

.....21

1.1 CEO21

1.2 201923

1.324

2.1 " "28

3.1 2019 CDM 329

5.1 EDR31

6.1 AiLPHA " 2019 SIEM "31

7.1 360 " "32

8.133

.....35

.....37

.....40

AWS

Kubernetes1.14

windows

kubectl

31

Istio1.1

CNCF

Kubernetes

Prometheus

Envoy

CoreDNS

containerd

App

9

App

Facebook

UC

(MITM)

W3C

+

AWS

1.1 AWS Elemental MediaPackage

3 4 AWS Elemental MediaPackage MediaPackage

MediaPackage

MediaPackage

AWS Elemental Media Services

1.2 Elemental MediaLive

HLS VPC

3 5 HLS AWS Elemental MediaLive MediaLive

#EXT-X-KEY

MediaLive

Amazon Virtual Private Cloud (Amazon VPC)

MediaLive

VPC

VPC

VPC

IP

RTP RTMP

AWS Elemental MediaLive

AWS Elemental Media Services

AWS

Elemental Media Services

1.3 Amazon ECS

3 7 Amazon Elastic Container Service (Amazon ECS)

AWS

Sidecar

ECS

1.4 License Manager

CPU

3 8 AWS

AWS License Manager

License Manager

License Manager

CPU

vCPU

vCPU

License Manager

1.5 Elemental MediaConvert

S3

3 13 AWS Elemental MediaConvert

Amazon CloudWatch

Amazon S3

MediaConvert

Amazon CloudWatch

1.6 AWS Direct Connect

500 Mbps

VMware AWS

Amazon

VMware

1000

VMware

AWS

"

" VMware

Ajay Patel

"

"

VMware Cloud Foundation

Dell EMC VxRail

VMware

VMware

60 IDC

VMware

vCloud Availability 3.0

vCloud Director

GOOGLE

3.1 Stadia

3 20 CEO Sundar Pichai GDC Stadia

Phil Harrison YouTube YouTube

" "

" "

Chrome

Stadia Wi-Fi "

" YouTube Google Assistant

25Mbps 4K 60 fps, 8K 120
AMD GPU 10.7Teraflops Xbox One X PS4 Pro

Project Stream Chrome

Assassin' s Creed Odyssey

1 Doom Eternal

Stadia 4K 60 HDR

3.2 Google

3 23

()

" 2015 "

" (NLP)

Google

Google Google

Azure


4.1 **Azure Bot** **AI**

3 16 Azure Bot

FUSE Lili Cheng "

