

+

2018

7

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2018

7

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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

Fortinet Web

Google

Fortinet

CheckPoint SandBlast Mobile 3.0

Google Kubernetes Engine On-Prem

k8s

Knative

Apache

Apache Tomcat

TCFS Chrome 68

HTTP

VPNFilter

LabCorp

2

6

CASB

Netskope

Sift Security

Avast

INLOOPX

CDN()

Fastly

4000

F

Openpath Security Inc 2000

B

ObserveIT 1700

B

2018 7 30

+

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

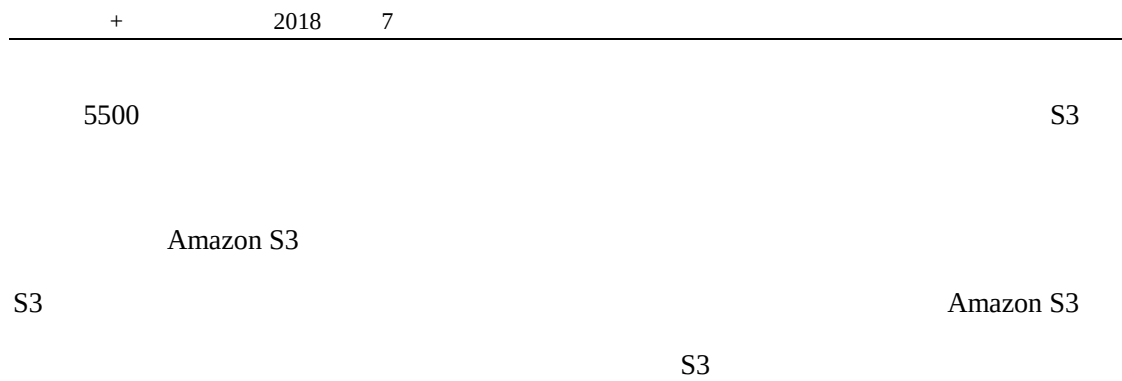
K- (kNN)

