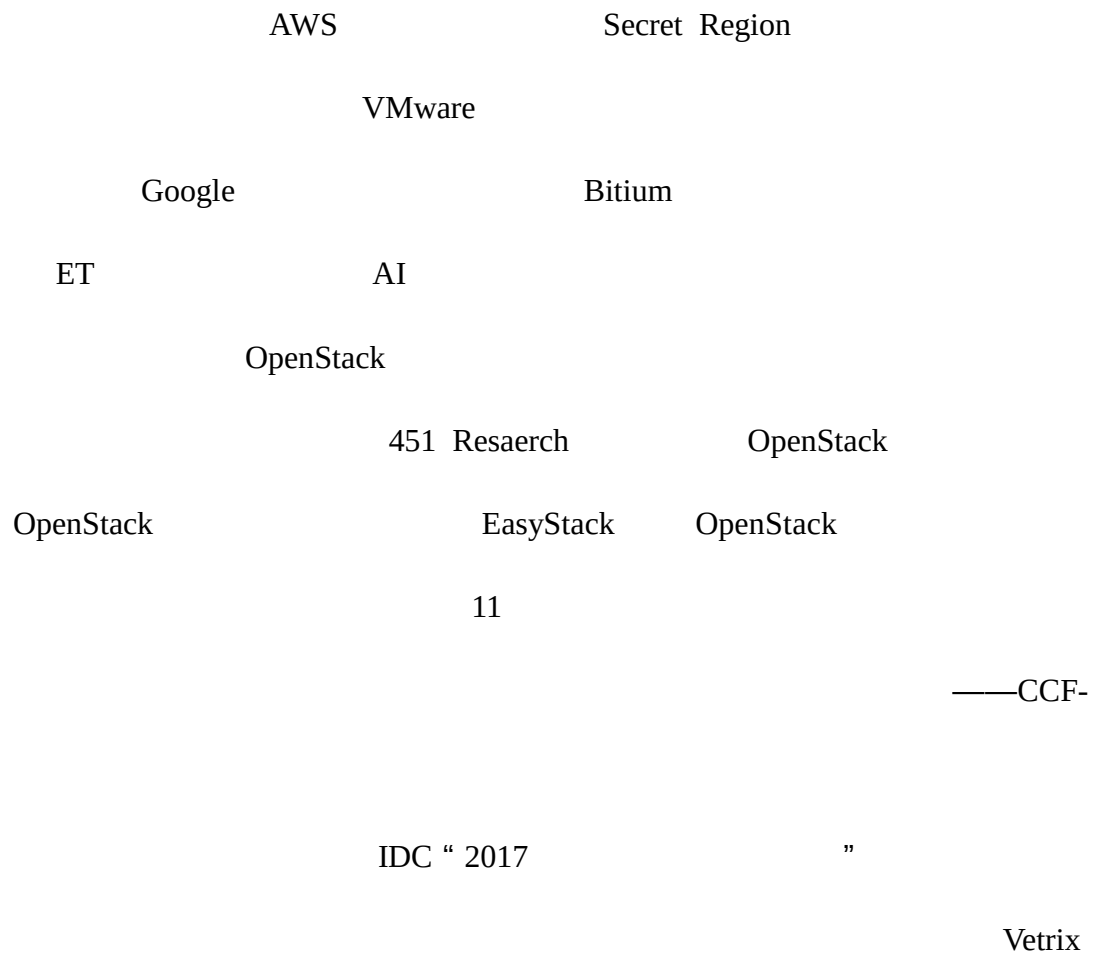




2017

“ ”

WEB

360

MSP

Fortinet

AWS

Fortinet

NEC

VM

LightVM

CNCF

Kubernetes

IBM

+

1. AWS

- 1.1 AWS
- 1.2 AWS “ Secret Region ”
- 1.3 AWS

2. VMware

- 2.1 VMware VeloCloud Networks
- 2.2 VMware

3. GOOGLE

- 3.1 Google 2018
- 3.2 GPU 36%
- 3.3 Bitium
- 3.4 Salesforce Google

4. Azure

- 4.1 Dynatrace Azure
- 4.2 VMware Azure
- 4.3 Azure IoT Edge AI
- 4.4 Apache Spark Azure Databricks
- 4.5 Azure
- 4.6 6 Azure
- 4.7 Azure Stack

5.

- 5.1 Kubernetes
- 5.2 CDN 25%
- 5.3
- 5.4 Link 50%
- 5.5
- 5.6 ET AI
- 5.7 FIFA 6
- 5.8 “ ”
- 5.9 “ ” “ ”

6.

