

AWS GOOGLE

AWS

Azure

AWS 4TB

VMware

WEB

ONF

360

2017

10

360

CNCF

Notary

The Update

Framework Datadog

CIR-O 1.0

Kubernetes

OCI

DockerCon2017 Euro

Docker

Swarm

Kubernetes

NetBSD, OpenBSD

	+	2017	10		
				BGP	SIDR
			10		
	8		IPO		
	ForeScout	10		IPO	IPO
1	8				2000
	IT			Skybox Security	CVC Capital Partners
		Pantheon			1.5

+

1.	AWS	
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1.2	AWS	

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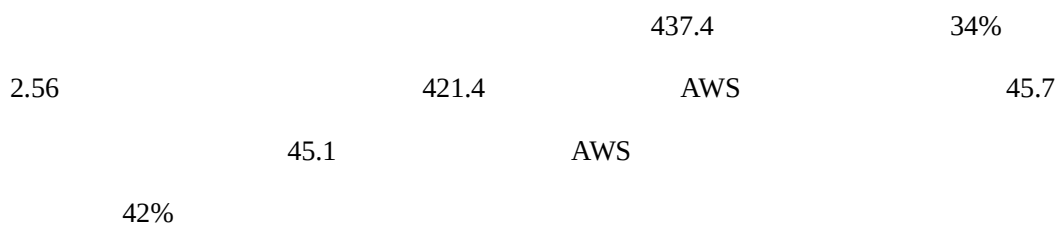
2.

2.1	Skybox Security	1.5			16
2.2	KnowBe4,LLC	3000	B		16
2.3	CrowdStrike	2500	D		16
2.4	Duo Security	7000	D	10	17
2.5	SecurityScorecard Inc.	2750	C		17
2.6	Attivo Networks	2100	C		17
2.7	Contrast Security	3000	C		17

+

1. AWS

1.1 AWS



1.2 AWS

5G IoT

AWS 5G IoT



AWS



Nuage Network

SD-WAN

AWS



5G

AWS



AWS Greengrass

MEC

IMPACT



AWS 6

Greengrass

AWS

AWS Lambda

1.3 Salesforce AWS

Salesforce AWS 3 Salesforce
 Salesforce Salesforce
 Salesforce AWS Telstra
 Salesforce AWS Salesforce

1.4 AWS 4TB

AWS EC2 x1e.32xlarge EC2 4TB
 DDR4 Intel Xeion E7 8880 v3 Haswell 2.3GHz 128 vCPU L3
 AWS 25Gbps
 x1e.32xlarge AWS 1. 2.
 3. 4.
 Azure 2TB Google 416GB AWS
 26.688
 38.688