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Microsoft Bot Framework

Skype 

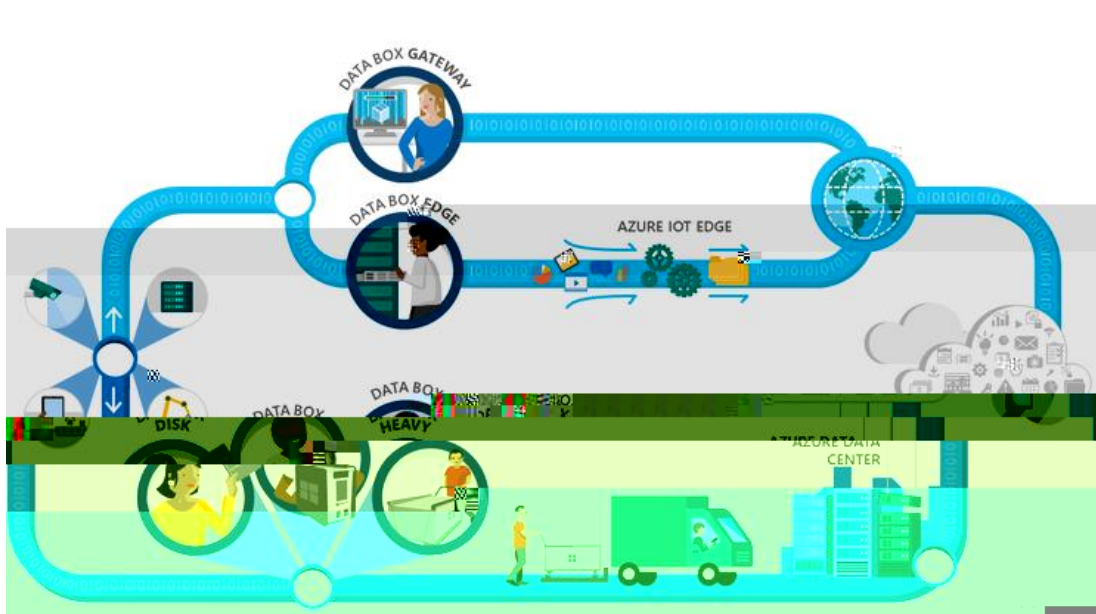
Microsoft Teams Facebook Messenger Kik

Azure Bot

(LUIS) LUIS

4.2 Data Box Edge 5

3 27



Azure

5

5 Data Box

Data Box Edge Azure Data Box Gateway2

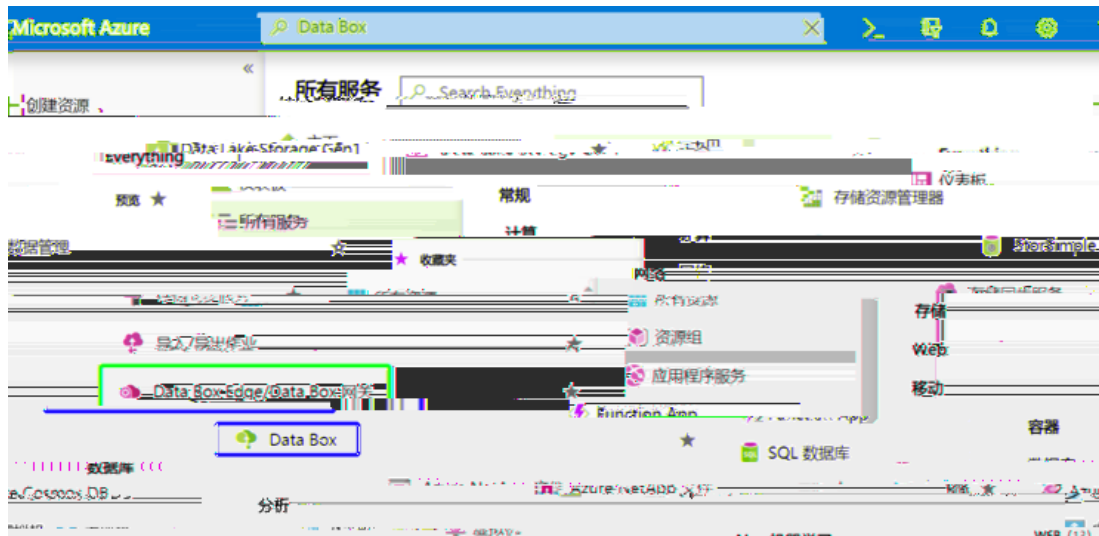
Data Box Data Box Disk Data Box Heavy Preview3