SageMaker

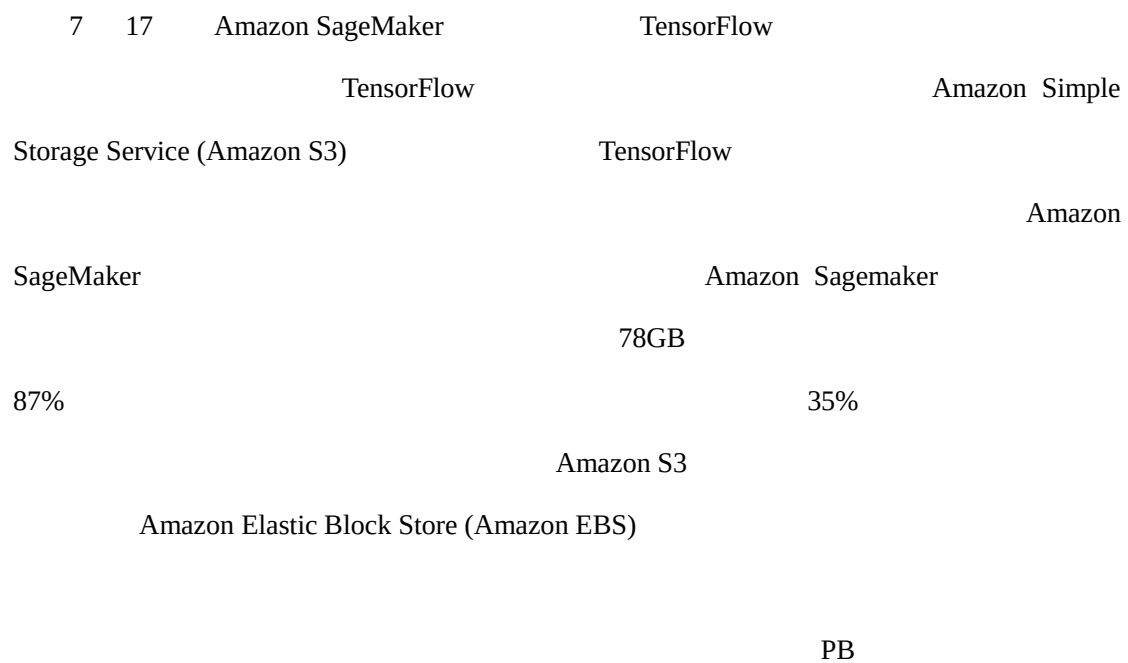
15

kNN

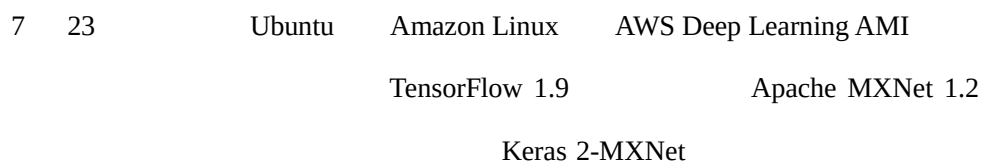
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1.4 Amazon SageMaker



