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AWS Elemental MediaConvert)X

È Amazon SageMake K-FF (kNN) Ã-7

TensorFlow È AWS Greengrass)G5G+X

C ++ C È AWS Deep

Learning AMI • JN©Ï- È Amazon S3)W7-È 16

Ñ Amazon GuardDuty IX AWS GovCloud × VMware

Kubernetes Bg AI × Azure

, Lava × LoG 5Yþ È j{ IoT F•

ET JW7Am LoG ×

0 EASYSTACK SOC CCID2017 È

Google

Fortinet

CheckPoint SandBlast Mobile 3.0

Google Kubernetes Engine On-Prem

Knative

Apache = Apache Tomcat

TCFS

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1. AWS

1.1 AWS Elemental MediaConvert

7 8 2 È AWS Elemental MediaConvert

API F MediaConvert AWS

AWS Elemental MediaConvert AWS Media

Services ,0G6F

1.2 Amazon SageMaker à 1

7 8 12 È Amazon SageMaker 1 K-FF1 (kNN) 1

SageMaker 1

15 ZÄ

kNN 1

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Amazon EC2 P3 Volta V100 GPU 10

TensorFlow Deep Learning AMI EC2

7-(x TensorFlow

TensorFlow Horovod Horovod]

Amazon EC2 P3

Apache MXNet 1.2

Deep Learning AMI Apache MXNet 1.

W7- MXNet 1.2 Scala API

MXNet MXNet 1.2 Intel MKL-DNN

C5

FP16 Amazon EC2 P3 NVIDIA Volta V100

GPU Tensor W7-

Amazon GuardDuty

VMware Ë VMware Kubernetes E 1JË Kubernetes ,/ Ä

VMware X Kubernetes Azure Ä

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Kubernetes 7-JM VMware Ä BillShelton JE X

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VMware ´ Kubernetes Google 0MX 0

Kubernetes Google Kubernetes Engine Google Kubernetes Azure AKS, G6Ä

3. GOOGLE

3.1 Digital Asset

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Digital Asset ,´ CEO WFJ tK& CFO È Blythe Masters Bg Á

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Technology

DLT

Leonard Law DLT

Digital Asset (Digital Asset Modeling Language DAML) (PaaS)