2. VMware

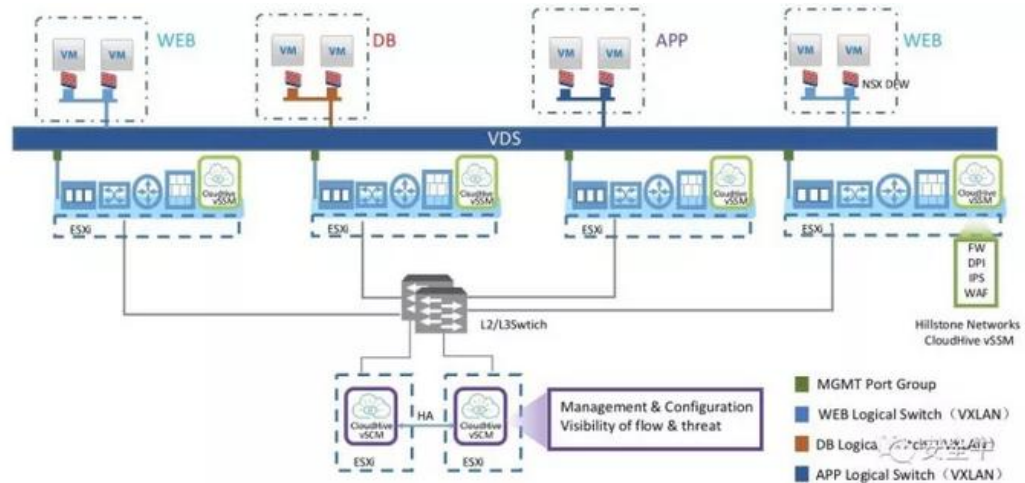
2.1 VMware

VMware VMware vCloud Air Network
 VCAN vCAN
 vCAN vCAN

2.2 VMware F5

VMWARE F5

2.3	VMware		NSX	
2017	10	24	VMWARE	NSX
.			(vNIC)	NSX (DFW)
DFW				
DFW			ESXi	vSSM



3. GOOGLE

3.1

Google			Google	Kubernetes
		Google		
Istio	API	Apigee		
		Google Cloud Platform		
runtime				

3.2

Alphabet

Alphabet		Alphabet	277.72
224.51	24%	Alphabet	67.32
50.61	33%		
		Google other	34.05
40%		30.9	42%
		15%	

4. Azure

4.1 204

	2017	9	30	2018			
245				12%	66		16%

204							
				Office 365 commercial, Azure, Dynamics 365,			
				Office 365 commercial			
	42%	Dynamics 365		69%	Azure		90%
Azure		90%					
Azure			93%	93%	97%	90%	

4.2 Azure AWS

				Cloud Services Map			
	Azure	AWS					
		RightScale		2017			1.8

4.3

						Predix	
	Azure						

4.4 Azure

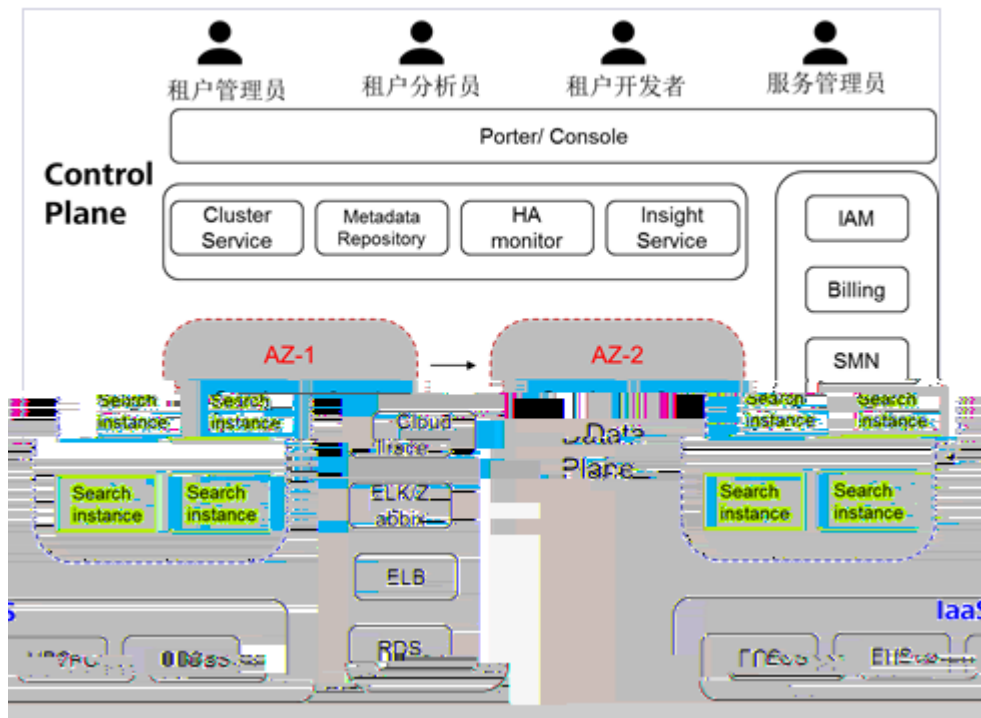
				Government Cloud Forum 2017			Azure
Government Secret							
				Government Cloud			
blockchain-as-a-service							
6							
				FedRAMP			

	+	2017	10	
4.5				15
			15	37
				CountyKerry
4.6		Cray		
			Cray	Cray
	Azure			
			/	/
4.7	Azure	OpenBSD		
		OpenBSD 6.1	OpenBSD	
		UNIX		
			OpenBSD	
5.				
5.1		NVIDIA		
	NVIDIA	DLI		
	NVIDIA GPU			
			NVIDIA	
5.2		Link		
	2017	.	Link	
	Link			ICA
5.3				
	2017			

6.

