2017

CASB

2017 9 30

7.5 12

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4.2 17

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5.1 360 17

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6.1 2017 18

6.2 18

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7.1 18

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2. Anchore-Engine

3. IBM LinuxONE

4. VMware VIC v1.2 Docker
5. Mesosphere DC/OS Beta Kubernetes
6. Aqua Security B 2500
7. Capsule8 A 600
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1. SQL Server Linux
2. Facebook ONNX
3. DHS IT
4. 2017
5. TPC
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1. 1.5 A+
2. + DeepBrain 3200
3. 3000 Pre-A
4. CASB
5. “ ” 1.2 B

+

1. AWS

1.1 Viacom AWS

UpGuard 8 30 mcs-puppet

AWS S3 72 .tgz Viacom

MTV VH1 Comedy Central

Viacom Manifest IT

Viacom AWS

Viacom AWS

UpGuard

- Viacom

- Viacom AWS Manifest

Viacom IT

Viacom IT Docker New Relic Splunk Jenkins

1.2 AWS EC2

AWS EC2 10 5

EC2 AWS

1.3 AWS AMD

AMD AWS AMD

AWS

AMD

AWS AMD Radeon Pro MxGPU GPU

16

AWS Amazon AppStream 2.0 AMD

AWS

1.4 AWS GPU

AWS Windows Amazon EC2 Elastic GPU

https://aws.amazon.com/ec2/Elastic-GPUs/ GPU

ElasticCompute Cloud GPU

2. VMware

2.1 VMware Pivotal Pivotal PKS

VMware Pivotal Pivotal PKS

vSphere Kubernetes

Pivotal PKS VMware NSX

GKE

Pivotal VMware PKS Project Kubo

2000 Kubernetes

Kubernetes

PKS

2.2 VMware Cloud on AWS

VMware AWS vSphere

VMware Cloud on AWS

VMware Cloud on AWS VMware

IT

VMware SDDC AWS Cloud

VMware vSphere

AWS

2.3 VMware 6

VMware

■ VMware Discovery

Discovery

IT

■ VMware Cost Insight

VMware Cost Insight IT

TEE

5.

5.1 E-HPC

9 12 E-HPC

E-HPC HPC as a Service

HPC

E-HPC

" "