Orbitera

Digital Asset

3.2 TPU AI

7 8 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 alpha

TPU eBay

TPU Cloud Vision API

PDF TIFF

DeepMind WaveNet

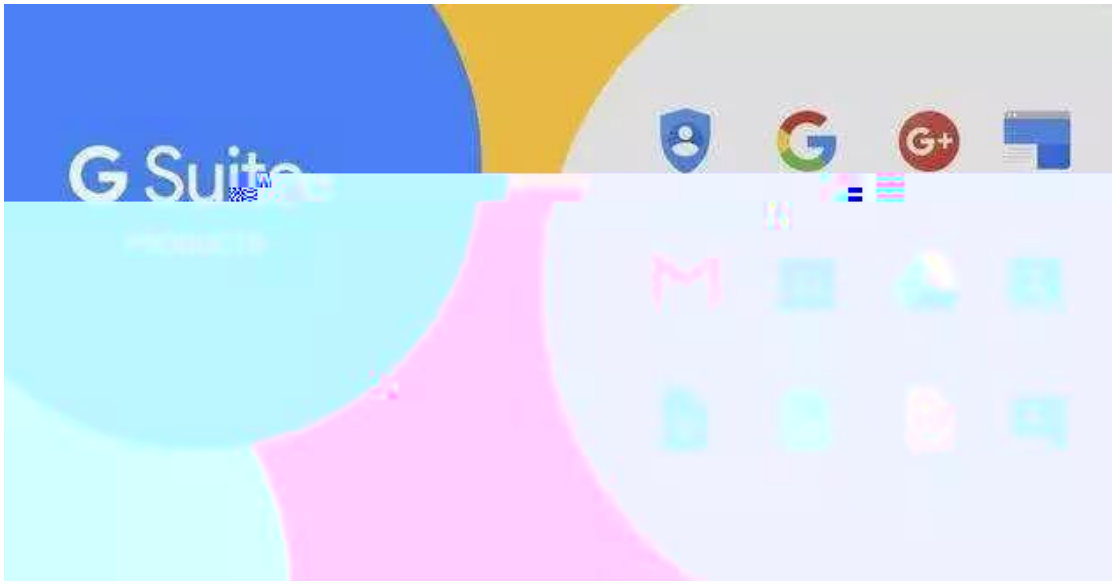
TPU ebay

TPU

Dialogflow

Contact Center AI

AI



AI

G Suite

Prabhakar Raghavan

G Suite

G Suite

Hangout

Google

Hangout

AI

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G Suite

G Suite

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4. Azure

4.1

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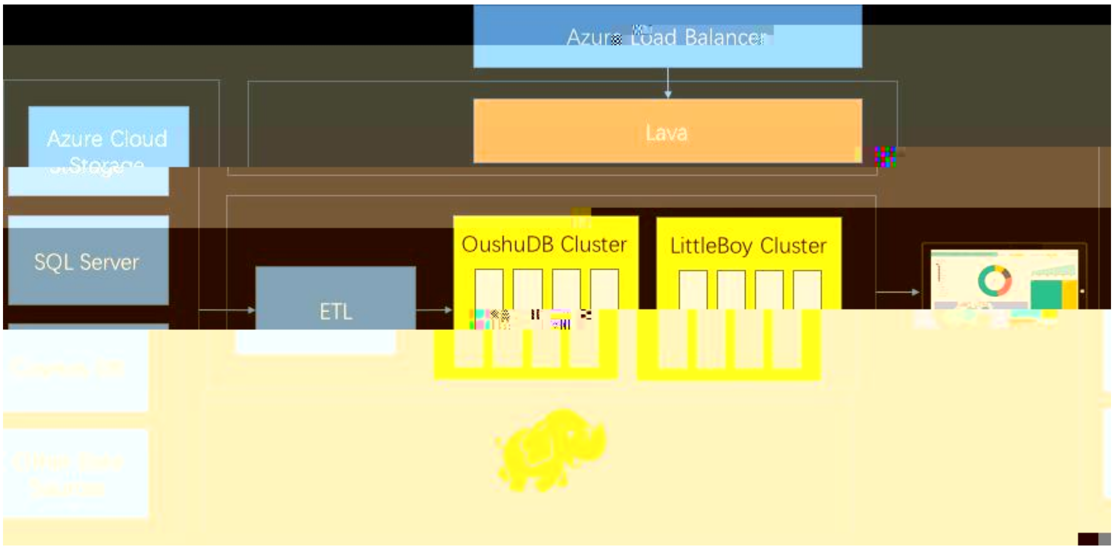

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EK̈&Lö CEO ĵVAĵK̈W؊4'67-ẼoGEK̈&ĵŲÈÇ¼

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7 8 24 Ȳ #-ĵÈoGÁ ET JW7A8ÇE AI CX4ÿ

