

+

2018 6

AWS Amazon Elastic Container Service for Kubernetes
Kubernetes AWS WAF
Amazon RDS for Oracle CPU
Amazon ECS CLI Docker Compose 3 Amazon API Gateway
API ElastiCache for Redis Redis 4.0 VMWare
AI
15 Azure
Azure Stack Azure
Stack AI Bonsai Azure
Cloud Foundry
mini ET IPv6
O2O
EI
Openstack
OS OpenInfra Days China EasyStack

2018 OpenInfra Days China

1T

X10800 GDPR 360

 SaaS

BitUN Fortinet Bradford

Networks

 Helm Kubernetes Visual

Studio Kubernetes Docker Hub 500

 Kubernetes 1.11 CoreDNS

 Google Chrome

 NX-OS OpenBSD Intel CPU

ConterTack

GoSecure

Zimperium

Mi3 Security

F-Secure

MWR InfoSecurity

CrowdStrike 2

E

Claroty 6000 B

Agari 4000 E

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AWS

1.1 Amazon Elastic Container Service for Kubernetes

6 5 Amazon Elastic Container Service for Kubernetes (Amazon EKS)

AWS Kubernetes Kubernetes

Amazon EKS Kubernetes AWS
Amazon EKS AWS Kubernetes
Amazon EKS Kubernetes Kubernetes
Kubernetes
Amazon EKS

1.2 AWS WAF

6 5 AWS WAF

Web API (a) (b)

CIDR

AWS WAF

URI

-

WAF

URL [https:// example.com/page?name1=value1&name2=value2](https://example.com/page?name1=value1&name2=value2)

IPv4 /16 /32 CIDR
AWS WAF IP IPv4
/8 /16 /24 /32 AWS WAF CIDR
10.21.3.44/31 10.21.3.40/29 10.21.3.45/17 IP IP
10000 CIDR AWS WAF
IPv6 CIDR /128 /64 /56 /48 /32 /24

1.3 Amazon ECS CLI Docker Compose 3

6 7 Amazon Elastic Container Service (Amazon ECS CLI)
Docker Compose 3 Docker Amazon ECS
Docker Compose Amazon ECS CLI
Amazon ECS
Amazon ECS Amazon ECS
CLI Docker Compose v3 Docker Compose
Docker Compose v2 Docker Compose v1
v2 v3 Amazon ECS CLI

1.4 Amazon API Gateway API

6 14 Amazon API Gateway API VPC
Amazon Virtual Private Cloud (VPC) API
API API Internet Amazon VPC
API REST API VPC
AWS Direct Connect
Amazon VPC VPC

1.5 Amazon ElastiCache for Redis Redis 4.0

6 14 Amazon ElastiCache for Redis Redis 4.0.10 Redis 4.0
● - LRU
Redis 4.0 LFU

LFU

- - Redis 4.0 MEMORY
Redis MEMORY DOCTOR
MEMORY USAGE
MEMORY MALLOC-STATS MEMORY
- PURGE MEMORY STATS
- - Redis 4.0
- Redis 4.0 DEL FLUSHDB FLUSHALL

Redis 4.0.10 ElastiCache for Redis

1.6 Amazon RDS for Oracle CPU

6	18	Amazon Relational Database Service (RDS) for Oracle									
CPU									Oracle		
									Intel		
		RDS Oracle		CPU					Amazon EC2		
CPU			X1	X1e							
		Oracle					I/O		CPU		
			vCPU				X1e.8xlarge		32		
vCPU			4	8	12	16	20	24	28	32	vCPU
			CPU								
		(BYOL)								vCPU	
		RDS Oracle								Intel HT	
CPU										Intel HT	BYOL