1.5 AWS Deep Learning AMI



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

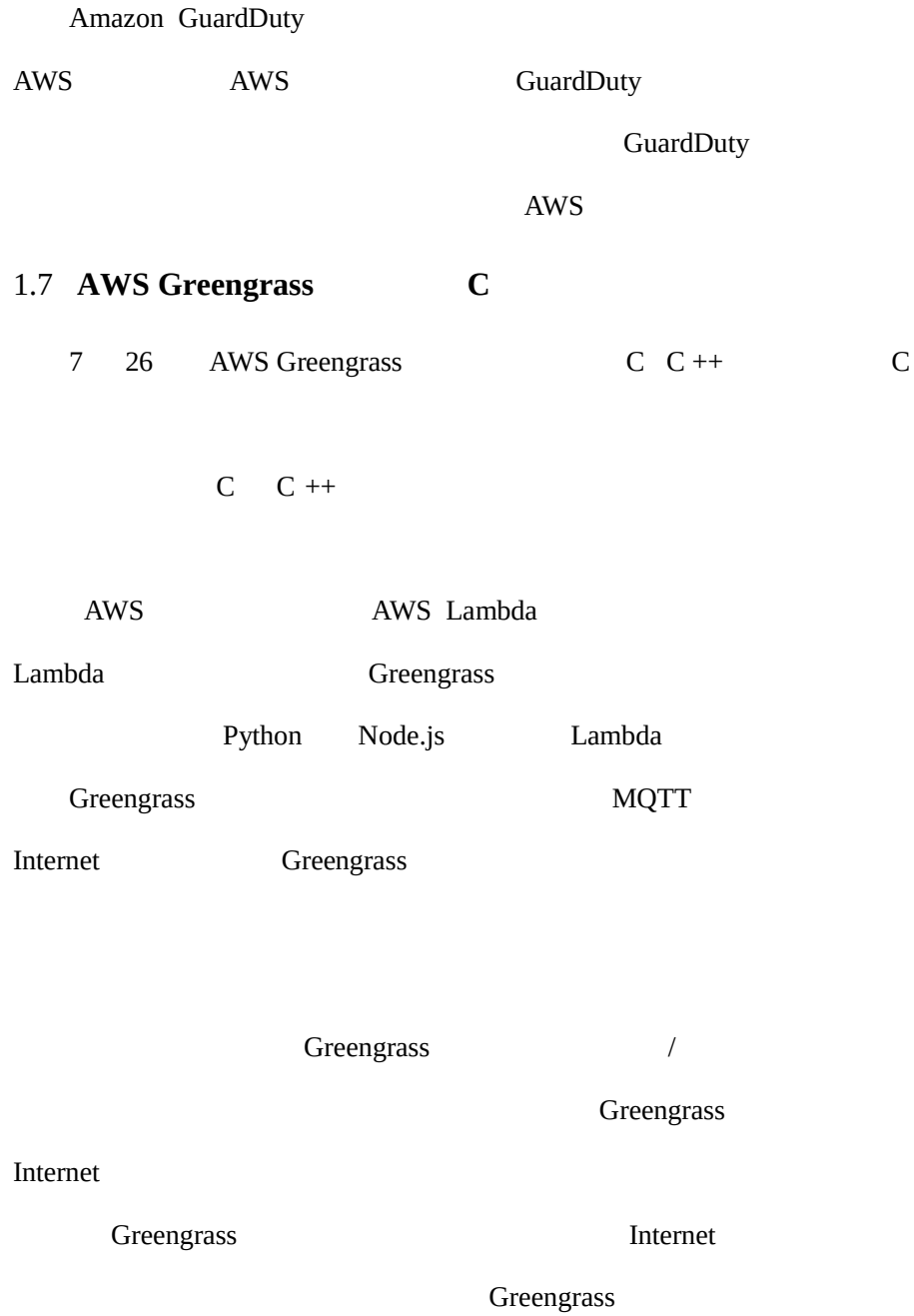
MXNet 1.2 Scala API

MXNet MXNet 1.2 Intel MKL-DNN

C5

FP16 Amazon EC2 P3 NVIDIA Volta V100

GPU Tensor MXNet 1.2





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

TPU

TPU 3.0 alpha

AI Google

Google AI

Cloud AutoML Vision AutoML Natural Language AutoML

Translation

Hearst Newspapers

AutoML Natural Language

TensorFlow

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


Integrations

CLOSE


Dialogflow Phone Gateway ^{BETA}

Any phone call to the number below will be answered by this Dialogflow agent, starting with the Welcome intent. [View our docs for more detail.](#)

1

Configure Phone Gateway

2

Select Phone Number

3

Finish

Language

English (United States)

Country Code

+1 (United States)

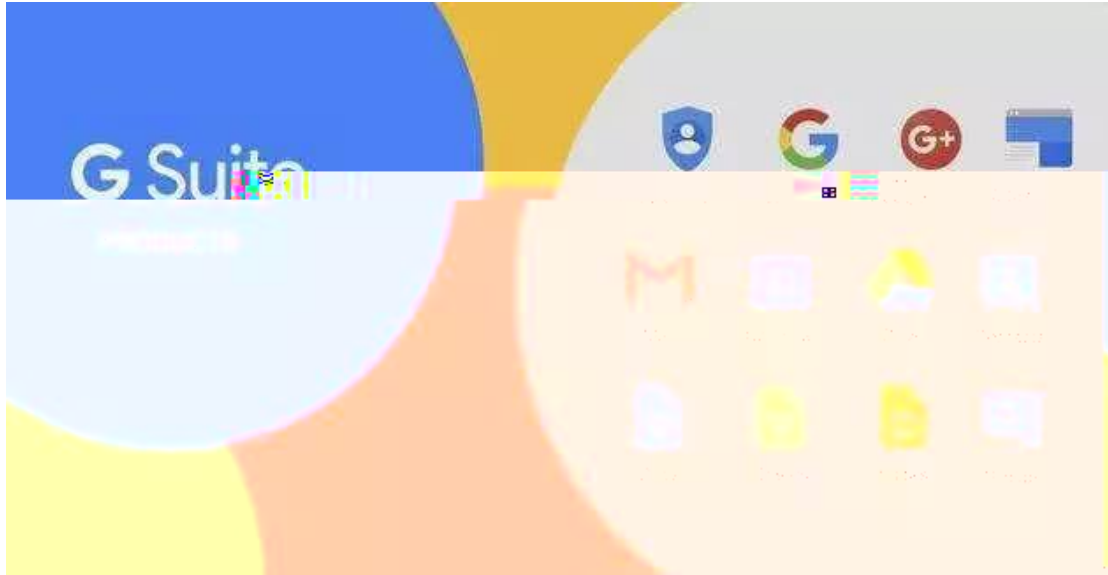
Area Codes (Optional)