Azure Data Box

Dean Paron

Azure

Azure



Data Box Edge

Data Box Edge

Azure

Azure

Data Box Edge

Data Box Edge

IoT Edge

Azure



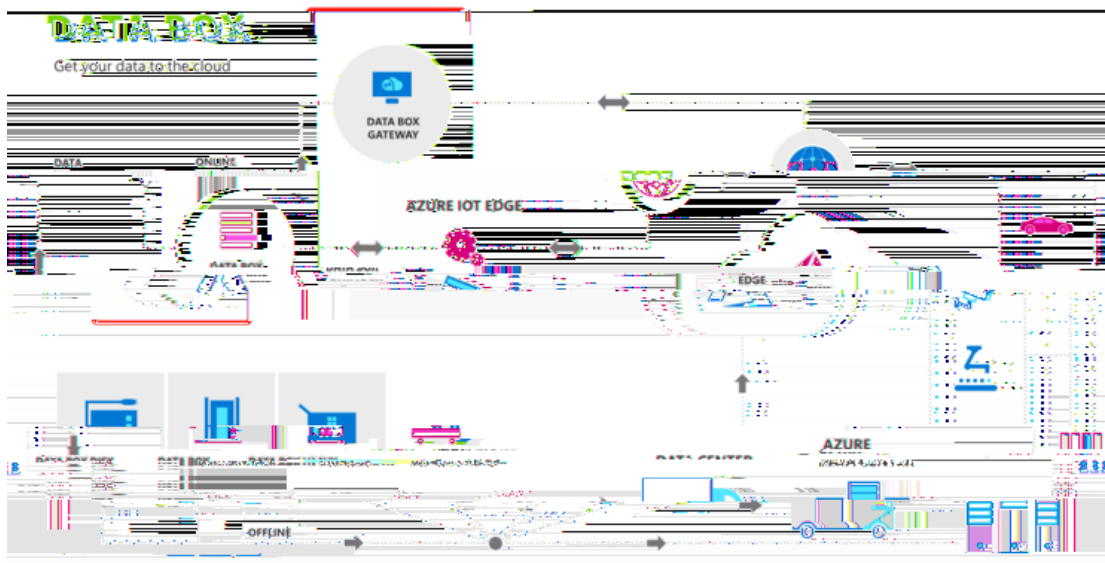
Data Box Edge

Data Box Edge

Data Box Edge

Data Box Edge

Azure



Data Box Edge

Azure

Data Box Edge

Arria 10 FPGA **Azure**

FPGA

Azure





SaaS

SaaS

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SaaS

SaaS

SaaS

SaaS

SaaS

6.1

3 21

"

AI

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Taurus 3
OBS() 11 9(99.99999999%)

Taurus
0 /

Taurus MySQL 7 ;
Taurus

1/10

Taurus 1 15 /
CPU Taurus

128TB

Taurus DBSS()

Taurus MySQL 8.0 MySQL
Taurus

Gemini

Gemini		Cloud Native		Serverless	
Region		NoSQL			NoSQL
/		MongoDB	Cassandra	DynamoDB	
Gemini				3	Gemini
Serverless					

Gemini

7*24

Gemini

Region

DRS

?

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?

DRS

DRS

"

7.2

3 27

OBS

AI

AI

;

;IT

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AI

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“

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BMS

OBS

30% AI

Openstack

1.1 OpenStack Train

3 26 OpenStack OpenStack Train
Project Team Leader, PTL 6 OpenStack
PTL PTL

OpenStack

Core

PTL OpenStack
PTL
PTL OpenStack
Murano Solum PTL Freezer PTL
Senlin PTL Zun PTL Watcher
PTL
2016 OpenStack
P/Q/R
PTL 13 11
OpenStack PTL

Easystack

2.1 EasyStack

OpenStack

3 14 OpenStack TC
EasyStack OpenStack
OpenStack OpenStack

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[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

[Redacted]

