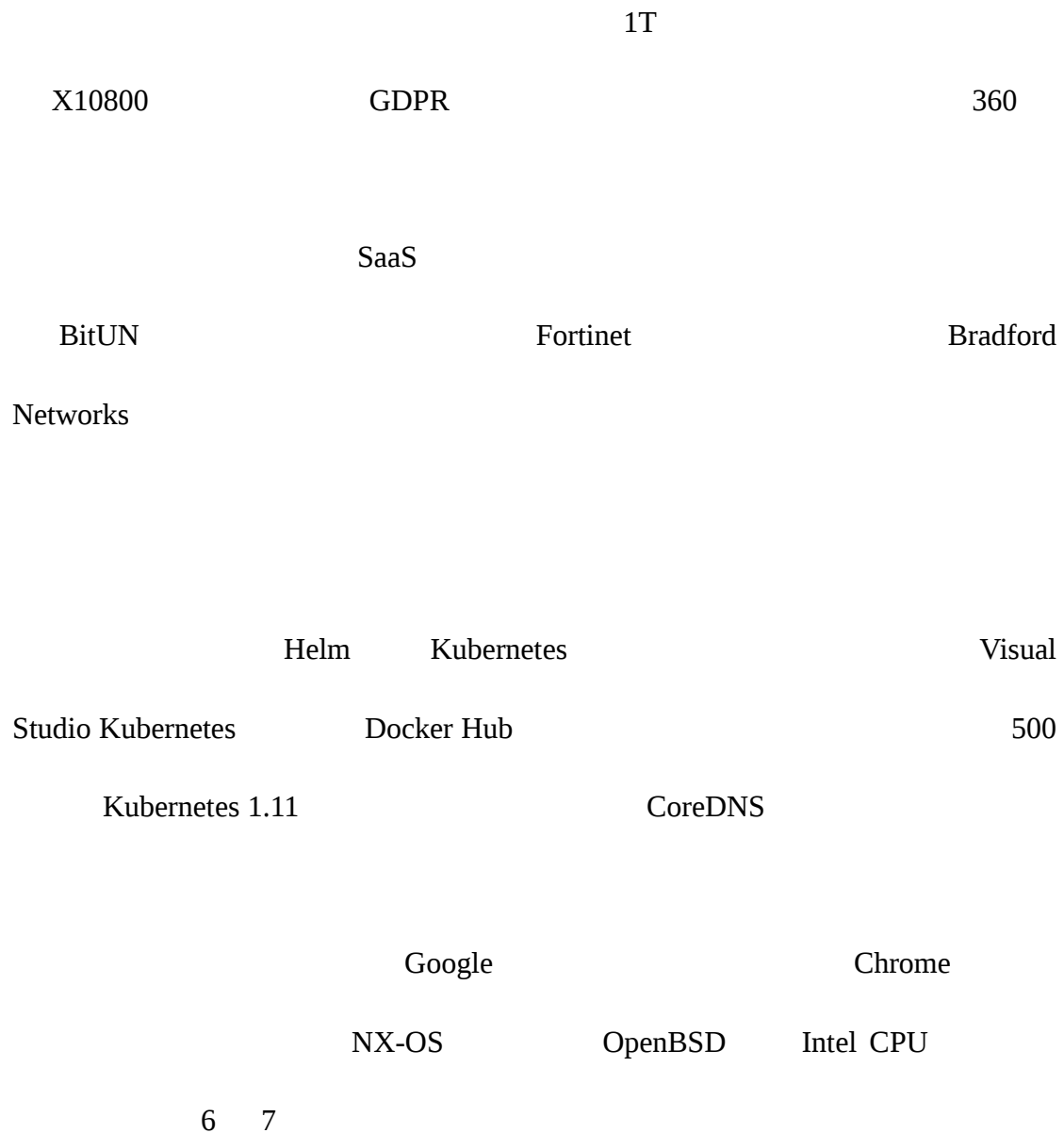


+

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



ConterTack

GoSecure

Zimperium

Mi3 Security

F-Secure

MWR InfoSecurity

CrowdStrike 2

E

Claroty

6000

B

Agari

4000

E

2018 6 30

+

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)

												+	2018		6																														
												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																													

- - Redis 4.0 MEMORY DOCTOR
Redis 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

6 18 Amazon Relational Database Service (RDS) for Oracle

6



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

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

KEY

mini

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 +

6.1 O2O

6 4 () 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 --

openstack P docker

Aneka

1.2 OS OpenInfra Days China

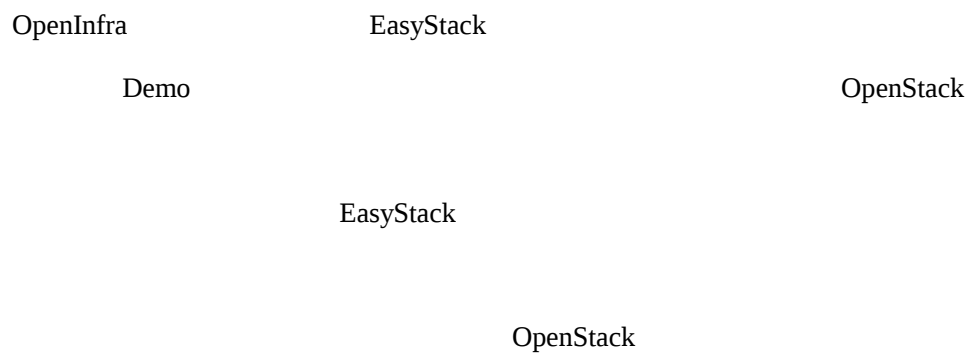
6 21 InCloud OpenStack InCloud K8S InCloud

Sphere



Easystack

2.1 EasyStack



1.