6.1

IT



7.3

2017 10 23

1. Openstack

2. Easystack

3. 99CLOUD

3.1 ONF , SDN

(Open Networking Foundation) ONF

OPENCORD

Linux

CNCF

SDN

SDN

1.

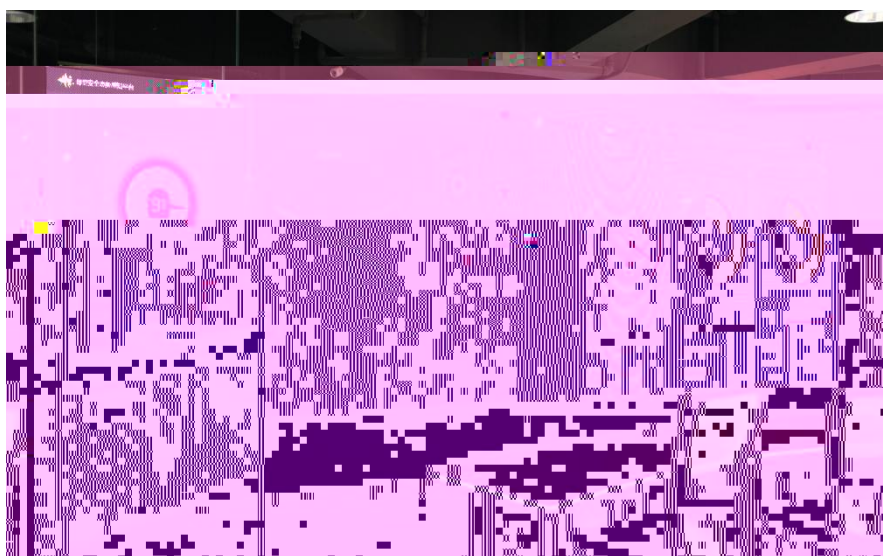
1.1

VMware**NSX**

NSFOCUS TVM

3.2

	20		vCPU	320
400G B	20T B	10		



4. 360

4.1 360

2017

	8	2017
11	12	360

360

4.2

360

360

360

360

360

360

5.

5.1

Data Security Maturity Model

DSMM

5.2

10

14

17

5.3

2017

2017

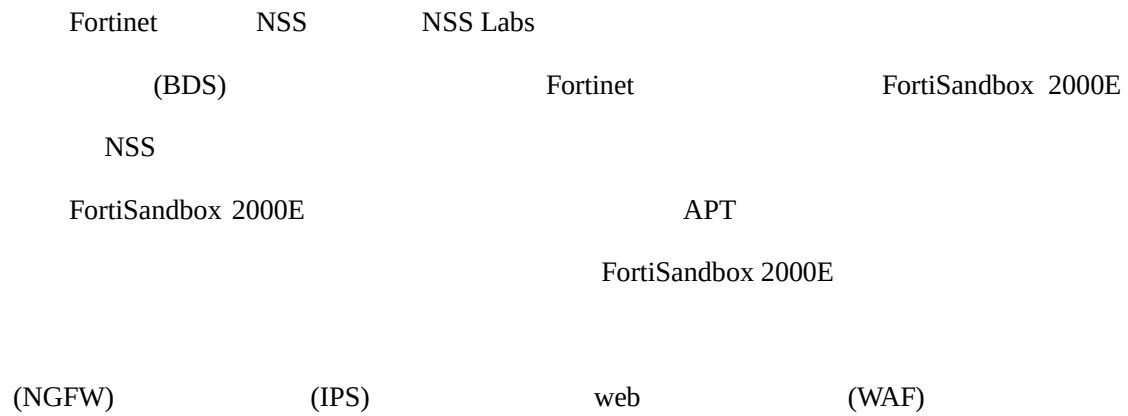
2.0

6.