1

SDWAN NGFW

IT

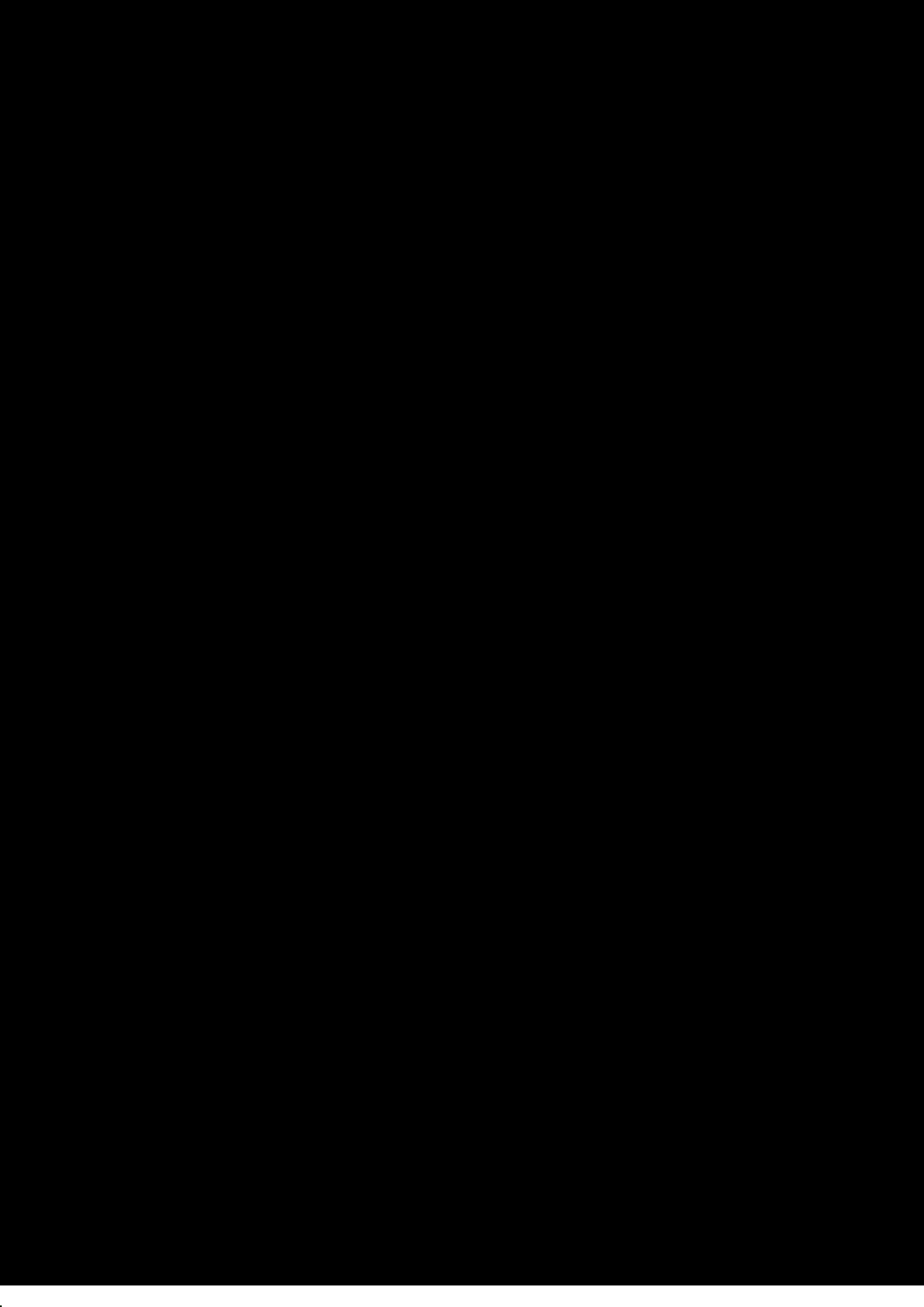
1.3

IoT-VBox

IoT-VBox

API

#



HIS PACS

3.1 2019 CDM 3

3 6 Cyber Defense Magazine

The Most Innovative Data Center Security for 2019 :

X10800

X10800

X10800

1Tbps

1000

5.1 **EDR**

" "

APT

NSFOCUS Endpoint Detection and Response

NSFOCUS EDR

(EDR)

Gartner

2020

80%

25%

10%

AiLPHA

360TrustSpace

360

IT

Test Results

Vendor	%	Vendor	%	Vendor	%
AhnLab		eScan		Alibaba	92.90%
Antiy		Ikarus		Tapi	92.40%
Avast		Quick Heal	99.80%	IntelliAV	91.00%