1.1

IT ICT DICT

2.

2.1 1T X10800

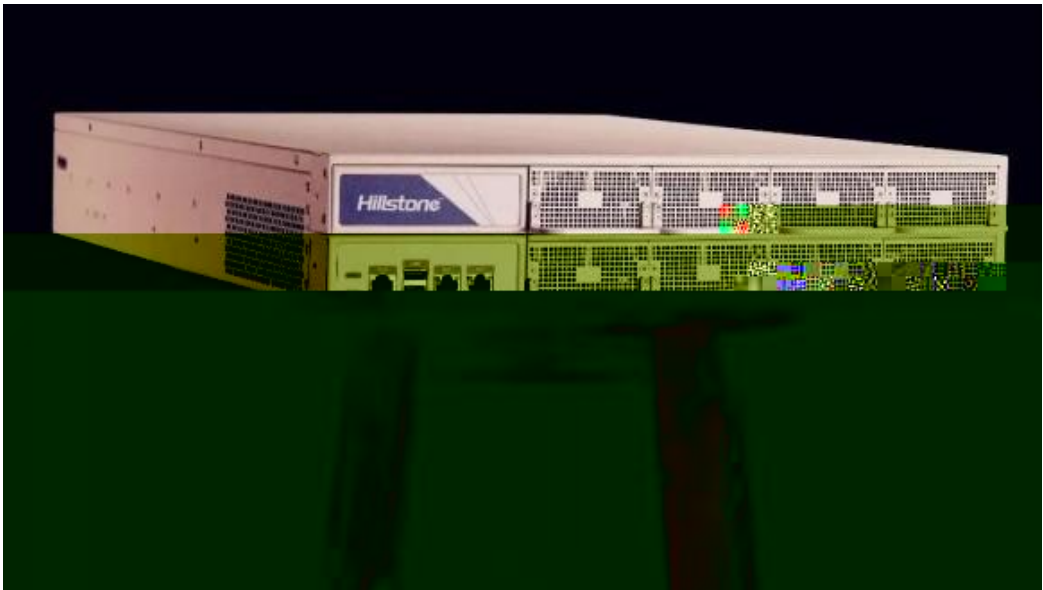
2018 5 31 - AI

1T X10800

AI C2 IP

2U

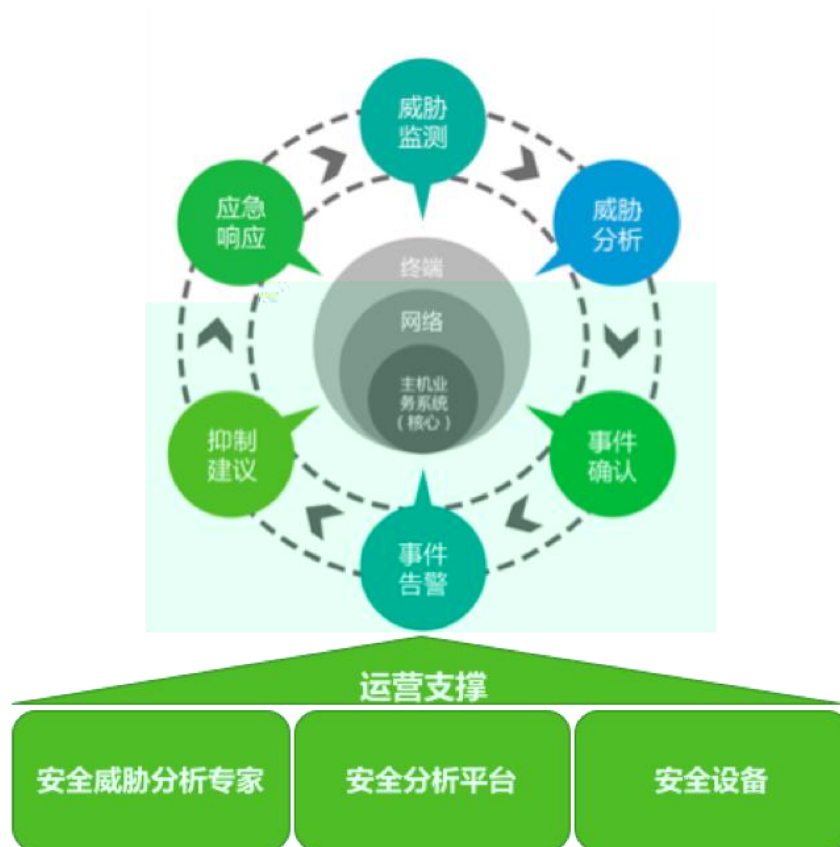
8 AI



3.

MDR

1



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

