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2018 7

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+ 2018 7

AWS AWS Elemental MediaConvert

Amazon SageMake K- (kNN)

TensorFlow AWS Greengrass

C C ++ C AWS Deep

Learning AMI Amazon S3

Amazon GuardDuty AWS GovCloud VMware

Kubernetes TPU

AI

Azure

Lava

“ ” 4.0 IoT

ET

EASYSTACK

“ ”

SOC CCID2017

360

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Google

Fortinet

CheckPoint SandBlast Mobile 3.0

Google Kubernetes Engine On-Prem

k8s Knative

Apache Apache Tomcat

TCFS Chrome 68

HTTP VPNFilter

LabCorp

+

AWS

1.1 AWS Elemental MediaConvert

7 2 AWS Elemental MediaConvert

API MediaConvert AWS

AWS Elemental MediaConvert

AWS Media

Services

1.2 Amazon SageMaker

7 12 Amazon SageMaker K- (kNN)

SageMaker

15

kNN

/

+

Amazon EC2 P3 Volta V100 GPU

TensorFlow Deep Learning AMI EC2

TensorFlow

TensorFlow GPU GPU AMI

Horovod Horovod

Amazon EC2 P3

Apache MXNet 1.2

Deep Learning AMI Apache MXNet 1.2

MXNet 1.2 Scala API

MXNet MXNet 1.2 Intel MKL-DNN

C5

FP16 Amazon EC2 P3 NVIDIA Volta V100

GPU Tensor δ

Amazon GuardDuty



VMware VMware Kubernetes Kubernetes VMware Kubernetes Azure VMware Kubernetes Kubernetes VMware BillShelton Kubernetes VMware Kubernetes

VMware Kubernetes Google Kubernetes Google Kubernetes Engine Google Kubernetes Azure AKS

GOOGLE

3.1 Digital Asset

7 24 CCN Digital Asset

Digital Asset CEO CFO Blythe Masters Distributed Ledger

Technology DLT

Leonard Law DLT

Digital Asset

(Digital Asset Modeling Language DAML) (PaaS)