VMware

GOOGLE

3.1

AI

6 4

Maven

Diane Greene

2019

AI

Maven

Maven

9

Maven

IBM

3.2

15

6 15

15

1.89

2013

2016

1.35

YouTube

F bio Coelho

3300

Google.org Instituto Rede Mulher Empreendedora

81

13.5

Google tools

Coelho

1

2

30

99

Azure

4.1 Azure Stack

6 6

Azure Stack

Lenovo ThinkAgile SX for Microsoft

Azure Stack

CTO

CMO



Gartner

2020

+ 2018 6

90% Azure
Stack 4 3

FDM

CPU PCIe

4.3 AI Bonsai Azure

6 21

GitHub

Bonsai

Bonsai

Bonsai

Deep Reinforcement Learning

Bonsai

GPU

Brainware

Azure

Brainware

Azure

5.1 Cloud Foundry

2018 6 6

Cloud Foundry

Foundation

Cloud Foundry

Cloud Foundry Foundation

Cloud Foundry

Cloud Foundry

BOSH Cloud Provider Interface CPI

Cloud Foundry Application Runtime CFAR Cloud Foundry Container Runtime CFCR

CFCR Cloud Foundry Foundation Kubernetes BOSH

Cloud Foundry

Cloud Foundry Application Runtime

43

Cloud Foundry Foundation

The Foundry

Cloud Foundry

Cloud Foundry

5.2

6 7

IoT

5.3

mini

6 7

115

45

100PB

3M 100PB

360

115

2TB

2

16.65Gb/s



T mini
 mini 40GB
 mini KEY
 mini KEY

5.4 ET

6 7

AI
 ET ET

5.5 ET AI

6 19 2018 ET
 AI ET



AI ET

ET
ET AI

5.6

IPv6

6 20

IPv6

IPv6

IPv6 - -

IPv6

IPv6

5.7

6 21

5.8

6 26

80%

6 80%

10% 2015

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6.1

O2O

6 4

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O2O

2018 3 9

()

O2O

(H5 APP(IOS/Android)

)