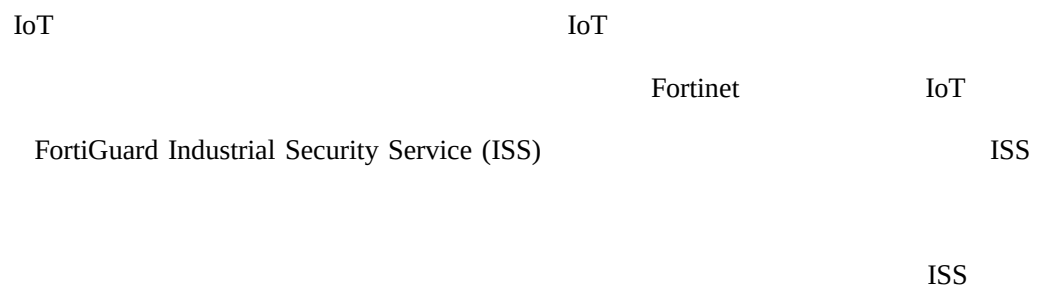
7. Fortinet

7.1 Fortinet

NSS



7.2 Fortinet



Fortinet

FortiOS

FortiGate FortiSIEM Secure Access FortiGuard Threat Intelligence Advanced Threat Protection

7.3 Fortinet Oracle FortiGate

Fortinet Oracle Partner Network(OPN) FortiGate (VM)

Oracle

FortiGate (VM) BYOL Oracle Cloud

FortiGate (VM)

8. Checkpoint

1. CNCF Notary The Update Framework

CNCF Notary The Update Framework Notary

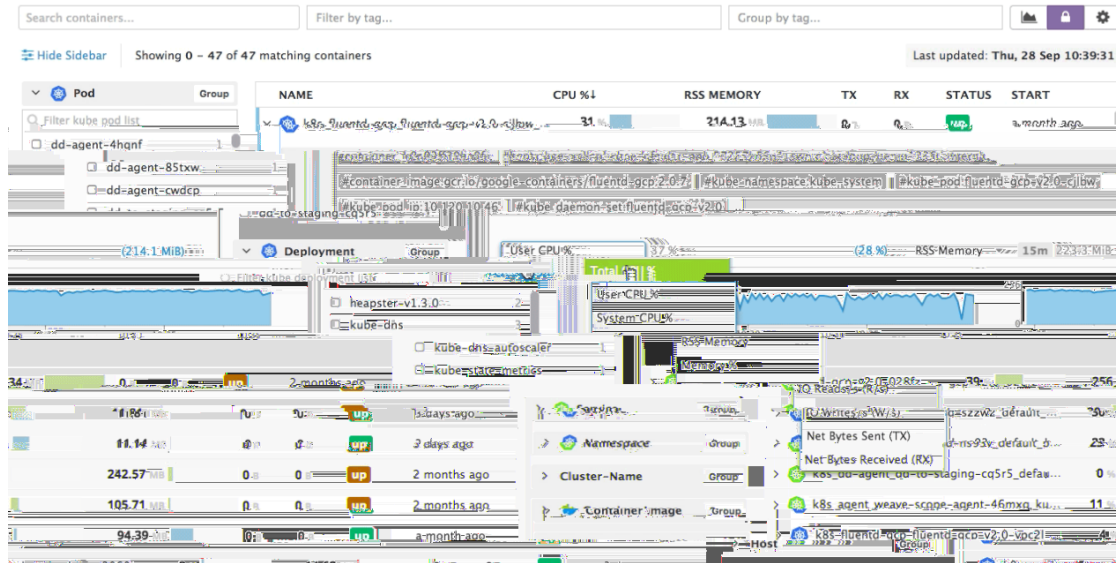
2. Datadog

Datadog

CPU I/O

2

Docker Kubernetes AWS ECS



3. CRI-O 1.0

The diagram illustrates the components and their interactions in a container ecosystem. At the top, 'CRI-O' is connected to 'Kubernetes'. 'Kubernetes' is connected to 'CRI'. 'CRI' is connected to 'Open Container Initiative'. 'Open Container Initiative' is connected to 'OCI'. 'OCI' is connected to 'Containerd'. 'Containerd' is connected to 'CRI-O'.

