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CEO

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2019

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3.1

2019

CDM 3

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5.1

EDR

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31

6.1

AiLPHA

“2019

SIEM

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31

7.1

360

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8.1

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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

Sidcar

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

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Ajay Patel

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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

“ ”

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Chrome

Stadia

Wi-Fi

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” 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

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“ 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

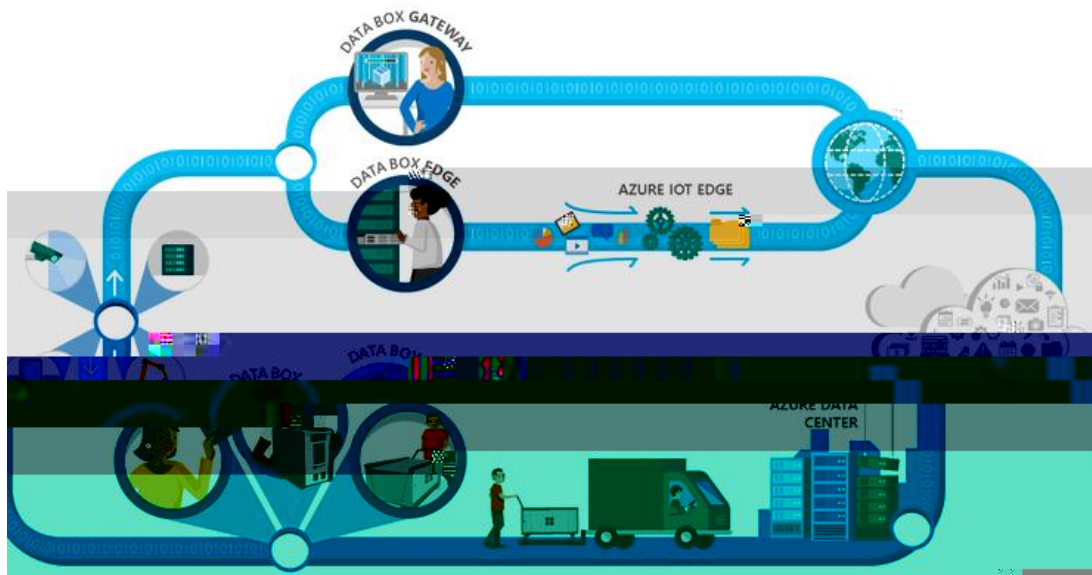
Microsoft Teams Facebook Messenger Kik

Azure Bot

(LUIS) LUIS

4.2 Data Box Edge 5

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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

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Azure



Data Box Edge

Data Box Edge

Azure

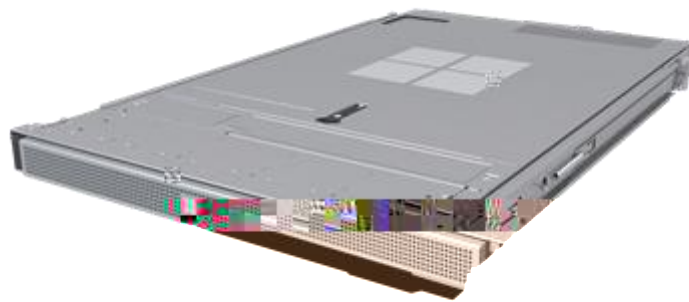
Azure

Data Box Edge

Data Box Edge

IoT Edge

Azure



Data Box Edge

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Data Box Edge

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Data Box Edge

Arria 10 FPGA Azure

FPGA

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SaaS

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Taurus 3

OBS() 11 9(99.99999999%)

Taurus

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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				

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2019

03

Gemini

7*24

Gemini

Region

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OBS

AI

AI

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BMS

OBS

30%

AI

Openstack

1.1 OpenStack Train

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26

OpenStack

OpenStack Train

Project Team Leader, PTL

6

OpenStack

PTL

PTL

OpenStack

Core

PTL

OpenStack

PTL

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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

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EasyStack

OpenStack

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OpenStack

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[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

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SDWAN NGFW

IT

1.3

IoT-VBox

IoT-VBox

API

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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

+		2019	03		
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	Cuncaoxin Education
	1.1		1.0.6

5. ISACA

CASB

GDPR

ISACA

CASB

GDPR

IT

CASB

ISACA

CASB

CASB

ISACA

GDPR

6.

Sandboxed API

Sandboxed API

Sandboxed API

C

C++

Sandbox2

Linux

ISE

“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