O2O

APP

6.2

6 19

12.66

7.1

EI

ICT

6 26

AI

2018

EI

EI

AI

AI

Openstack

1.1 **Openstack**

6 20

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openstack

P

docker

Aneka

1.2

OS

OpenInfra Days China

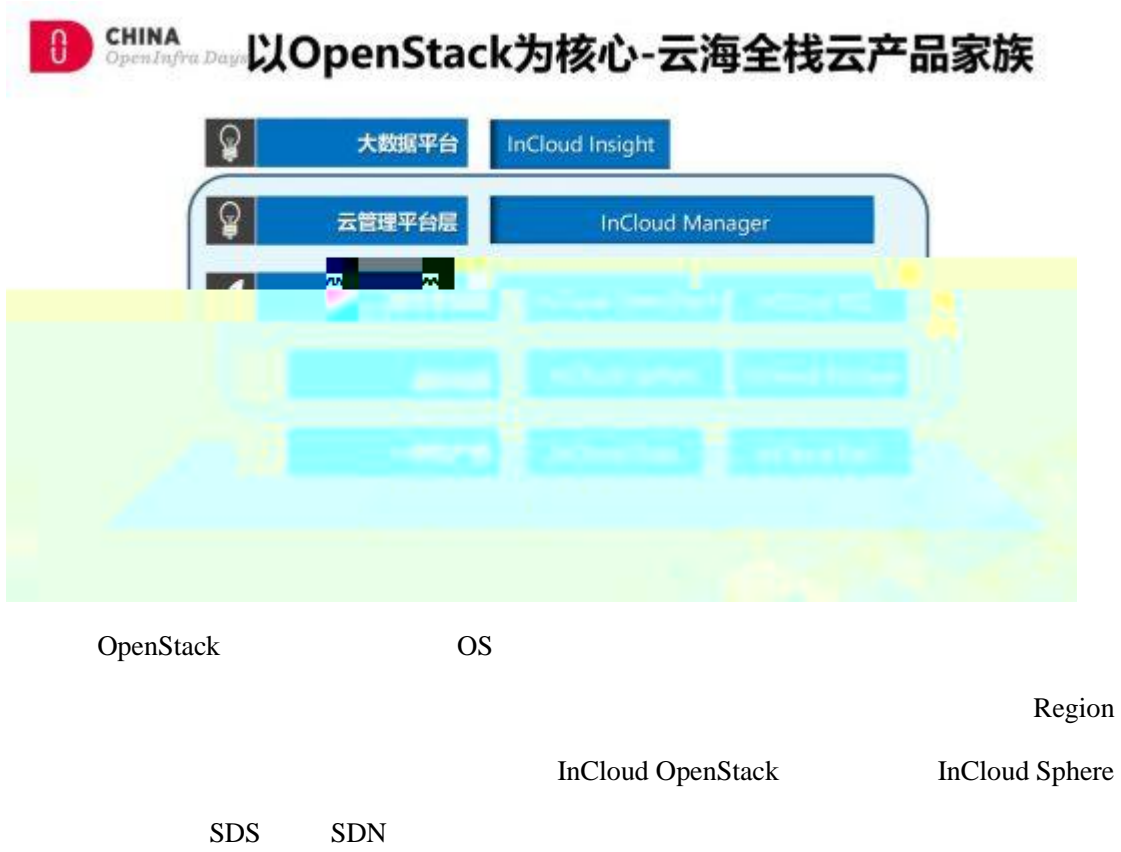
6 21

InCloud OpenStack

InCloud K8S

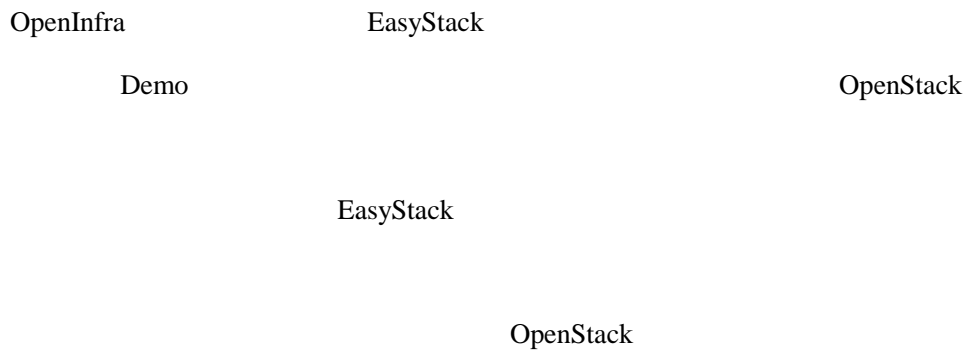
InCloud

Sphere



EasyStack

2.1 EasyStack



1.

1.1

IT ICT DICT

2.