5.2 FPGA F2

9 12 FPGA F2 Xilinx

FPGA

CPU 30

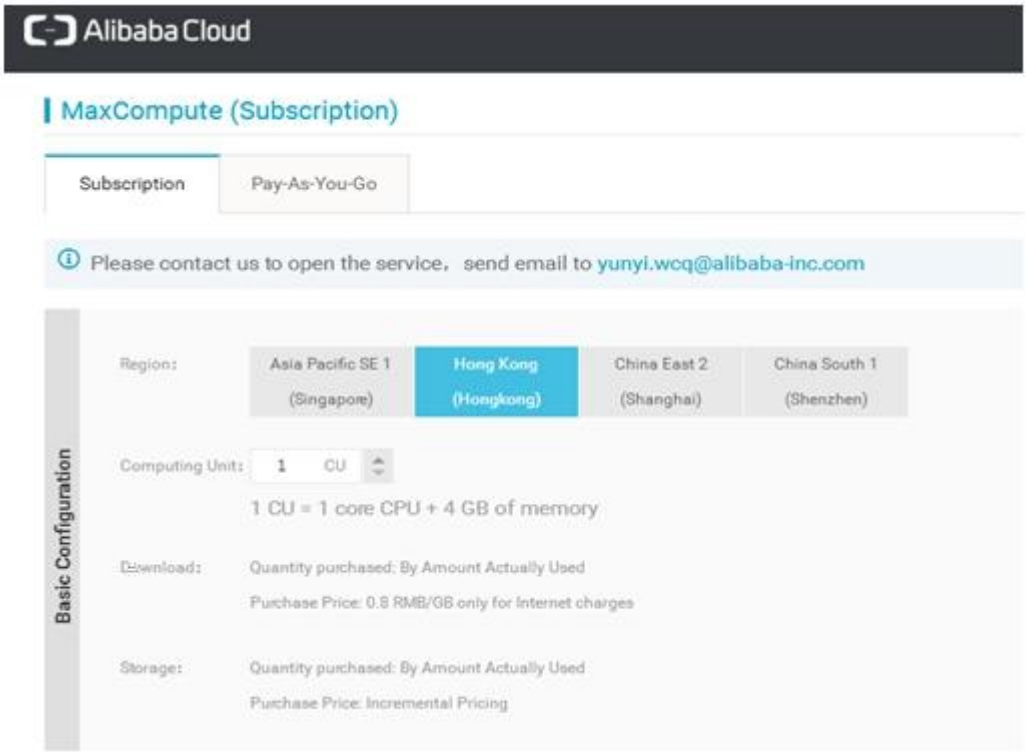
FPGA FPGA

GPU FPGA

FPGA

F2 CPU 30

5.3



MaxCompute

5.4

ID

AES zigbee

!

5.5

6.

6.1

6.2 QUIC

(CLB) QUIC(Quick UDP Internet Connections)

15%

QUIC 4G

Wifi

6.3

-
-
-

6.4

CVM

CVM 26

192

6.5

6.6

7.

7.1

IBM

7.2

HUAWEI CONNECT 2017 BU

CSA

23

3

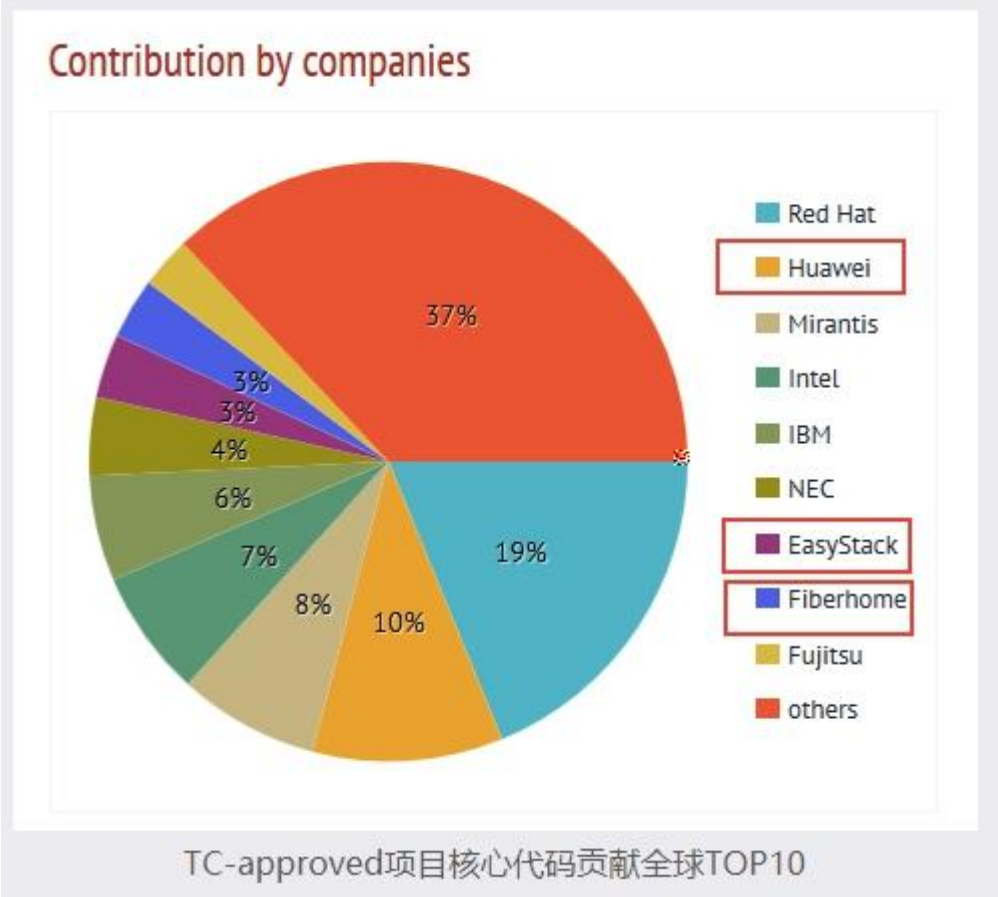
7.3 Fortinet CloudEPN

Fortinet Fortinet CloudEPN

21%

(TOP10) (TOP2) EasyStack(TOP7)

