         | AI            |          |        | AI         |
|          |                         |               |          |        |            |
|          |                         | AI            |          |        | 7 24       |
| Next2018 |                         |               |          | AI     |            |

AI

AI

● AI

800

AI

●

AI

“ ”

●

AI

AI

**Azure**

4.1 **Azure**

8 7

Azure

ETH

PoA

“ ”

DApps “ ” PoW

Azure PoA

Azure Parity Azure Monitor

DApp

“ ” VM

“ ”

Parity ETH

Solidity C

C ++ Rust DApp DApp

DApp

Microsoft 2015

Azure Azure 2010 Microsoft

6 R3

39 KYC

Microsoft Azure 45

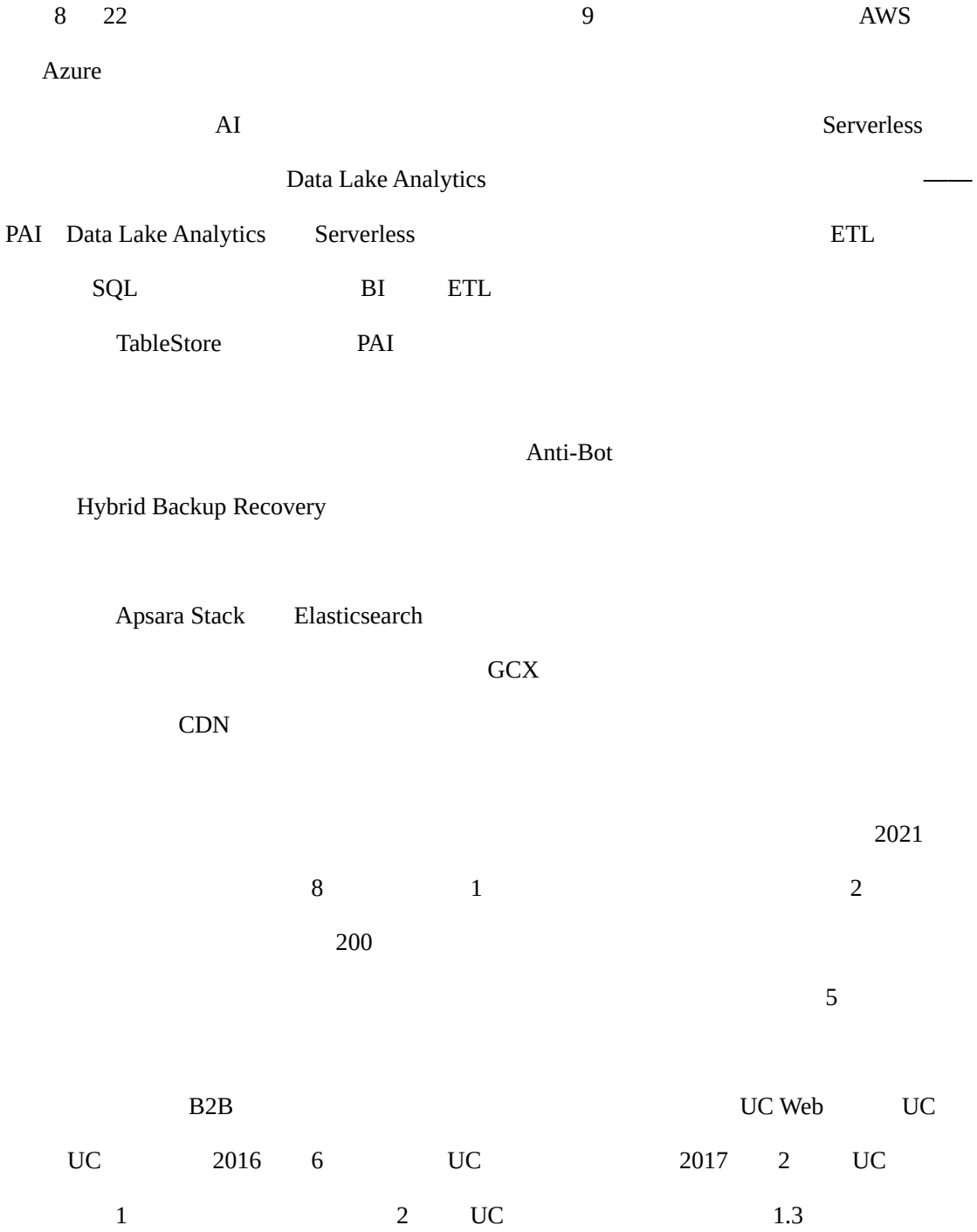
5.1

8 3 3.53

51%34%15%

5.2

AWS



5.3

“ ” IoT

“ 2018 1

”

“ ”

350

“

15.3%

15% ”

ET

2020

“ 2020

”



70%

20%

400

1

400

3

IoT

“

”

3

100

5

4000

“

”

20%

50%

5%

20%

“

”

300

11%

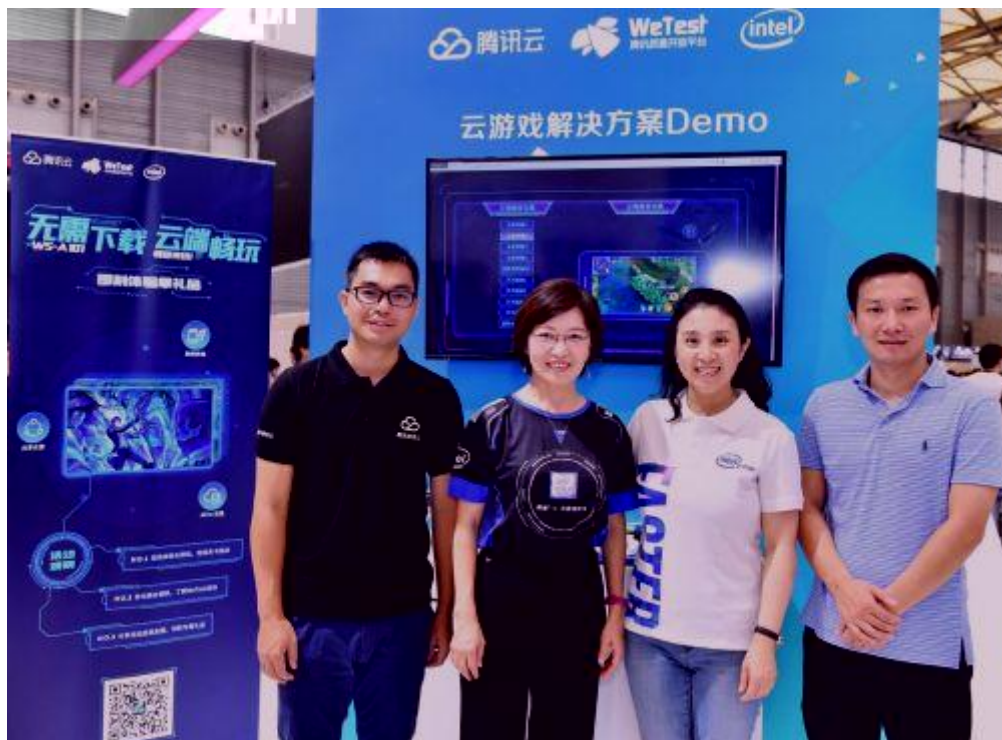
AliOS

## 6.1 WeTest

8 5 ChinaJoy

ChinaJoy WeTest

Demo



6.2

8 6 “ ”

13.6 1100 “ ”

6.3 “ ”

8 16

7.1 2.0

8 21 “ ”

2.0 Huawei Cloud



WLAN

200

WLAN

60%

30

APP

MSP

MSP

“

ICT

”