- 6.1
- 6.2 SUPERMIND
- 6.3

6.4 CNCF K8S

6.5

6.6

6.7 +

7.

7.1 OpenStack

7.2 “ ” 10

1. Openstack

1.1 OPENSTACK

1.2 OpenStack

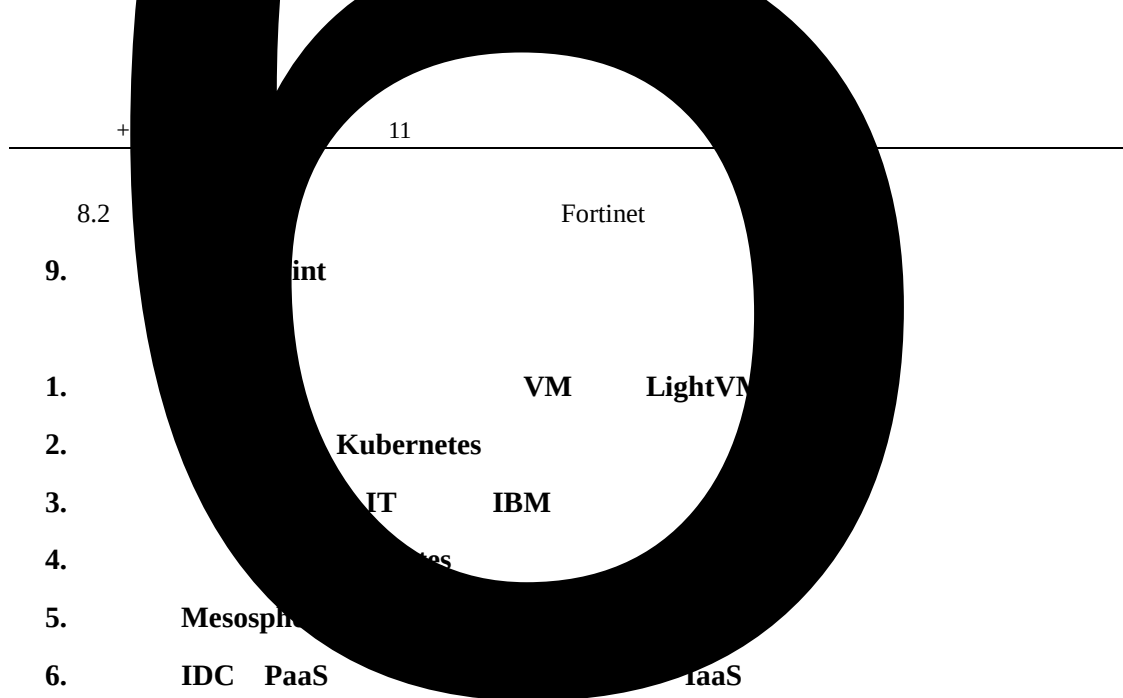
1.3 OPENSTACK

2. Easystack

2.1 EasyStack OpenStack

1.

1.1



Region		
Sensitive	Secret	Top
Secret		

Gluon

Python

VeloCloud Networks

VeloCloud Networks, Inc.	VeloCloud
SD-WAN	

InCloud Rail 1020

2

4

InCloud Rail

TCO

InCloud

Rail

60%

30000IOPS

50000IOPS

I/O

5

IOPS



3. GOOGLE

3.1 Google

2018

6

3.2

GPU

36%

Nvidia Tesla GPU

36

K80 GPU

0.45

P100

1.46

3.3 Bitium

Bitium Bitium
Google
Cloud G Suite
Bitium 2012
Google Apps Office 365 CRM

3.4 Salesforce Google

Salesforce
G Suite
Salesforce AWS
Salesforce Google Google G Suite Salesforce
Salesforce

4. Azure

4.1 Dynatrace Azure

Dynatrace Microsoft Azure Azure
Web
Azure Dynatrace
Dynatrace Azure
Dynatrace
Dynatrace Azure Azure
.NET Core

4.2 VMware Azure

Azure Migrate Azure Migrate
VMware

VMware

4.3 Azure IoT Edge AI

Azure IoTEdge

Azure IoT Edge IoT IoT

4.4 Apache Spark Azure Databricks

11 15 Scott Guthrie



Azure Databricks Apache Spark Azure Databricks
Apache Spark
Azure SQL Azure Azure Cosmos DB Azure Active
Directory Power BI

4.5 Azure

Ignite Azure

100 TB

NAS (SMB CIFS)

256 AES

Kubernetes Prometheus containerd

Kubernetes

CNCF

CNCF

Kubernetes

Cisco Docker

IBM

5.6 ET AI

11 15

ET



ET

128

15.3%

4.6

500

92%

120

ET

5.7 FIFA

6

FIFA

“

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FIFA

2022

5.8

“

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“ +”



IT

IT

IT

5.9

“ ” “ ”

“ ”

“ ”

“ ”

6.