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2．Easystack Ø

2.1 EASYSTACK

7 8 27 EasyStack F6Ø

¾ DeepFlow®,´ EasyStack 0F5-6 5+a]10© SDN

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180 Z0F5-6@

C7-1J4 55

+XÁ

1AXgF f1¹

F G-XMB2

dXÁÑ3P A F-C55@

4vXCF0

i16B31XG+XÁÑ 80%,55 OX 5

jLA k,P55 A 20% 555,F5$

4P46 5&y 5,F5$ 3+G LN

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APIj+O18 7-Ë

j JAXg,F LN 55> EasyStack FJ 55

DeepFlow®, EasyStack ECS 1JP0F 1 ¶JÄ4

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API

EasyStack

EasyStack

EasyStack

3. 99CLOUD

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MEC

CUBE-EDGE

2018

CUBE-EDGE

MEC

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1.1 SOC CCID2017

FÈFNE3É 2017-2018

OE SOC j E

F.51 SOC 2j Gartner

OE SIEM Q

19 SOC

SOC

gV

1.3 CCID 2017ÖȪEȊL F5ÑD]-55ŷj

2017 ¤ IDS/IPS ȁjȍQEî 27.2 ïȪ̀EȊLö 16.5%,2j-NÂ

10ÈȪ̱Eà IDS/IPS ȁjF5 16 ȁjÂ0Ä

2017 ¤ UTM ȁjȍQEî 22.6 ïȪ̀EȊLö 22.6%,2j-NÂ

0ÂȪ̱Eà UTM F5 11 ȁjÂ0Ä

2017 ȊÕȁjȍQEî 14.1 ïȪ̀EȊLö 22.8%,2j-NÍ

Â0ÄÏȊ̱ČL (SOC)F5 10 ȁj-NÂ0Ä

2017 ȁjȍQEî 23.5 ïȪ̀EȊLö 9.4%,2j-NÂ

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5. 360

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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

GKE On-Prem

alpha GKE On-Prem

Kubernetes

Y+X Kubernetes IT

Oakey

VMware

2. k8s Knative

Azure Functions Lambda AWS Google Cloud Functions

OpenFaaS Fission Kubeless Project riff

HTTP B 3+XÄ

3. Spring Cloud

Nepxion Discovery 0h) Spring Cloud -5J

(x& Eureka Consul ¼ ZookeeperÄ

) Spring Cloud B& M& X65M0 ..

Plugin Starter pom.xml

version application.properties F65 yaml ,´

metadata Gü

Key group 65 X

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1. VPNFilter pA

SBU 0 pA VPNFilter

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X 16r5 Ä Dnipropetrovsk Aulska 1,3+5

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46 X 4 46,

1),3+5, 46q;0+5

VPNFilter ,X mB

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SBU VPNFilter

2. LabCorp

LabCorp

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LabCorp

AÄ Tomcat v9.0.0.M9 ` v9.0.9 ú v8.5.5 ` v.5.31 G-6B%

3,´ Tomcat v9.0.10 ¼ v8.5.32 4%

Apache E& HJ 1Z% CVE-2018-1336È Z% X¾ UTF-8 @

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Tomcat (x9 v7.0.xÃv8.0.xÃv8.5.x ¼ v9.0.xÈ

6< v9.0.7Ã v8.5.32Ã v8.0.52 ¼ v7.0.90 (x4%

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CVE-JET EMC /P MCID 21 BDCE. 12

Ä CVE-2017-5753 ¼ CVE-2017-5715,Å48Ä

Spectre1.1 FP@+Y+XyWJ CPU G-ˆ X,Ï-ÑÇ

k+ÊÚŒ BCBSÄ Bounds Check Bypass Store)Å+ÈeþEÄy

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1Ž/ý Spectre1.2Ž%N,k+¾ PTE ,Ê> Meltdown %N

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ÉÄ

ARM 4yÄÊ¶ Spectre1.1 %NŠEÄÄØ OraclÅ

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1y(ÀL” Windows F,Ê+5gÊ chromeÃIOSÃMacOS

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7. Chrome 68 Ap9; HTTP 510Ik

X 7 8 24 3,´ Chrome 68 È Google EÑGW,ÊMŽ HTTPS 5•

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GÿEÄ(x,´ Chrome È Google FjB3ÄL,51VG÷

A+XÈD HTTPS Èp(n0Z7AÄ

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1.

1.1 Netskope Sift Security ,

7 8 12 È Netskope Sift Security , Netskope Cloud Access Security Broker, CASB Netskope ,

OA Xg8+a Sift Security 0

1.2 Avast INLOOPX ,

7 8 25 È Avast INLOOPX , Avast Avast Ë Avast ¼ AVG

INLOOPX android Ernst&Young œ

(N Lu DNA CE O 50 j (2017 6)

2.

2.1 Ankr Network 9Ç 1295 75

7 8 1 È Ankr Network Link VC 5 9Ç 1295 7 Z.

CtÄ Ankr (DCC)È

Ankr

2.2 Fastly 9Ç 4000 75 F

7 8 17 È Fastly Deutsche Telekom Capital Partners 2 9Ç 4000

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2.3 ObserveIT 9 1700 75 B E t

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