AWS Secret Region

VMware

Google Bitium

ET AI

OpenStack

451 Resaerch OpenStack

OpenStack EasyStack OpenStack

11

——CCF-

IDC “ 2017 ”

Vetrix

2017

“ ”

WEB

360

MSP

Fortinet AWS

Fortinet

NEC VM LightVM

CNCF Kubernetes IBM

..... *i*

**+** ..... *1*

..... *1*

**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

*.....14*

**1. Openstack**
1.1 OPENSTACK
1.2 OpenStack
1.3 OPENSTACK

**2. Easystack**
2.1 EasyStack OpenStack

*.....16*

**1.**
1.1

8.2 Fortinet

**9. Checkpoint**

*.....24*

**1. NEC VM LightVM**

**2. CNCF Kubernetes**

**3. IT IBM**

**4. Kubernetes**

**5. Mesosphere DC/OS Azure**

**6. IDC PaaS SaaS IaaS**

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 “

” FIFA 2022

## 5.8 “ ”

“ +”



IT

IT IT

5.9 “ ” “ ”

“ ”

“ ”

“ ”

# 6.

## 6.1

IaaS

“ ”

## 6.2 SUPERMIND

Supermind Supermind

Supermind

( )

## 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

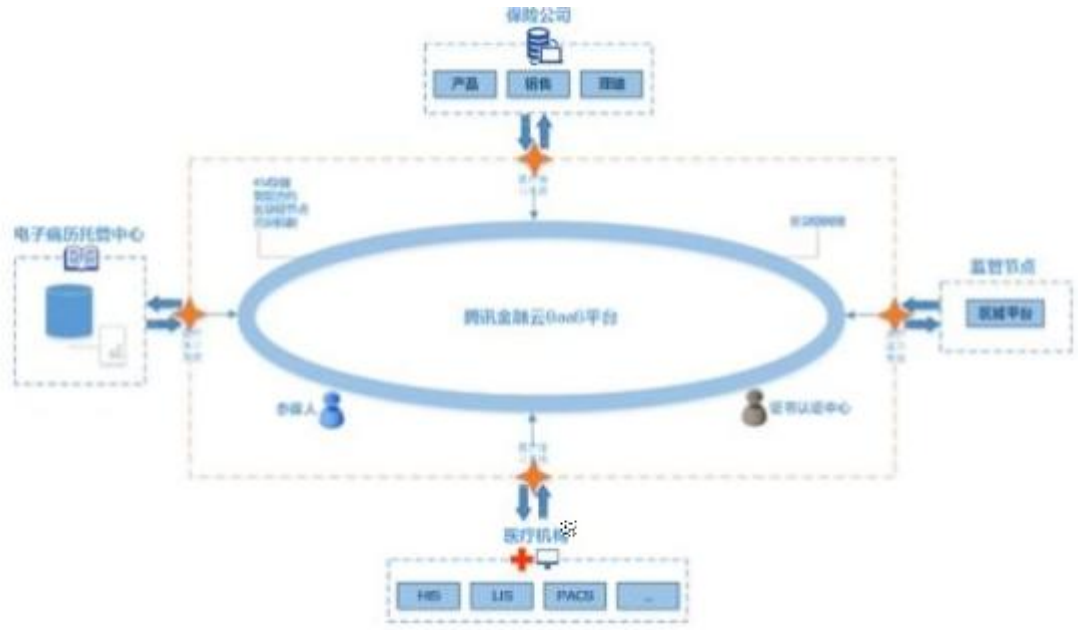
2017 BaaS

Blockchain as a Service

“ ”


业务服务层(Application Layer)
数字票据
股权交易
供应链金融
积分管理
电子存证
分享经济
机构清结算
...
腾讯区块链即服务层(Tencent BaaS Layer)
共识算法
用户管理
智能合约
基础服务
加密算法
p2p网络
数据存储
...
运营监控
配置管理
可视化监控
告警
DevOps