Orbitera

Digital Asset

3.2 **TPU** **AI**

7 25 NEXT Google Cloud Next 18 Moscone

CEO Diane

Greene keynote

TPU TPU 3.0 alpha

AutoML Vision Cloud Vision API

AI

G Suite

CEO Diane Green Greene AI

AI

CEO Sundar Pichai

Pichai

AI

TPU

TPU alpha

TPU TPU eBay

API Cloud Vision API

PDF TIFF

DeepMind WaveNet

TPU ebay TPU

Cloud Vision API

AutoML Vision Vision API

Cloud AutoML

ML

AutoML Vision Cloud Vision API

alpha AutoML Vision

AutoML AutoML Natural Language

AutoML Translation

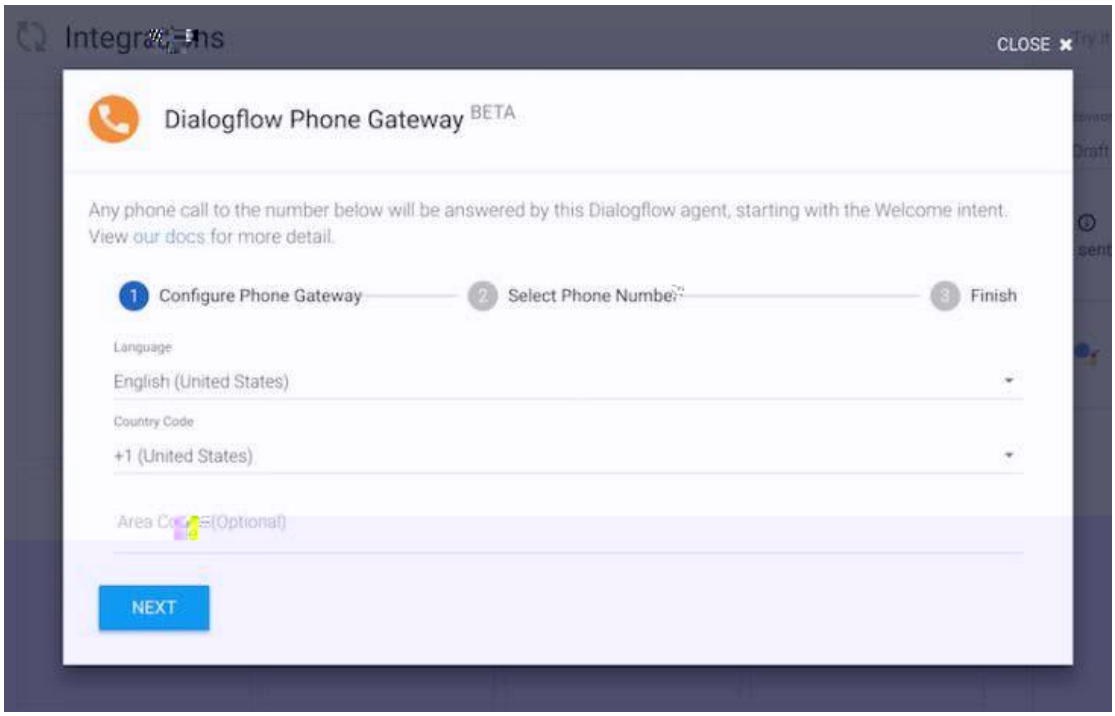
Dialogflow

11 600,000

Dialogflow

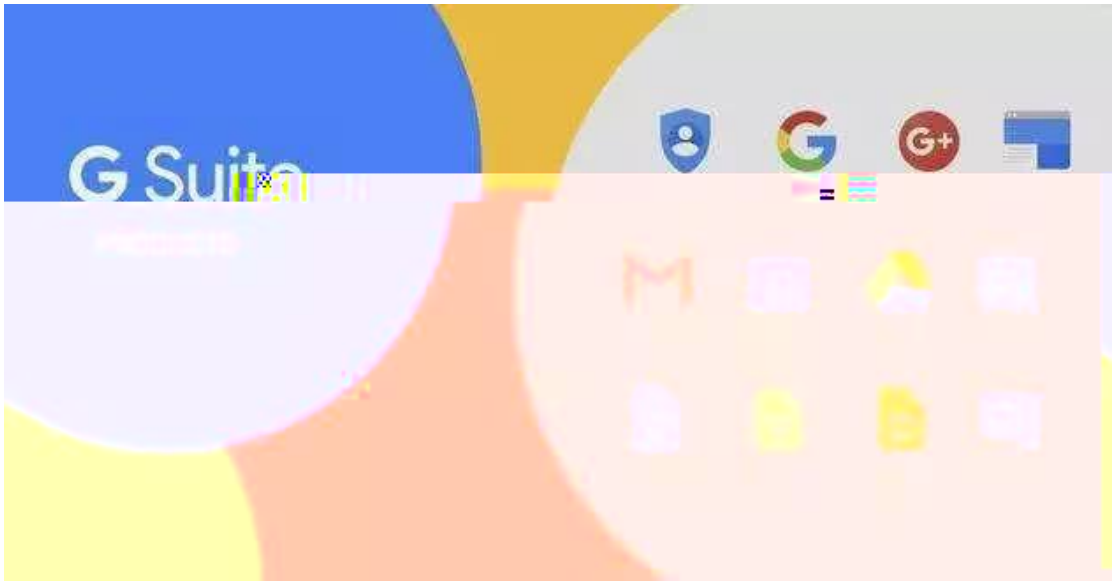
Dialogflow DeepMind

WaveNet Dialogflow



Dialogflow

Contact Center AI AI “ ”