2.1 **1T X10800**

2018 5 31

- AI

1T

X10800

AI

C2

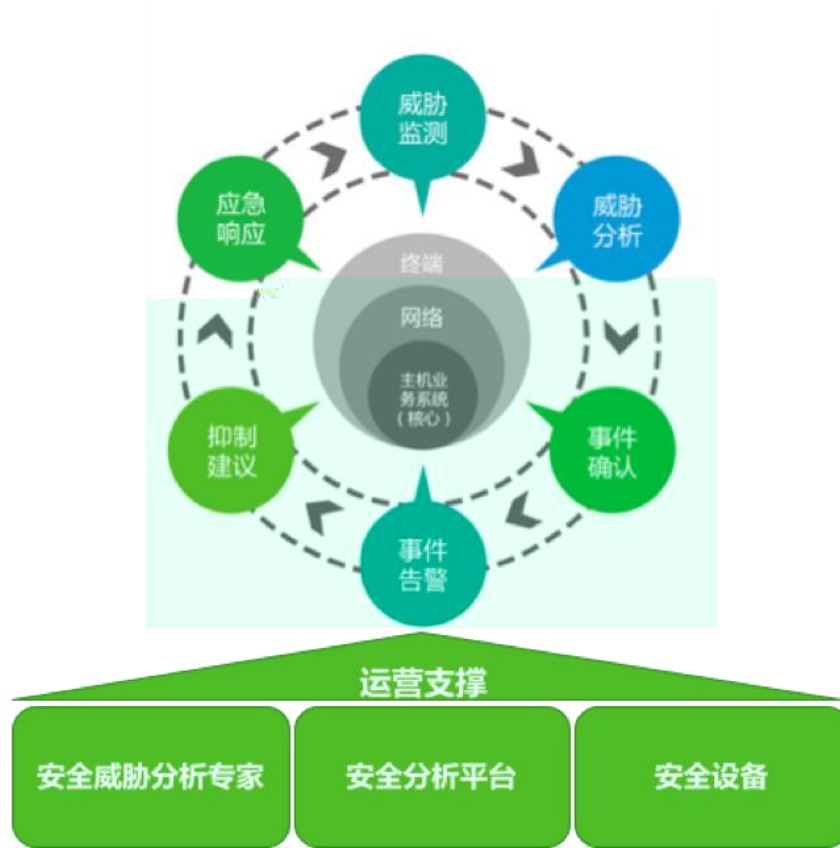
IP

2U

8 AI



3.



5. 360

5.1 360

6 6 360

360

5.2 360

360

6.

6.1 SaaS

UI



6.2

BitUN

6 26

BitUN

BitUN

BitUN

BitUN

BitUN

BitUN

BitUN

BitUN

OWASP Top 10

bug

BitUN

BitUN

7.

8. Fortinet

8.1 Fortinet

Bradford Networks

Fotint

Bradford Networks

Fortinet Security

Fabric IoT

9. Checkpoint

1. Helm Kubernetes

Helm helm
k8s
k8s helm CNCF CNCF

2. Visual Studio Kubernetes

Visual Studio Kubernetes
Kubernetes .NET Kubernetes
Kubernetes
Kubernetes Visual Studio Kubernetes
Visual Studio Kubernetes
Kubernetes
.NET Kubernetes Visual Studio
Dockerfile Helm chart Azure Dev Space
Azure Kubernetes

3. Docker Hub 500

6 14 Fortinet Kromtech 17 Docker

500

Web

Docker Hub

4. Kubernetes 1.11

CoreDNS

Kubernetes

Kubernetes

beta

SIG-API Machinery

SIG-Node

Kubernetes

IPVS

CoreDNS

DNS

5.

cookie

WWDC 2018

iOS

macOS

Facebook

GDPR

cookie

cookie

macOS

Mojave

iOS 12

WWDC

Google IO

Android

Google Photos

Bixby

Siri Shortcuts

6. Google

Chrome

Google

Chrome

Chrome

Chrome

Chrome

7.

6 7

PC

8.

NX-OS

5

30

5

NX-OS

NX-API

FXOS

NX-OS

root

DoS

Cisco

Nexus 4000 3000 9000

9. **OpenBSD**

Intel CPU

BUG

OpenBSD

Intel

CPU

(HT)

(SMT)

CPU

OpenBSD

Mark Kettenis

CPU

1.

1.1 Fortinet Bradford Networks

6 4 Fortinet Bradford Networks Fortinet
Bradford Networks

1.2 ConterTack GoSecure

6 6 ConterTack GoSecure ConterTack
(ETP)
GoSecure

1.3 Zimperium Mi3 Security

6 13 Zimperium Mi3 Security Zimperium

APP Android Network Toolkit Mi3 Security

1.4 F-Secure MWR InfoSecurity

6 18 F-Secure MWR InfoSecurity 8000
1988 F-Secure MWR
InfoSecurity

2.

2.1 OneLogin 2250 C

6 5 OneLogin 2250 C OneLogin
OneLogin

2.2 Claroty 6000 B

6 11 Claroty Aster 9 6000 B Claroty

2.3 Gospel Technology 140

6 18 Gospel Technolog LocalGlobe 140 Gospel
Technolog

2.4 CrowdStrike 2 E

6 19 CrowdStrike Accel 4 2 E
CrowdStrike McAfee CTO George Kurtz
Dimitri Alperovitch 2011 Irvine Falcon

2.5 Liongard 125

6 20 Liongard 125 Liongard Roar MSP
Roar

AWS Microsoft Office 365 Active Directory SQL internet
DNS Recon SSL Cisco Meraki

2.6 Cylance 1200 E

6 20 Cylance Blackstone Tactical Opportunities 1200 E
Cylance

2.7 **Agari** **4000** **E**

6 21 Agari Alloy Ventures 6 4000 E

Agari