NEXT

Dialogflow

Contact Center AI

AI



AI

G Suite

Prabhakar Raghavan

G Suite

G Suite

-
-
- Hangout
-
- Google
- Hangout

AI

G Suite

G Suite

Azure

4.1

7 4 CCN Hot Cool

Azure

Azure

4.2

7 17

Microsoft Azure

Predix

Predix

Azure

Azure

Azure

IIoT

Microsoft Azure

IT

Predix

Gartner

POC

POC

GE Digital

IIoT

4.3

Azure Lava

7 27

Azure

Oushu Lava Cloud(

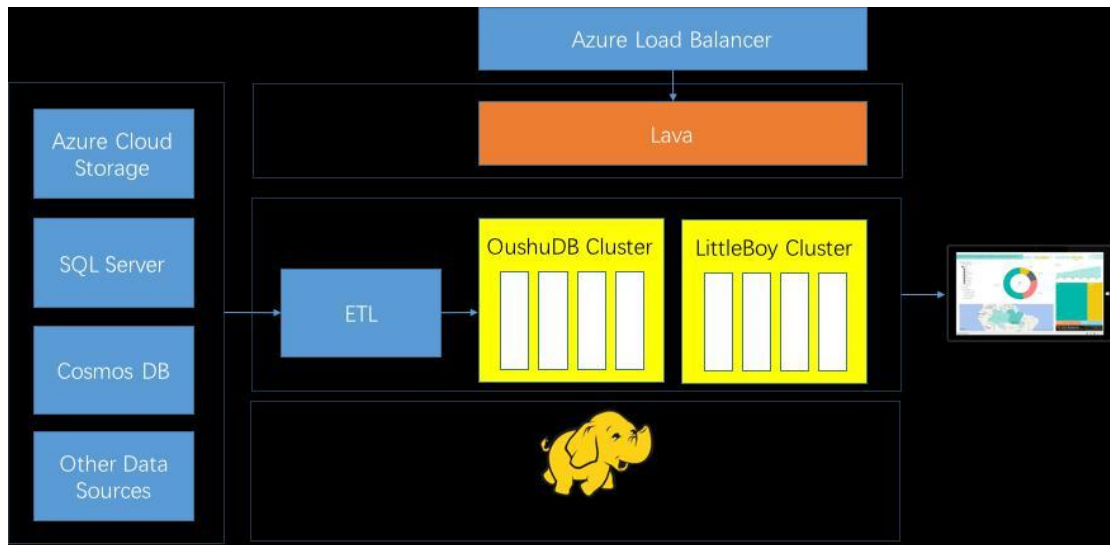
Lava)

Lava

OushuDB()

LittleBoy()

HDInsight SQL Server Power BI



1

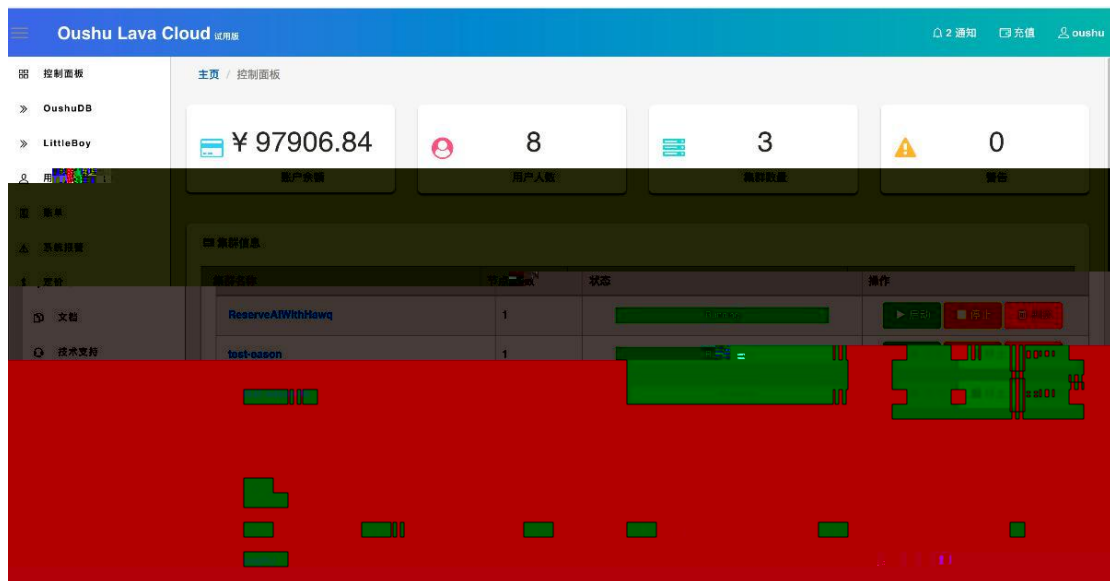
Lava

OushuDB

LittleBoy

AI

AI



2

Lava

SQL

LittleBoy

LittleBoy

5.1

7 3

2

Station F

1000

5.2

2020

5.3 MindSphere

7 9 (Siemens)
 2019 4.0 MindSphere
 (Reuters)
 200 (230.51) 4.0
 MindSphere
 (MoU) (IoT)