(TOP8) OpenStack



TC-approved项目核心代码贡献全球TOP10

2．Easystack

2.1 EasyStack SaaP

SaaP IaaS PaaS SaaS

	IaaS	PaaS	SaaS	SaaP
服务对象	偏 IT 人员	开发者	偏业务人员	各类人员
服务种类	基础资源	基础应用+开发框架	基础应用+行业应用	各类资源及应用
体系架构	依资源类别，使用者可基于定义的资源规格选择	环境约束，开发者很难针对框架中某些模块进行自由选择	行业属性，只能依据服务提供的功能模块选择	微服务、模块化、可灵活组合，用户可随需而远，约束性小

EasyStack SaaP

SaaP

3．99CLOUD

3.1 **Linux** **CNCF**

(99CLOUD Inc.) Linux Linux

Linux

99cloud CNCF (Cloud Native Computing Foundation)

THE LINUX FOUNDATION
Projects
Membership
Events
Training
Resources
About
CLOUD NATIVE COMPUTING FOUNDATION
About
Projects
Certification
People
Community
Newsroom
AMIHAN
APCERA
Aporeto
APPRENDA
aqua
bitnami
CANONICAL
CapitalOne
Centrify
CHEF
cloudsoft
ContainerSolutions
CRUNCHY
DaoCloud

1.

1.1

Web

2.

2.1 2017

2017

2.0 ; Web UI ;

NFV

3.

3.1

" "

" +" " "

3.2 2017

2017

ML

4.

4.1 100G+ NIPS 2017

2017

360 360 360 360

6.

6.1 2017

6.2

7.

7.1

CNCERT

2017

7.2 2017

2017

7.3

2017

8. Fortinet

8.1 Fortinet

Fortinet (R&D)

Fortinet

- Fortinet 2000

- Fortinet 1000

Fortinet

8.2 Fortinet SD-WAN

Fortinet (IDC) 2017

Fortinet

Fortinet

SD-WAN

9. Checkpoint

9.1 CheckPoint 2017 8 " "

Check Point 8

RoughTed 18 12

8 Globe Imposter

6 Hacker Defender 4

1. Twistlock 2.2

9 21 Twistlock 2.2

Twistlock John Morello 2.2

(AI)