## Openstack

### 1.1 SUSE OpenStack Cloud TCS

8 22 SUSE IT

TataConsultancyServices TCS SUSE OpenStack Cloud TCS

TCS SUSE

Cisco ACI KVM VMware

SUSE OpenStack Cloud EMC TCS SUSE

SUSEOpenStackCloud TCS

TCS TCS

IT

TCS Rajesh Srinivasan

“ SUSE OpenStack Cloud TCS

SUSE ”

SUSE Ronaldde Jong “ SUSE

IT

## Easystack

### 2.1

#### EasyStack

8 9

EasyStack

C++

C++

EasyStack

EasyStack

“ ”

EasyStack

“

”

EasyStack

CEO

“

”

C++

EasyStack

EasyStack

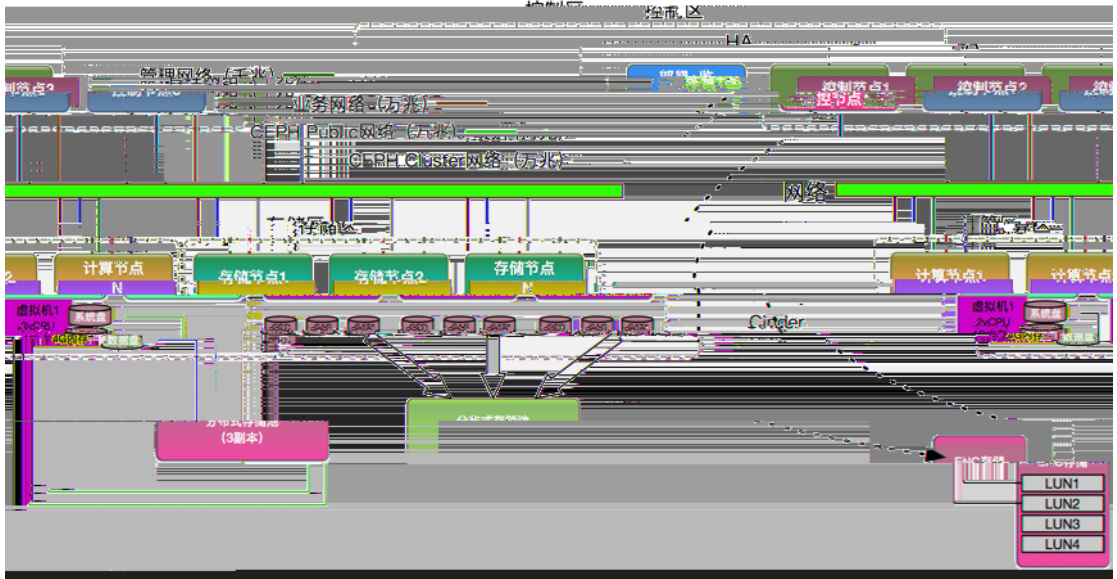
## 99CLOUD

### 3.1

,

8 23

IT



Nova Cinder Neutron

VPC

Heat

Flavor      Volumn Type      QoS

IaaS

## **1.**

### 1.1



Applications

OASIS

IT

3.

3.1

OS

IPV6

StoneOS 5.5R6

IPv6

X10800

ABG

.

VM04 VM01\VM02\VM04

3.2

VMware

- AI

VMware

VMware

NSX

API

4.

4.1

“

”

(Deep Security)

H3C

H3Cloud Ready

(Deep Security)

H3C CAS

H3Cloud

4.2 2018

2018

APT

5.

6. 360

7.

7.1

8.