5.4 IoT

7 20 “SoftBank World 2018” IoT
 “ ” IoT
 SB Cloud
 IoT

CEO

“ ”

5.5 **ET**

7 24

ET

AI

EL

20

2

5.6

7 26

88%

80%

3

6.1

7 25

; VPN

6.2

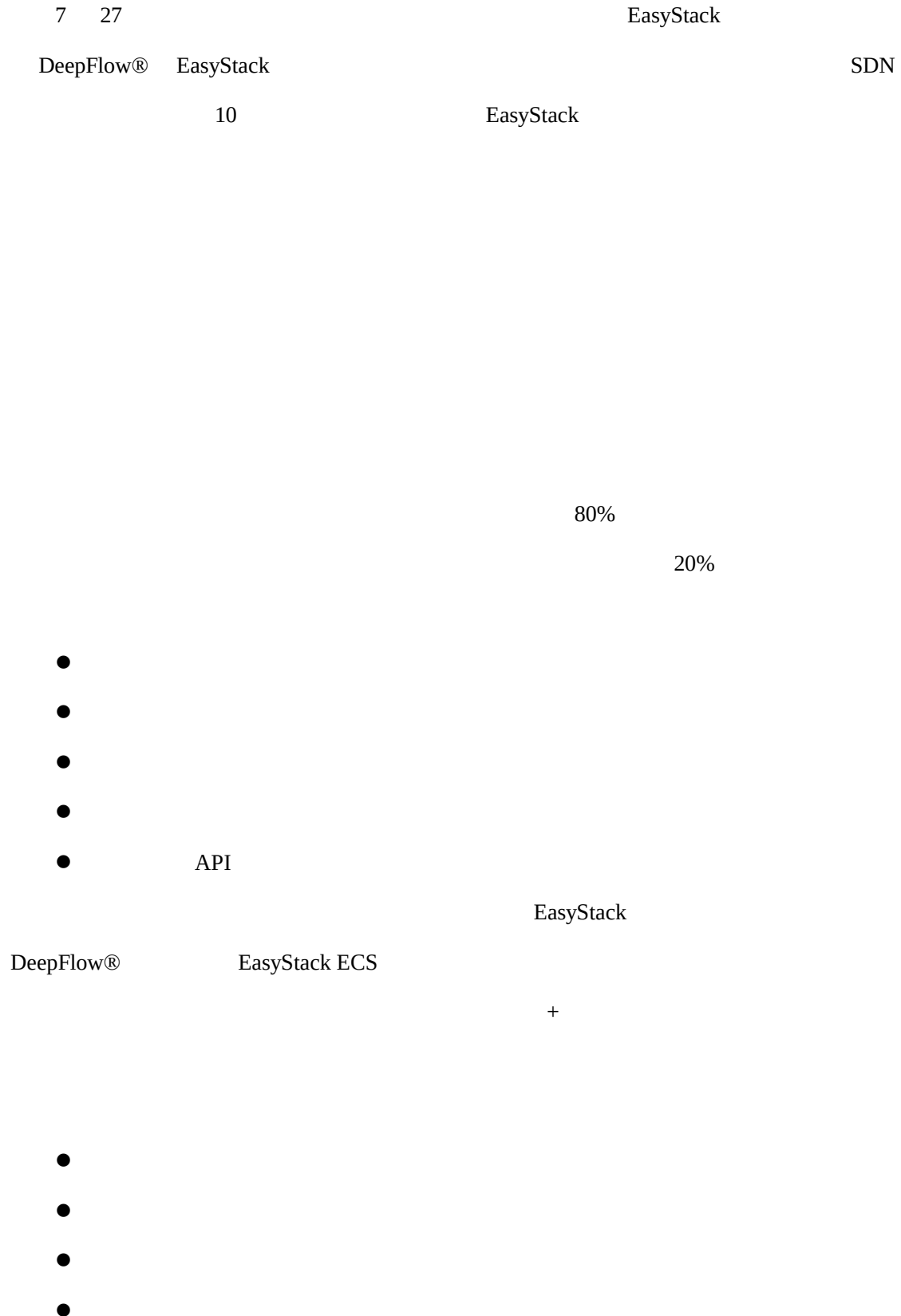
7 26

+

Openstack

Easystack

2.1 EASYSTACK



-

- 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

- FortiWeb (WAF) 6.0 Web
- WAF
- FortiWeb Web 100
 -
 - Fortinet Security Fabric

8.2 Fortinet Google

Fortinet Google

Fortinet

Google FortiGate

FortiManager FortiAnalyzer NOC-SOC FortiWeb Web

Fabric Connectors Google Cloud Platform

Google Cloud

8.3 Fortinet

- Fortinet
- Fortinet FortiGuard Labs
 - ortinet Fortinet
 - IGCI

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

Functions Lambda AWS Google Cloud Functions Azure
OpenFaaS Fission Kubeless Project
riff Kubernetes

-
-
- http /

Knative Kubernetes
Knative

Kubernetes Pod Kubernetes Istio

- Build Eventing Serving
- Build
 - Eventing / Google Cloud Pub/Sub
 - Serving /

- Knative
- /
 - Cloud Foundry Buildpacks Bazel Kaniko

- Dockerfiles
- /
 -
 -
 -

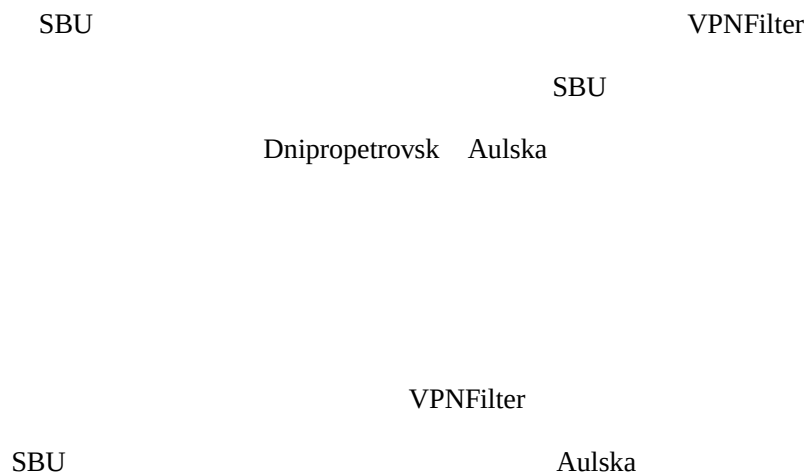
- HTTP

3. Spring Cloud



- Plugin Starter pom.xml