6.1

IaaS

“ ”

6.2

SUPERMIND

Supermind

Supermind

Supermind

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6.4

CNCF K8S

CNCF(Cloud Native Computing Foundation)

Certified Kubernetes

Conformance Program

32 Kubernetes

CCS(Cloud Container Service)

6.5

2017

“ ”

“ ”

SaaS

“ ”

6.6

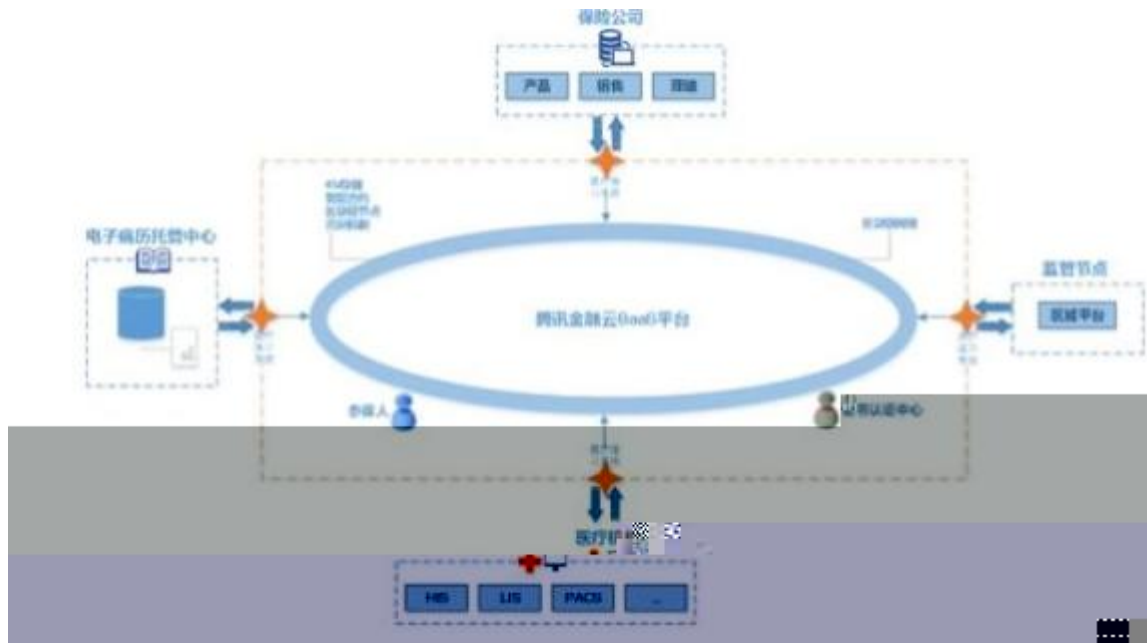
2017

BaaS

Blockchain as a Service

“ ”





7.