9. Fortinet

9.1 Fortinet NSS Labs SD-WAN

Fortinet FortiGate SD-WAN SD-WAN

NSS Labs “ ” NGFW

## 10. Checkpoint

### 10.1 CheckPoint Check Point

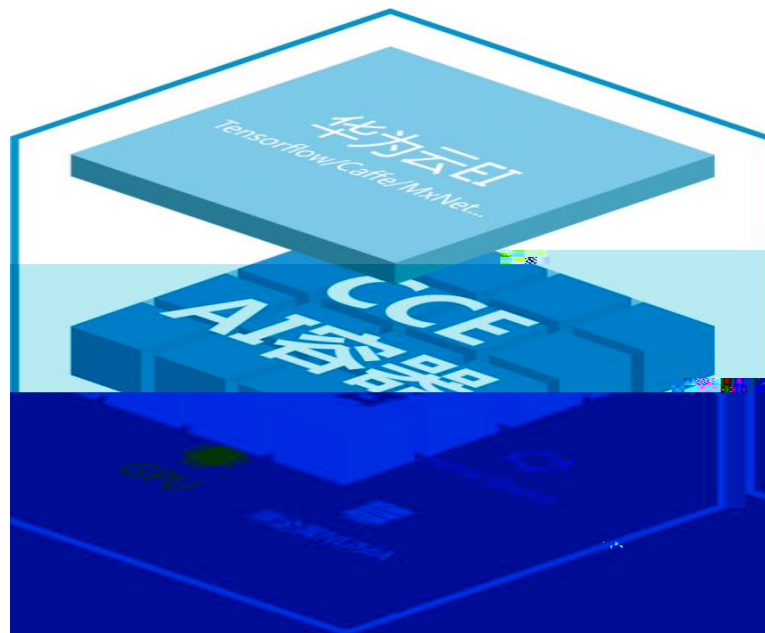
2018

51% (FedEx)  
(Intel) (Honda)

2018 — Docker Kubernetes

## 1. GPU AI “ AI ”

8 28 , “ AI — 2018 ”  
GPU AI , Windows ,  
AI , “ AI ”  
“ ” AI  
AI GPU ,  
GPU , AI 3-5  
AI GPU , Nvidia Tesla P4/P100/V100  
AI Tensorflow Caffe , EI  
/ /  
AI



AI CCE , :