2. Anchore-Engine

2017 9 11 Anchore-Engine

Anchore 2.0

DevOps

Anchore-Engine API

Anchore-Engine Service API

- / Docker Register
-
-
- / Webhook

Anchore Jenkins Kubernetes

Anchore-Engine

Kubernetes Image Policy Webhook Kubernetes

Anchore-Engine Anchore

3. IBM LinuxONE

IBM LinuxONE Docker Kubernetes

IBM LinuxONE

IBM

IBM (LPAR) LPAR

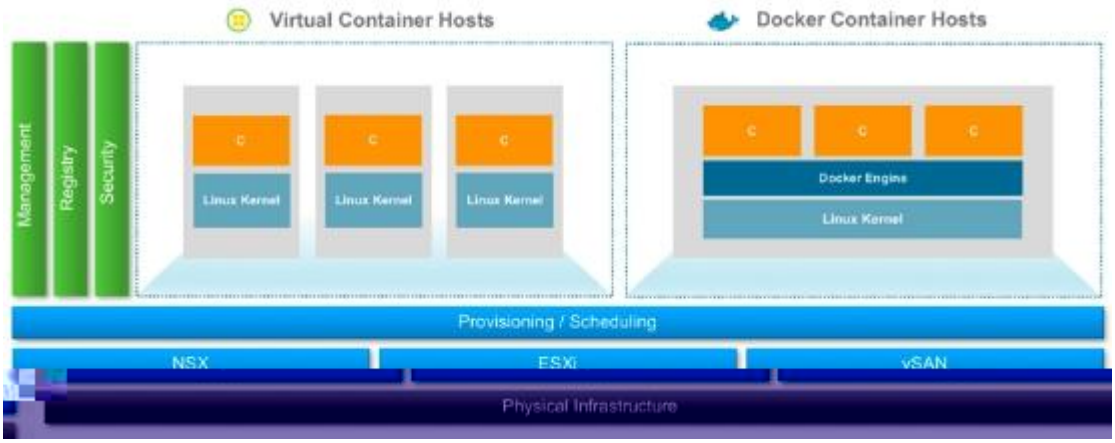
IBM crypto

4. VMware VIC v1.2 Docker

vSphere Integrated Containers v1.2 Docker

IT

IT



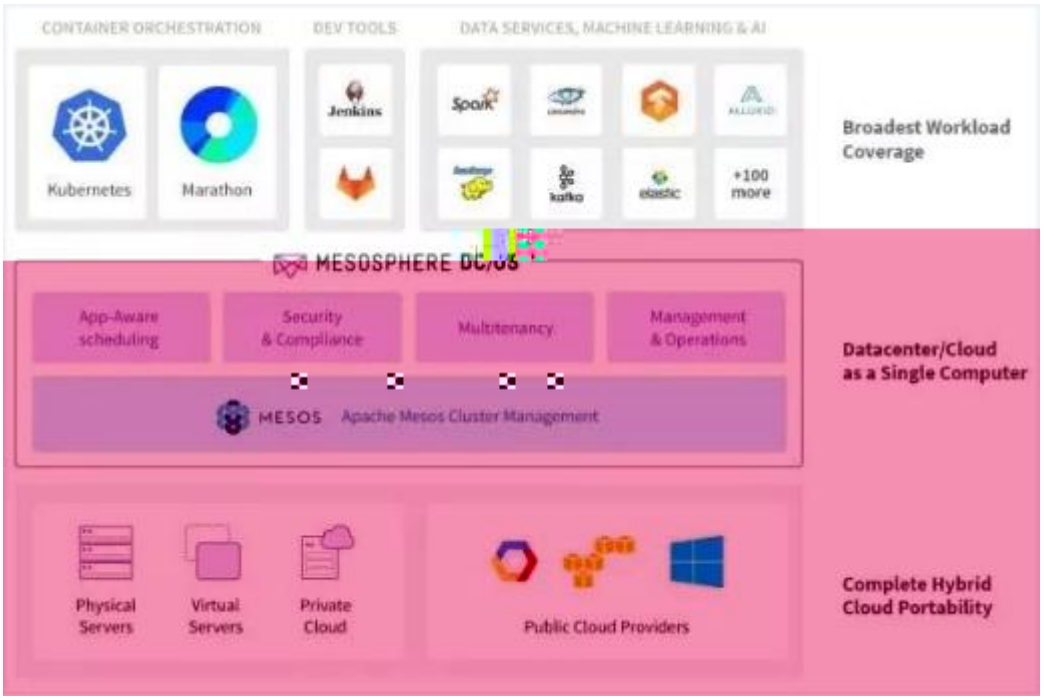
5. Mesosphere DC/OS Beta Kubernetes

Mesosphere

Kubernetes CI/CD DC/OS

Kubernetes

Kubernetes



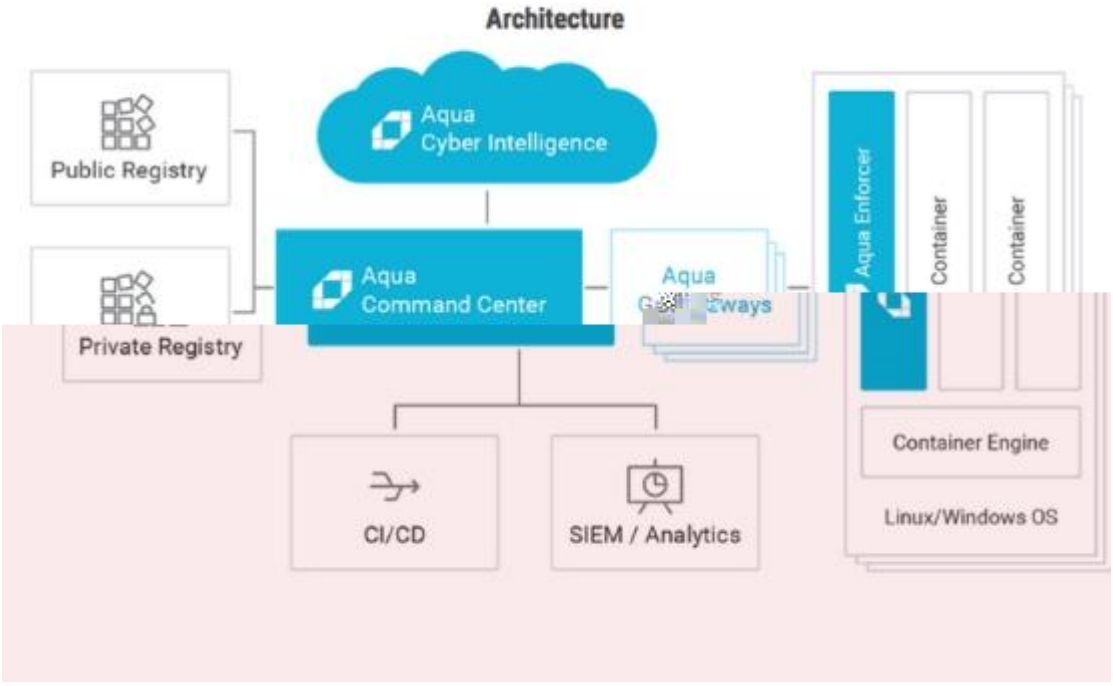
DC/OS Kubernetes Mesosphere DC/OS

Kubernetes

Docker DC/OS

DC/OS

6. Aqua Security B 2500



Aqua Aqua Windows Linux

Docker Kubernetes Aqua

Aqua Aqua

Docker Kubernetes Aqua

Aqua AWS

Azure Kubernetes Docker Aqua

7. Capsule8 A 600