AI

G Suite

Prabhakar Raghavan G Suite G Suite

Hangout

Google

Hangout

AI

G Suite “

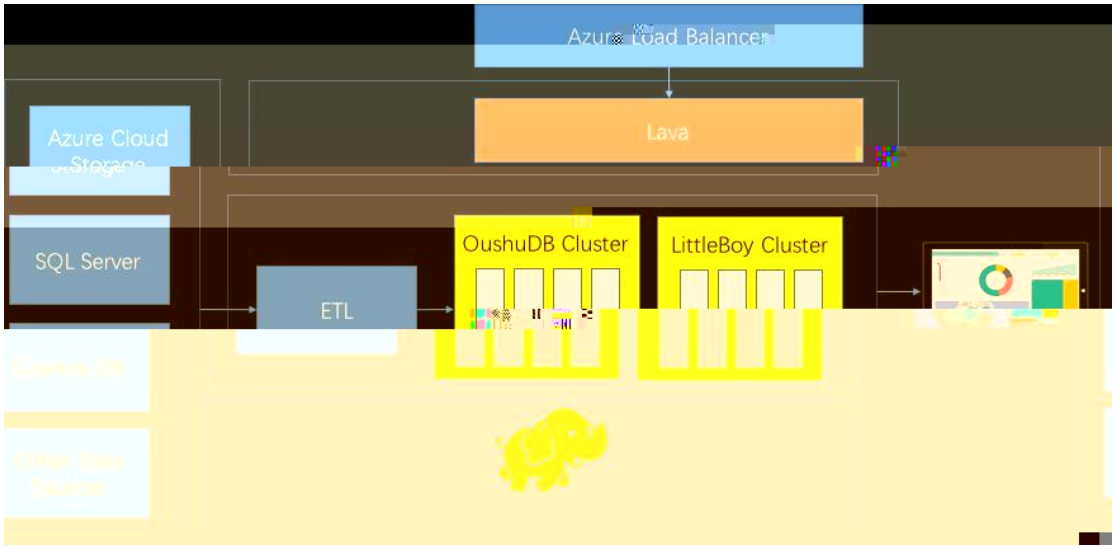
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G Suite

Azure

4.1

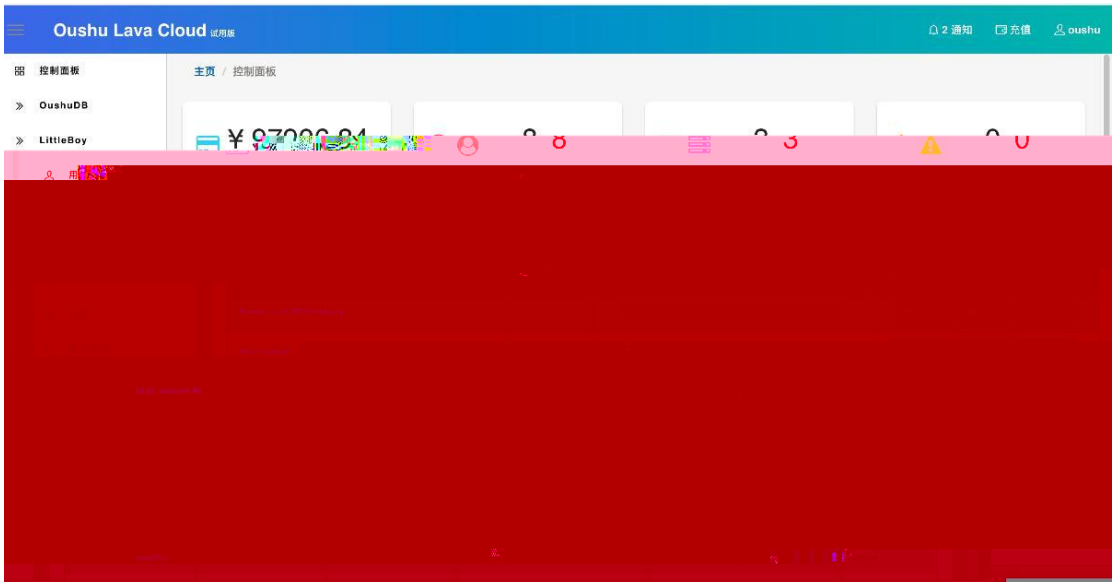
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1 “ ”

Lava OushuDB LittleBoy AI

AI



2

Lava

SQL

CEO

“ ”

5.5 **ET**

7 24 ET AI

6.1

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Easystack

2.1 EASYSTACK

7 27 EasyStack “

DeepFlow® EasyStack ” SDN

10 EasyStack

“ ” “ ”

“ ” “ ”

80%

20%

API

EasyStack

DeepFlow® EasyStack ECS

“ ” “ + ”

“ ”

API

EasyStack

EasyStack

EasyStack

99CLOUD

3.1 “ ”