2006

AVL SDK

863

Fortinet

Checkpoint

kubectl :kubectl kubectl
kubectl porcelain
set-ns

SSD

PID **beta**
beta Pod PID Pod
Pod PID node allocatable Pod
PID alpha Pod Pod PID

Pod Kubernetes Pod
Pod Pod

Pod Readiness Gates Pod
RBAC clusterrolebindings
API CRD

2. Istio 1.1

<https://istio.io/docs/concepts/performance-and-scalability/>

Kubernetes

3. containerd

containerd AWS Cloud Foundry Docker IBM
Rancher Labs

Kubernetes Prometheus Envoy CoreDNS

containerd

2014 containerd Docker Docker
2017 3 containerd

Docker OCI runc

containerd

[2] containerd

[3] CII 2018 9

1 CII [4]

containerd

containerd

Containerd Linux Windows

containerd --

containerd <https://github.com/containerd/containerd>

1. W3C WebAuthn Web

W3C Web API WebAuthn Web

WebAuthn 2015 11 W3C Fido

W3C

Airbnb

IBM

Mozilla PayPal

Yubico

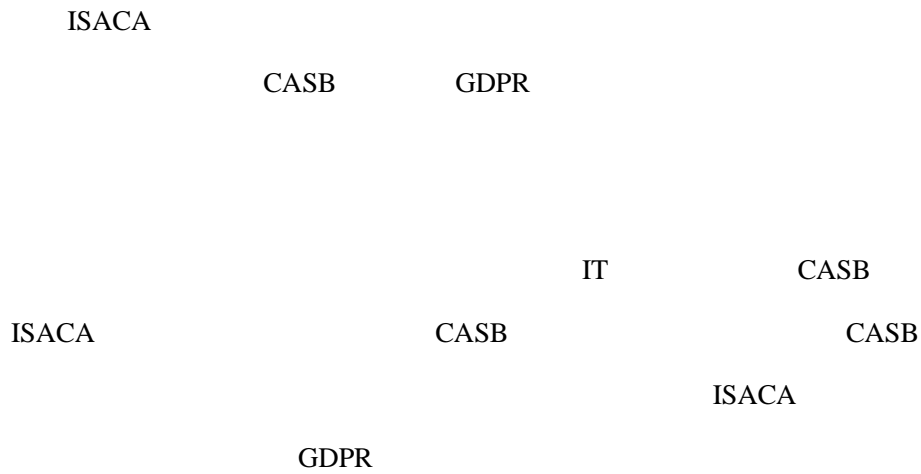
/ FIDO

Android

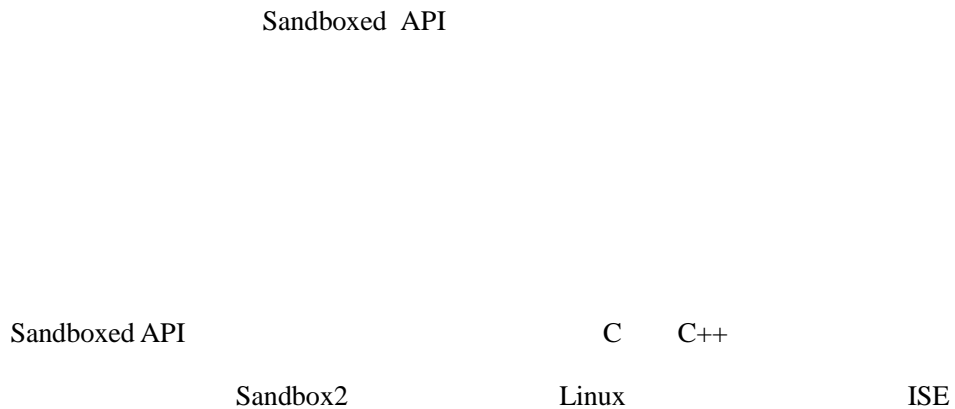
W

1	PhotoLoop	20.4		7.9.0	
2		1.0		2.2.0	
3	Remember Everything-		1.1.0	-	1.0
-			1.0	Cuncaoxin Education	1.0.6
	1.1				

5. ISACA CASB GDPR



6. Sandboxed API



" Sandboxed API

"

7. Facebook

KrebsOnSecurity

Facebook

Facebook

Facebook

Facebook Lite

Facebook

Instagram

Facebook Lite

Facebook

8. UC

(MITM)

UC

UC

HTTP

hook

UC

UC

UC

UC

1.

1.1 Verizon Communications

ProtectWise

3 1 Verizon Communications

ProtectWise

Verizon(VZ)

AT&T

ProtectWise

ProtectWise

2013 4

ProtectWise

ProtectWise Cloud Network DVR

ProtectWise

2.

2.1 eSentire 4700

3 4 eSentire Edison Partners 2 4700

eSentire

eSentire

2.2 LogRocket 1100 A

3 21 LogRocket Battery Ventures Matrix Partners 1100 A

LogRocket

bug

2.3 Attivo Networks C

3 21 Attivo Networks Bain Capital 3 C

Attivo Networks

SCADA

2.4 CyberX 1800