- version application.properties yaml
- metadata
- Key group
- application application.properties yaml metadata
-
-
-
- Postman

1. VPNFilter



SBU

VPNFilter

50

NAS

2.**LabCorp**

LabCorp

LabCorp

LabCorp

LabCorp

LabCorp

LabCorp

LabCorp

3. Apache**Apache Tomcat**

Apache

Tomcat

DoS

ApacheTomcat

Java Servlet

Java EE

Java Servlet JavaServer Pages(JSP)

Java EL WebSocket

Java

HTTP Web

Java

Apache Tomcat

60% Apache

CVE-2018-8037

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-2018-5383
		CVE-2018-5383		
				Android
Linux				
	LE		BR/EDR	

5.

TCFS

			showcase	
		TCFS	Thunder Chain File System	

6.

			10	
	Spectre			Vladimir
Kiriansky		Carl Waldspurger		
	Spectre1.1	CVE-2017-5753		
Spectre1.2	CVE-2018-3693			
	Project Zero			Spectre

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 Capital Ventures 2 1700
 B ObserveIT ObserveIT

2.4 Openpath Security Inc 2000 B

7 17 Openpath Security Inc Bonfire Ventures 5 2000
 B Openpath
 Openpath Access

Openpath

2.5 Xage Security 1200 A

7 22 Xage Security City Light Capital 3 1200
 A Xage Security

2.6 Siemplify 1400 B

7 24 Siemplify 83North 2 1400 B
 Siemplify