Capsule8 9 19 A 600 Bessemer

ClearSky 850

Capsule8

Linux

1. SQL Server Linux

9 26 SQL Server Linux

Windows Server Linux

SQL Server 2016

Windows Linux

Red Hat SQL Server Red Hat Enterprise Linux

Database Migration Service SQL

Server Azure

2. Facebook ONNX

Facebook

ONNX

Cognitive Toolkit PyTorch Caffe2 ONNX

ONNX

Facebook PyTorch Caffe2

PyTorch Caffe2

ONNX Cognitive Toolkit CNTK

3. DHS IT

DHS CDM

APL

DHS GSA CDM

CDM

CDM

4. 2017

2017

5. TPC

Transaction Processing Performance Council TPC

TPCx-IoT

Benchmark TPC UCS Raghunath Nambiar

15 TPC TPC

TPC

TPCx-IoT x86 Linux Nambiar

1. 1.5 A+

A+

1.5

APP

CEO

2. + DeepBrain 3200

DeepBrain AI

DeepBrain

AI

2011 360

2013 2014

3. 3000 Pre-A

9 15 3000 Pre-A

CASB

CASB -CipherGateway Broker

4. CASB

8

CASB

ENLINK CASB ENLINK CASBs

SaaS PC+ ENLINK

CASBs Agent

ENLINK CASBs API

SaaS

API

5. “ ” 1.2 B

9 6 1.2 B

A

2015 7

(TIP) (TIM)