7.1

OpenStack

2017 OpenStack

OpenStack

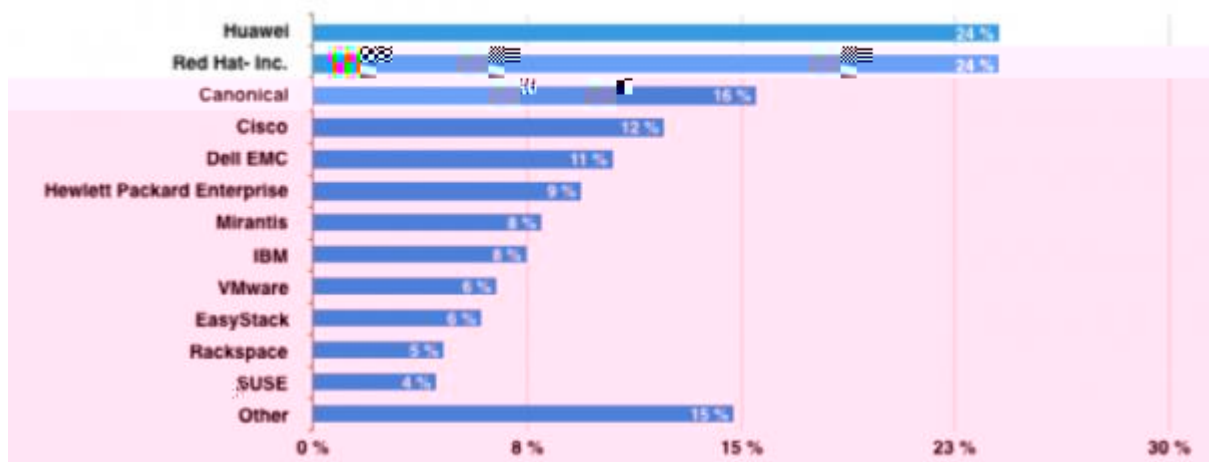
OpenStack

OpenStack

OpenStack

FusionSphere

Which vendor's products power your OpenStack cloud?



OpenStack EasyStack
 Red Hat Canonical Cisco Dell Hewlett Packard Enterprise Mirantis
 IBM VMware EasyStack Rackspace SUSE
 7.2 “ ” 10
 " " 10 AR/VR

1. Openstack

1.1 OPENSTACK

OpenStack 1052
 OpenStack 2016 95% 2017 1000
 OpenStack OpenStack

OpenStack OpenStack 3 2016 50%
 China UnionPay China Mobile

	+	2017	11					
2017 OpenStack				OpenStack				8
OpenStack			8					Canonical
EasyStack		HuaWei		Mirantis	Oracle	Red Hat	SUSE	VMware

1.

1.1

“ 2017 ”

2005 M2S
SaaS 1000+

2000 100+ “ ”

1.2

400

500

Vetrix

SDS

VTAP

2.

3.

3.1

2017

2017

“

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WannaCry

100

URL

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MSP

WFBSS

IT

3.3

2017

2017

“ + ”

4.3 Web SB

Web SB

NSFOCUS WAF

- Web

4 – 7

NSFOCUS WAF

- DDoS 1 Gbps TCP flood

HTTP/S GET/POST flood NSFOCUS WAF NSFOCUS

DDoS DDoS

- PCI DSS PCI

PCI-DSS 3.2

SB SoftBank Group Corp

Alibaba Group

5. 360

5.1 360

360

" "



6.

6.1 “ ”

≠

6.2

WAF

Db

IP 300G DDOS

CC +

+7*24 Ailpha

7.

7.1

“ ” “

”

7.2

2015

➤

➤

➤

➤

8. Fortinet

8.1 Fortinet

Amazon Web

Fortinet

Amazon Web Services(AWS)

Fortinet

AWS

(APN)

AWS

Fortinet AWS

AWS

Fortinet

“

”

AWS

Fortinet

AWS

8.2

Fortinet

Fortinet

11

Fortinet

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1. NEC

VM

LightVM

		Xen			
	unikernel	Linux			
LightVM		unikernel	4ms		Linux
	fork/exec	1ms	Docker		150ms
MEC		ClickOSunikernel	8000	64	AMD
	10ms		LightVM		cell
			JITSU	CDN	TLS
		AWS Lambda			
Micropython	unikernel	Python			
1.3ms					
	800				

Kubernetes

IBM

Kubernetes

Docker

Kubernetes

PaaS

IBM Cloud Private

Elasticsearch

Kibana

Grafana

4.

Worldwide Semiannual Public Cloud Services Revenue, Market Share, and Year-over-Year Growth, 1H17 (revenues in US\$ millions)

Segment	1H17 Revenue	1H17 Market Share	1H16 Revenue	1H16 Market Share	Year-over-Year Growth
IaaS	\$11,236	17.8%	\$8,138	16.6%	38.1%
PaaS	\$8,567	13.6%	\$5,702	11.6%	50.2%
SaaS	\$43,400	68.7%	\$35,310	71.8%	22.9%
Total	\$63,260	100%	\$49,179	100%	28.6%

Source: IDC Worldwide Semiannual Public Cloud Services Tracker, 1H17

PaaS

Docker

Cloud

Foundry

67%

540

25%

1. Windows 10

11

Windows10

Win10

6

TPM

RAM

2. Tick

“ Tick ”