<https://console.huaweicloud.com/cce2.0/#/app/resource/cluster/list?type=GPU>

HUAWEI CONNECT 2018 ICT ,

2018 10 10 -12 “ + , ” ,

,

## 2. Istio 1.0

7 31 24 Istio 1.0

Istio IBM Lyft  
Istio

Lyft Envoy

Istio

CTO/CIO

● Kubernetes

Beta

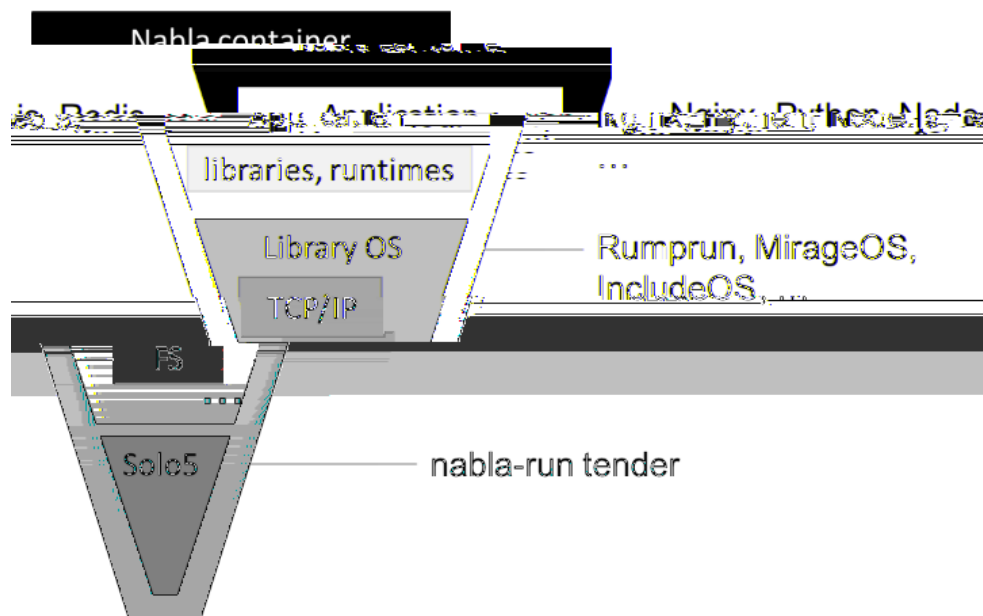
● API Beta

ingress egress

- TLS
- Mixer
- Envoy
- Helm chart
- Istio
- Mixer

### 3. IBM -Nabla

IBM Docker



James Bottomley

IBM

Linux

VM

Vertical Attack Profile (VAP) and

Horizontal Attack Profile (HAP)

VAP

HAP  
 HAP=Linux \*  
 VM  
 HAP

#### 4. CNCF Prometheus CNCF “ ”

8 9 Kubernetes Prometheus Cloud Native Computing  
 Foundation CNCF PromCon Prometheus Prometheus Kubernetes  
 CNCF Prometheus

CNCF , , , ,

DockerHub Azure Container Registry Microsoft

Node PHP Java .NET Core

Linux Web Windows Linux Web ASE

VNet Windows Linux Web App Service

Plan Linux on ASE MSDN Dv2

SKU Stock Keeping Unit

ASE 100 Windows Linux

ASE Web Web

Linux Docker

Web

SKU

## 6. K8S

Kubernetes Google Binary Authorization

workload Kubernetes Kubernetes

API

Google Grafeas Pod

Google

Kritis

Kritis Grafeas Google Kubernetes

API

## 7. Kubernetes CI/CD

8 29 CNCF Google Cloud

Kubernetes CNCF Google

900 Google Cloud Kubernetes

CI / CD

CNCF Kubernetes Kubernetes

Kubernetes Kubernetes Google  
Cloud Kubernetes

## 1. 8 Android 43

Android 9.0 Pie Google Android  
Security Patch for August 2018  
2018-08-01 2018-08-05

43

## 2. “ ”

/ — “ ”

## 3. PhishPoin Microsoft Office 365

PhishPoint SharePoint 10% Office 365

ATP

Microsoft Office 365

Avanan “

10% Office 365 PhishPoint



SharePoint  
Office 365  
SharePoint  
Office365  
”

#### 4. Cortana

Windows  
Cortana  
Cortana  
Cortana  
Edge  
IE 11  
McAfee  
Cortana  
Cortana  
JavaScript  
McAfee  
Cortana  
PC  
Cortana  
Cortana

#### 5.

ret2spec: Speculative Execution Using Return  
Stack Buffers  
“ spectre ”  
“ ” CPU

90

ARM AMD

## 1.

### 1.1 Cisco Duo Security

8 2 Cisco Duo Security 23.5 Cisco

Duo Security

iOS

## 2.

### 2.1 HYAS InfoSec 620 A

8 2 HYAS InfoSec 205 Capital 5 620 A

HYAS InfoSec

### 2.2 RiskRecon 2500 B

8 7 RiskRecon Accel 5 2500 B

RiskRecon

### 2.3 HYAS InfoSec 47.5

8 14 HYAS InfoSec Western Economic Diversification Canada 47.5

HYAS InfoSec

### 2.4 AttackIQ 550 A

8 14 AttackIQ Index Ventures 3 550 A

AttackIQ

|       |           |           |                           |   |      |  |
|-------|-----------|-----------|---------------------------|---|------|--|
| +     |           | 2018      | 8                         |   |      |  |
| <hr/> |           |           |                           |   |      |  |
| 2.5   | Twistlock |           | 3300                      | A |      |  |
| 8     | 15        | Twistlock | Dell Technologies Capital | 5 | 3300 |  |
| C     | Twistlock |           |                           |   |      |  |