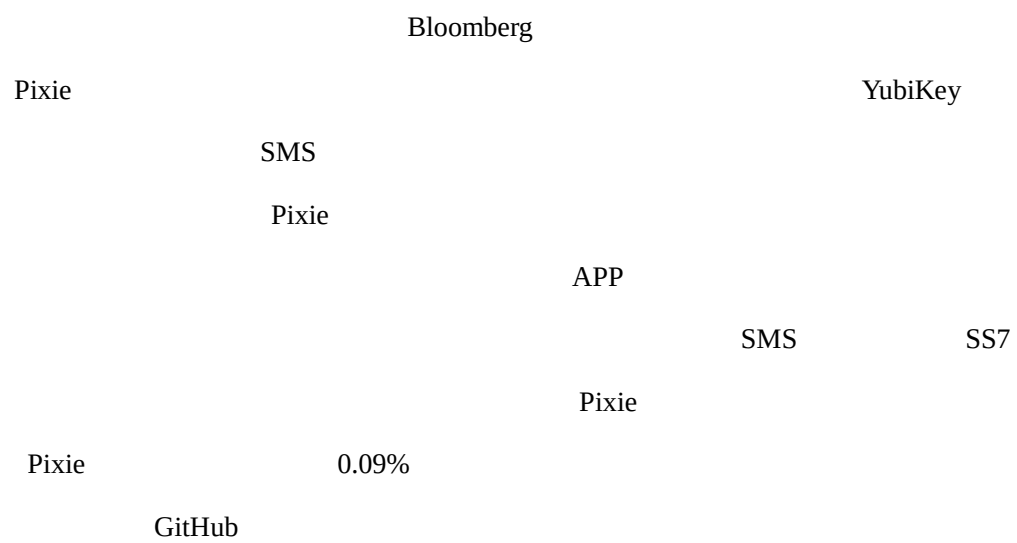
```

graph TD
    CRI-O --- Kubernetes
    Kubernetes --- CRI
    CRI --- Open Container Initiative
    Open Container Initiative --- OCI
    OCI --- Containerd
    Containerd --- CRI-O
  
```

4. Docker Swarm Kubernetes

DockerCon2017	Euro 10	16-19	Docker	Swarm
Kubernetes	Docker Compose		Swarm	Kubernetes
Docker EE(Enterprise Edition)		Swarm	Kubernetes	2018 Q1
beta	www.docker.com/kubernetes			

1.



2.



3. NetBSD, OpenBSD

NetBSD 64 AMD ASLR KASLR
 NetBSD
 Maxime Villard bootloader
 kernel prekern OpenBSD KARL

4. SIDR BGP

SIDR SIDR
 Border Gateway Protocol
 20 80
 BGP
 IETF
 IETF
 SIDR RPKI
 BGP Origin
 RPKI BGP BGP
 BGP BGPsec IETF RFC 8205 8210

1. IPO

1.1 ForeScout Technologies IPO

10 26 ForeScout Technologies Inc
 IPO \$116,000,000 1.20
 ForeScout 300
 CounterACT
 500

2.

2.1 Skybox Security 1.5

10 25 IT Skybox Security CVC Capital Partners
 Pantheon \$150,000,000 Skybox Security
 IT
 90

2.2 KnowBe4,LLC 3000 B

10 24 KnowBe4,LLC Goldman Sachs Elephant \$30,000,000 B
 KNOWBE4

2.3 CrowdStrike 2500 D

10 19 CrowdStrike \$25,000,000 D CrowdStrike
 McAfee CTO George Kurtz Dimitri
 Alperovitch 2011 Irvine Falcon

2.4 Duo Security 7000 D 10

10 18 Duo Security Lead Edge Capital 6 \$70,000,000
D Duo Security
iOS

2.5 SecurityScorecard Inc. 2750 C

10 12 SecurityScorecard Inc. Nokia Growth Partners (NGP) 8
\$27,500,000 C SecurityScorecard

2.6 Attivo Networks 2100 C

10 11 2.6 Attivo Networks facebook customer service phone number 2
\$21,000,000 C Attivo Networks

SCADA

2.7 Contrast Security 3000 C

10 19 Contrast Security General Catalyst 2 \$30,000,000
C Contrast Security