

AWS Linux2  
Comcast VMWare Pure Storage  
Google  
Avere  
ET

2017  
" " Fortinet  
2018  
CES CheckPoint SandBlast NSS Labs  
(TCO)  
Infinity Total Protection  
CoreOS kubernetes  
CNCF Rook  
Docker LCOW Docker  
Linux Windows Bloomberg Kubernetes  
PowerfulSeal OpenStack Buoyant  
Kubernetes " Conduit" linkD  
VMware github Serverless Dispatch  
Open Whisper Systems Signal  
Skype E2E  
Skygofree Alphabet  
Chronicle  
Chrome 64  
Spectre  
4 8  
Threatcare 1 140 Savage Security

FireEye

X15 Software Sumo Logic

+

**1. AWS**

1.1 AWS Linux2

1.2 AWS

1.3 Comcast AWS

1.4

**2. VMware**

2.1 Pure Storage VMware

**3. GOOGLE**

3.1

**4. Azure**

4.1 Avere

4.2

4.3 AI

4.4 Azure

**5.**

5.1 BTV

5.2

5.3

5.4 EHPC -

5.5 CDN

5.6 CodePipeline - -CodePipeline( )

5.7

5.8 -

5.9

5.10

5.11 AI ET

**6.**

6.1

6.2 CDN

6.3 " +"

6.4 TCE AI

6.5 1

7.

7.1

7.2 " "

1. **Openstack**

1.1 Mirantis Ardrian Lonel CEO Openstack

2. **Easystack**

2.1 AWS+EasyStack re:Invent

2.2 EasyStack OpenStack

3. **99CLOUD**

3.1 " "

3.2 OpenStack

1.

1.1 2017

1.2 Meltdown Spectre

2.

2.1 Gartner IDPS

2.2

3.

3.1 " "

3.2 5G " "

3.3

4.

4.1 NIDS/NIPS " "

4.2 2017

5. **360**

5.1

5.2

5.3

6.

6.1 2017

6.2 " "

7.

7.1

7.2

- 9.1 Check Point Tecnnologies Infinity Total Protection
- 9.2 Check Point SandBlast NSS Labs  
(TCO)

**1. CoreOS**

+

# 1. AWS

## 1.1 AWS Linux2

1 3 AWS Linux

Linux2 Linux2

Linux 2 VMware Microsoft hyper-v

Oracle VM VirtualBox



Linux2 5 Bug

Linux2

1.2 **AWS**

1 10 AWS

1.3 **Comcast AWS**

1 16 AWS Comcast Cable AWS

Comcast Comcast

NBC Comcast XFINITY

XFINITY

NBC NBC Telemundo

1 17 Auto Scaling AWS

### 3. GOOGLE

#### 3.1

1 16 AlphaBet 5 3

### 4. Azure

#### 4.1 ~~Exercises~~

### 4.3 AI

1 22

" "

AI " "