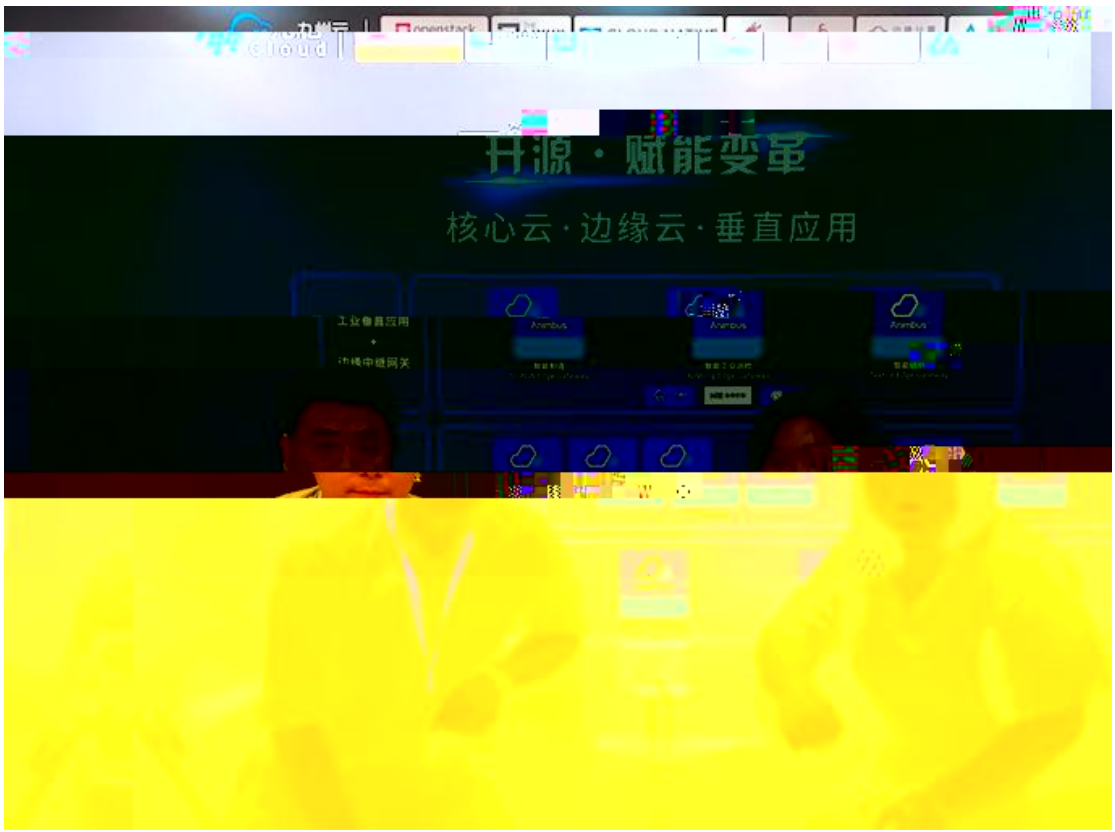
5G MEC

—— “ ”

“ 2018

” “ CUBE-EDGE ”

MEC CUBE-EDGE



1.