6.7 +




# 7.

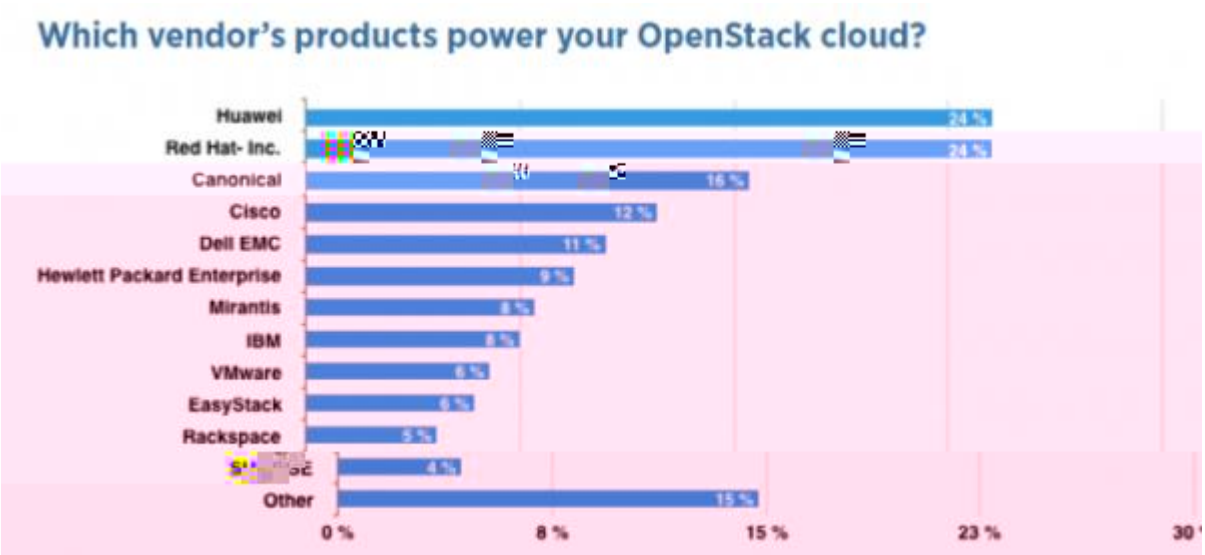
## 7.1 OpenStack

2017 OpenStack OpenStack

OpenStack

OpenStack OpenStack

FusionSphere



OpenStack EasyStack

Red Hat Canonical Cisco Dell Hewiett 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 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

+ 2017 11

Vetrix SDS VTAP

## 2.

## 3.

### 3.1 **2017**

2017 “

” WannaCry

100

URL

‘ ’

Ủ

MSP WFBSS

IT

## 3.3 **2017**

2017

“ + ”

ա

### 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 п Ŵ (APN) Ḅ п Ŵ AWS ضخ ضخ

Fortinet AWS

AWS Fortinet “ ”

AWS

Fortinet AWS

## 8.2 **Fortinet**

Fortinet 11

Fortinet

# 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

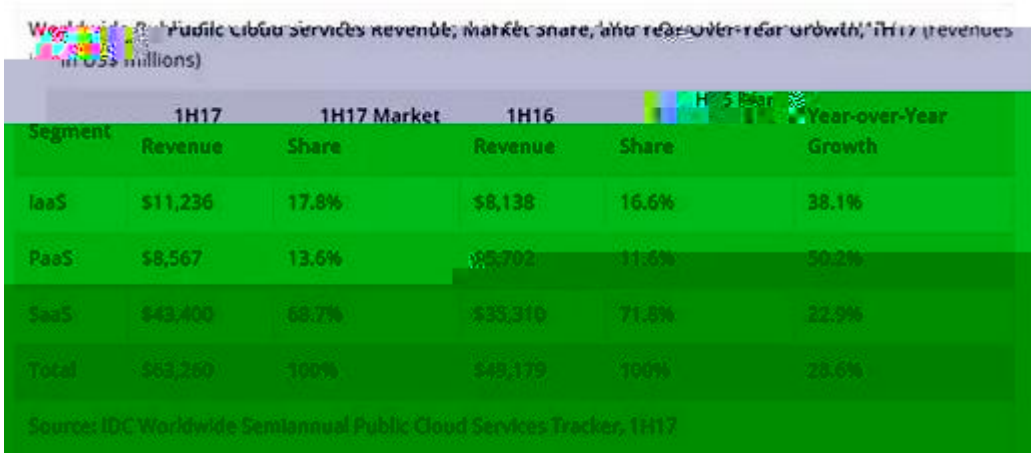
+ 2017 11

Kubernetes IBM Kubernetes Docker

Kubernetes PaaS IBM Cloud Private

Elasticsearch Kibana Grafana

## 4.



| 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% | [illegible] | [illegible] | [illegible] |
| SaaS | $43,400 | 68.7% | $33,310 | 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

Chrome

URL

2018 1 Chrome 64

iframe iframe iframe

JS Chrome

tab-under Tab-under

web URL

tab-under Chrome

tab-under Abusive

Experiences Report

UI

## 4. GitHub

GitHub

GitHub

JavaScript Ruby

Python

repo GitHub repo

GitHub

## 5. Gladius

Gladius DDoS

DDoS

DDoS

# 2.

## 2.1 NeuVector 700 A

11 7 NeuVector HWVP Hummer Winblad Venture Partners NewGen Capital 700 A NeuVector 7

NeuVector

## 2.2 Treasury Intelligence Solutions 1200 C

11 9 Treasury In⁄4MC2 Tf<1 11itions