### 4.4 Azure

1 23 Monza Cloud

Azure

AzStudio AzStudio

Microsoft Azure

40-60%

## 5.

### 5.1 BTV

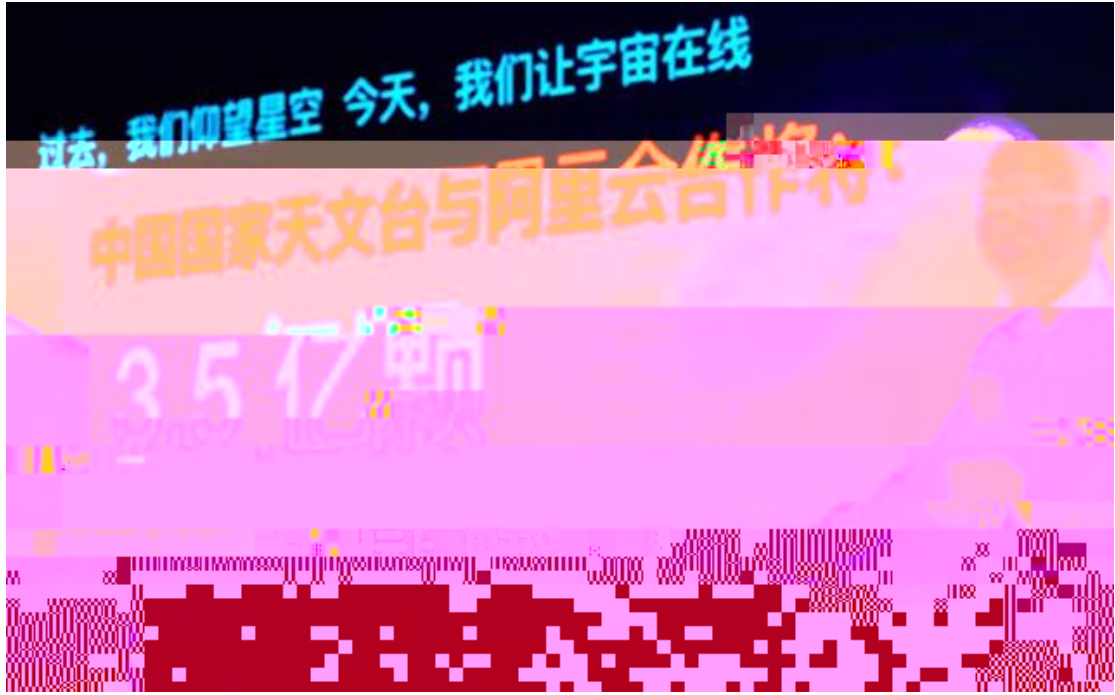
1 4

5.2

1 9

OSS NAS Plus

50



"

"

5.3

1 11

"

"

2017 2 " "+" " "

"

"

"

"

2018

5.4 **EHPC -**

1 11 EHPC E-HPC  
HPC

5.5 **CDN**

1 12  
2017 12 31 104  
70 CDN 147  
CDN

CDN

5.6 **CodePipeline - -CodePipeline( )**

1 15 CodePipeline CodePipeline  
/ Jenkins Jenkins  
SAAS CodePipeline

5.7

1 16

5.8 **-**

1 19 Cloud Call Center

IVR

5.9

1 19

+

5.11

**AI**

**ET**

1 29

MDEC

DBKL

ET

281

### 6.4 TCE AI

1 22 TCE

AI



TCE IaaS PaaS SaaS

9 50

TCE

AI TCE AI

API SDK

AI

TCE PaaS Spring Cloud

Mysql TDSQL

### 6.5 1

CCI - CCI

**Devmaster - Devmaster**

DevOps

TGit

**TGit**

**- TGit**

Devmaster

TGit



500

### 3.2 **OpenStack**

1 25 ,

## **1.**

### 1.1 **2017**

" " 2017 6 1

### 1.2 **Meltdown Spectre**

Google Project Zero Meltdown  
CVE-2017-5754 Spectre CVE-2017-5753/CVE-2017-5715 CPU

CPU

**2.**

**2.1 Gartner IDPS**

Gartner IDPS Intrusion Detection and Prevention Systems

Gartner

3.2

**5G**

"

"

IT

3.3

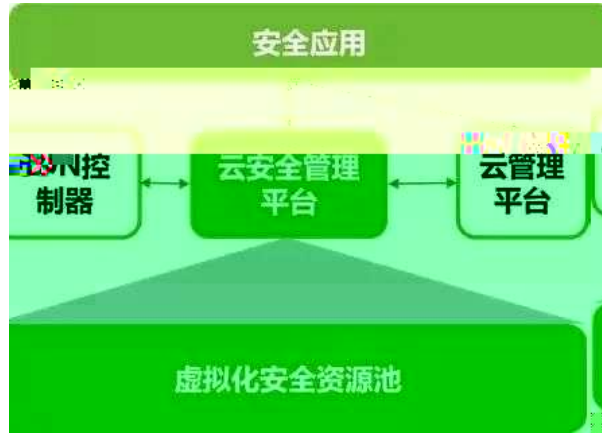
CPU

**4.**

4.1 **NIDS/NIPS** " "