1.1 SOC CCID2017

2017-2018

SOC

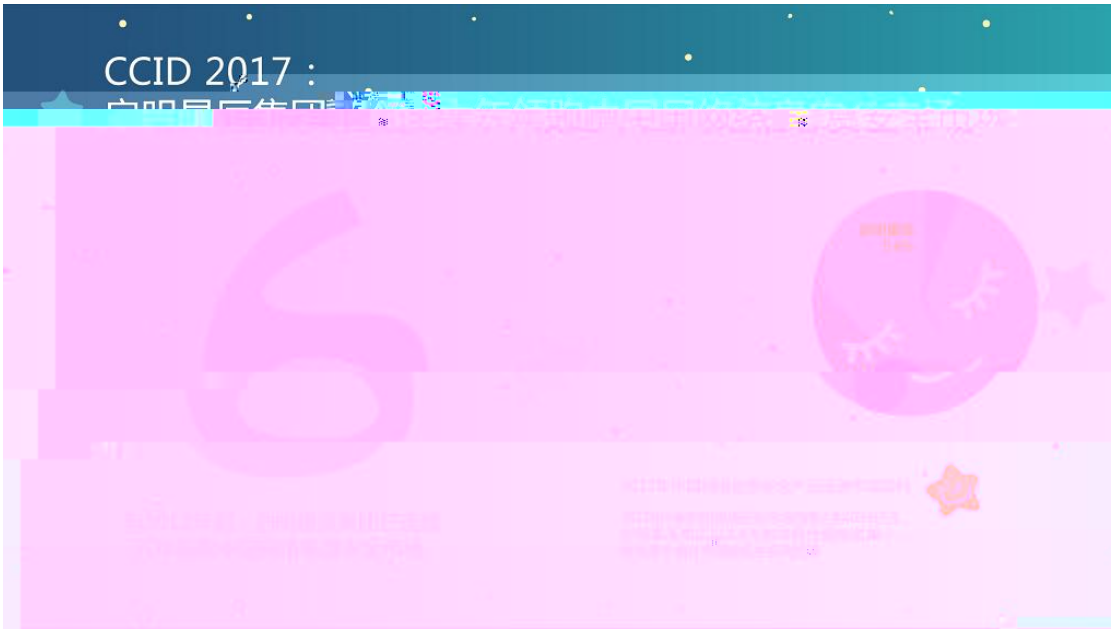
SOC Gartner

SIEM

SOC

SOC

1.3 **CCID 2017**



2017 IDS/IPS 27.2 16.5%

IDS/IPS 16

2017 UTM 22.6 22.6%

UTM 11

2017 14.1 22.8%

(SOC) 10

2017 23.5 9.4%

2.

2.1

CEO

3.

4.

5. 360

5.1 **360**

7 7 360



6.

7.

8. Fortinet

8.1 **FortiWeb Web**

9. Checkpoint

9.1 Check Point SandBlast Mobile 3.0

CheckPoint SandBlast Mobile 3.0

1. Google Kubernetes Engine On-Prem

Google Cloud Kubernetes Engine GKE

GKE On-Prem

alpha

Next

alpha GKE On-Prem

Kubernetes

Kubernetes IT

Oakey

VMware

2. k8s Knative

Azure

Functions Lambda AWS Google Cloud Functions

OpenFaaS Fission Kubeless Project

riff ğ

HTTP

3. Spring Cloud

Nepxion Discovery Spring Cloud

/ IP Eureka Consul Zookeeper

Spring Cloud

Plugin Starter pom.xml

version application.properties yaml

metadata

Key group

application application.properties yaml metadata

Postman

1. VPNFilter

SBU VPNFilter

SBU

Dnipropetrovsk Aulska

VPNFilter

SBU Aulska

“

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SBU VPNFilter

50 NAS

2. LabCorp

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LabCorp

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bCorp LabCorp

[redacted]

Tomcat v9.0.0.M9 v9.0.9 v8.5.5 v.5.31

Tomcat v9.0.10 v8.5.32

Apache CVE-2018-1336 UTF-8

Tomcat v7.0.x v8.0.x v8.5.x v9.0.x

v9.0.7 v8.5.32 v8.0.52 v7.0.90

4.

CVE-JET EMC /P AMCID 21 BDCE. 12

CVE-2017-5753 CVE-2017-5715

Spectre1.1 CPU “ ”

BCBS Bounds Check Bypass Store

Spectre1.2 PTE Meltdown

ARM Spectre1.1 Oracle

Redhat

ARM AMD

Windows chrome IOS MacOS

7. Chrome 68 HTTP

7 24 Chrome 68 Google HTTPS

Chrome

Chrome Google “

HTTPS ”

1.

1.1 Netskope Sift Security

7 12 Netskope Sift Security Netskope

Cloud Access Security Broker, CASB Netskope

Sift Security

1.2 Avast INLOOPX

7 25 Avast INLOOPX Avast

4 Avast Avast AVG

INLOOPX android Ernst&Young

DNA CE 50 (2017 6)

2.

2.1 Ankr Network 1295

7 1 Ankr Network Link VC 5 1295

Ankr (DCC)

Ankr

2.2 Fastly 4000 F

7 17 Fastly Deutsche Telekom Capital Partners 2 4000

F Fastly CDN(

) CDN( )

Fastly

2.3 **ObserveIT 1700 B**

7 17 ObserveIT Bain Captital Ventures 2 1700 B ObserveIT ObserveIT

2.4