Tick

Bronze Butler

REDBALDKNIGHT

Gofarer

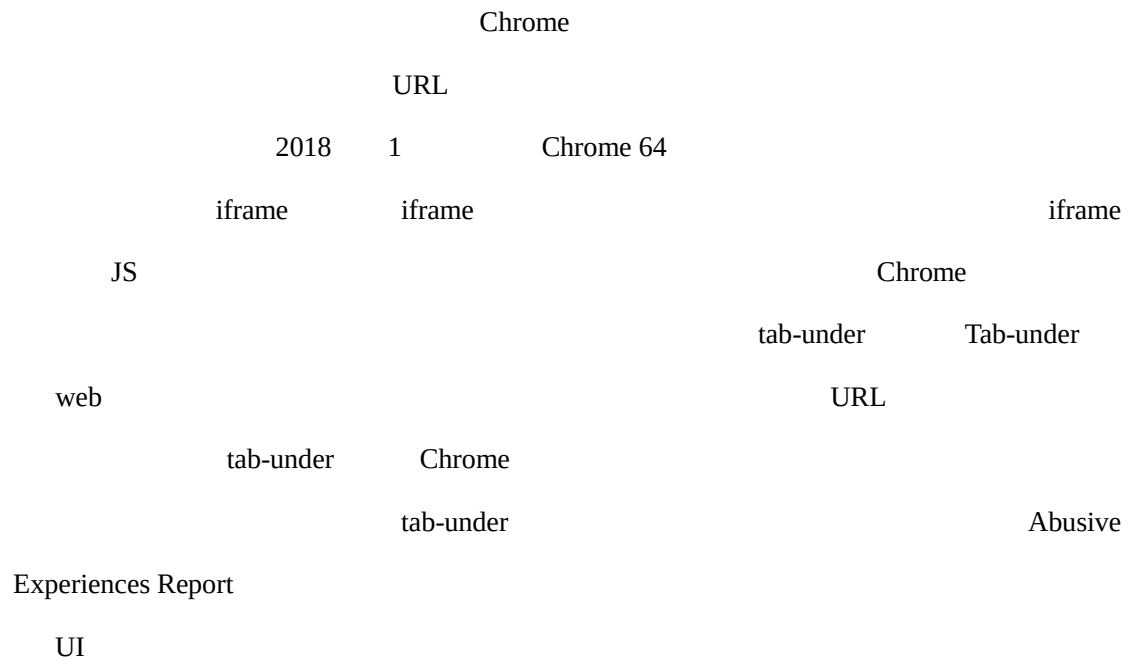
Daserf

shell

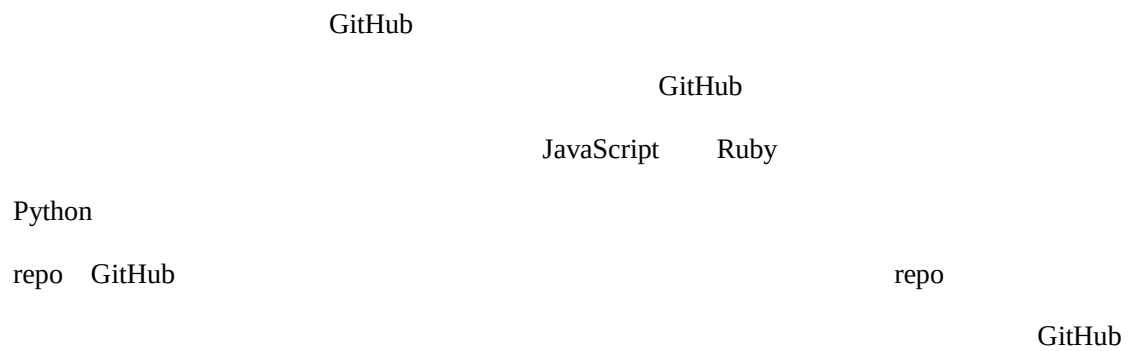
Daserf

Daserf

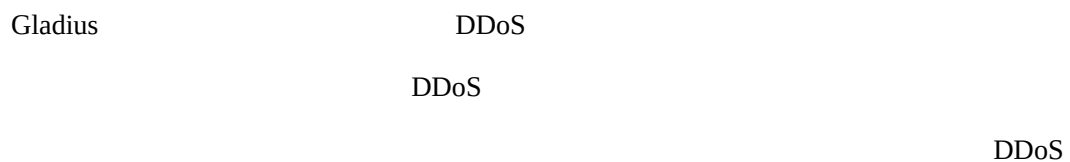
3. Chrome



4. GitHub



5. Gladius



2.

2.1 NeuVector

700

A

11 9 NeuVector

HWV

Hummer Vantage Venture Partners

New Gen Capital

700

A

NeuVector

7

NeuVector

2.2 Treasury Intelligence Solutions 1200

C

11 9

Treasury Intelligence Solutions