2018 1 Gartner IDPS(Intrusion Detection and Prevention Systems

-



SDN







"

"

7.2

**Flyme"**

"

## **8. Fortinet**

### **8.1 Fortinet 2018 CES**

Fortinet

Fortinet FortiOS

R-Car H3

SoC

Fortinet Renesas CES

IPS DDoS

## 9. Checkpoint

### 9.1 Check Point Technologies      Infinity Total Protection

CheckPoint

APT

SDN

IOS      Android

EMM

### 9.2 Check Point SandBlast      NSS Labs (TCO)

"      "

## 1. CoreOS



## 2. CNCF

## -ROOK



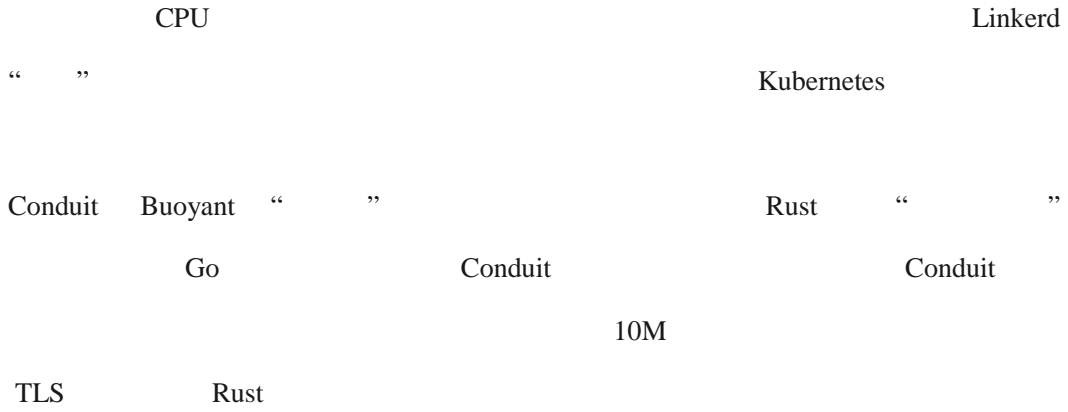


#### 4. Bloomberg Kubernetes

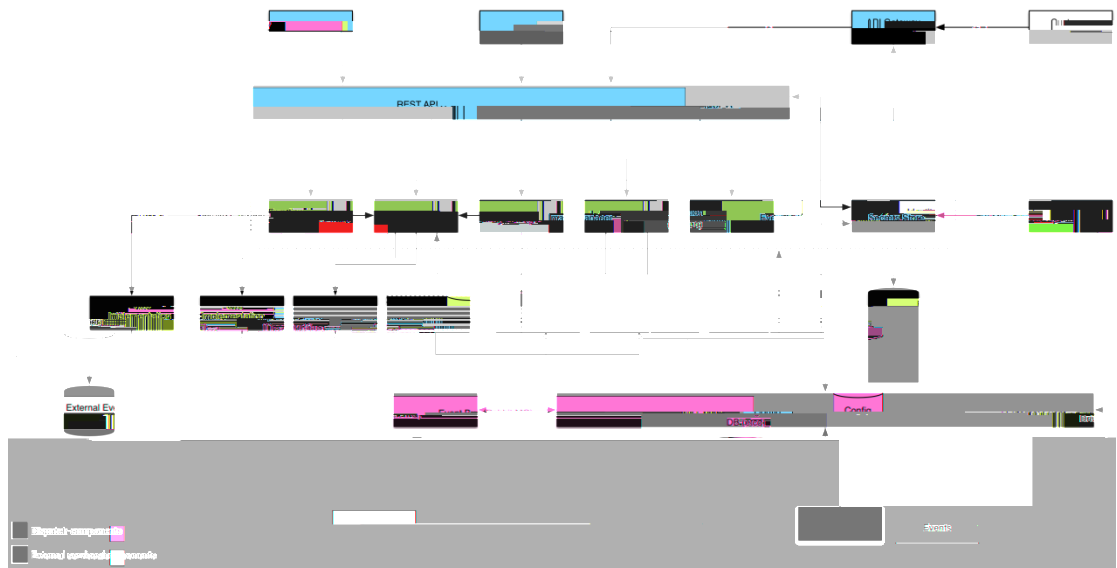
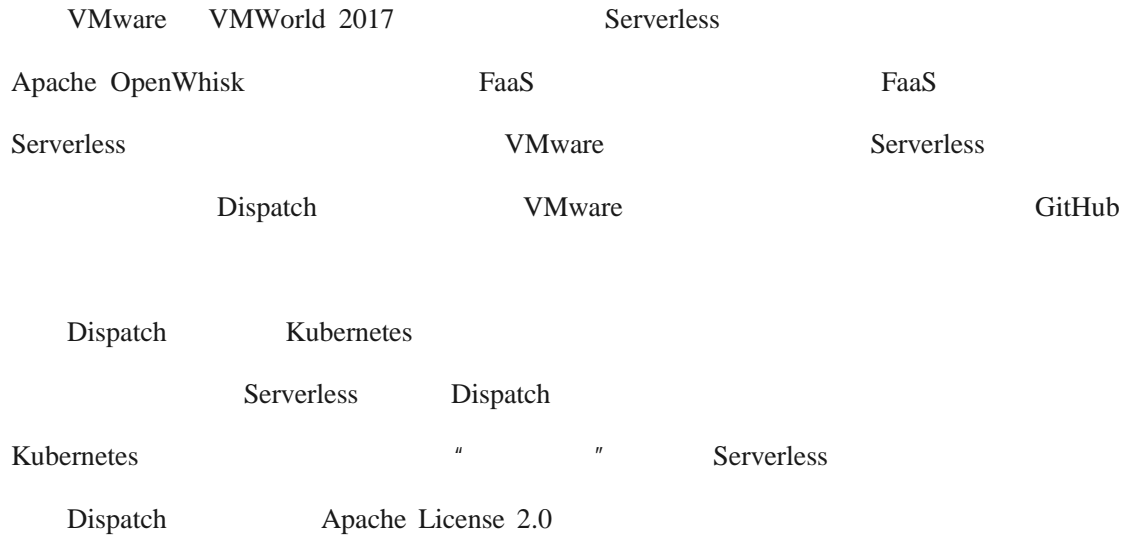
	Austin	KubeCon	Bloomberg
“PowerfulSeal”		Kubernetes	Pods
PowerfulSeal	“	”	Netflix Chaos Monkey
“		”	
PowerfulSeal	Python	Kubernetes	“ ”
OpenStack		PowerfulSeal	Python AbstractDriver

#### 5. Buoyant Kubernetes “Conduit”

	Linkerd	Buoyant	Kubernetes
“Conduit”	Conduit	Rust	Go Conduit
	Linkerd 2.0	Kubernetes	Buoyant
	Linkerd		
Linkerd	Finagle	Netty	Scala JVM



### 6. VMware github Serverless Dispatch



# 1. Signal Skype

Open Whisper Systems Signal  
Skype E2E Skype  
Skype  
Signal Facebook WhatsApp Facebook Messenger  
Google Allo  
E2E Skype

# 2. Skygofree

2014 Skygofree  
Android Accessibility  
Services WhatsApp Wi-Fi  
Skygofree  
2015 Skygofree  
Skygofree IT Skygofree  
IT " Negg" " Negg"  
Skygofree Skygofree exploit,  
root Android  
Skygofree shell C C

# 3. Alphabet

## Chronicle

Google Alphabet  
Chronicle 2016 X — Alphabet " "  
" "  
Chronicle  
Stephen Gillet Chronicle





**2.4 Cryptomove 600 A**

1 12 Cryptomove 408 Ventures 4 600 A  
CryptoMove