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AWS AWS Glue VPC
 Amazon EC2 Amazon EBS
 AWS AWS
 AWS Organizations AWS
 AWS ParallelCluster Elastic Fabric Adapter (EFA) Faction AWS
 VMware Cloud 1400 Faction
 (HDRaaS) AWS
 VMware Cloud ; Cloud Control Volumes
 AWS VMware Cloud
 YouTube Azure
 90 Azure SQL Database Managed Instance(SQL
 Database) Microsoft Azure
 LoRa

EasyStack

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2019

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ADLab

5G

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2019

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1. AWS

1.1 AWS Glue

VPC

6 4 AWS Glue VPC

Virtual Private Cloud (VPC)

AWS Glue

VPC

VPC

AWS Glue

AWS 54gE

AWS GovCloud

AWS GovCloud

AWS Glue

1.2 Amazon EC2

6 5 Amazon EC2

Amazon EC2

AWS License

Manager

EC2

1.3 Amazon EBS

6 6 Amazon EBS

AWS

AWS

Amazon EBS

EBS

AWS Key Management Service

(KMS)

I/O

EC2

EC2

EBS

1.4 AWS Organizations AWS

6 6 AWS Organizations AWS
AWS

AWS

AWS

AWS Organizations AWS

AWS Organizations

AWS

1.5 AWS ParallelCluster Elastic Fabric Adapter (EFA)

6 11 AWS ParallelCluster (HPC)
Elastic Fabric Adapter (EFA) AWS ParallelCluster EFA
Open MPI Libfabric
EFA (MPI) (HPC)
EFA HPC EFA
HPC TCP

2. VMWare

2.1 Faction VMware Cloud 1400

6 14 (AWS) VMware
Faction 1400
River Cities Capital Funds Sweetwater Capital Meritage Funds Charterhouse
Strategic Partners Orix Growth Capital Crunchbase 3 1800
B 4900
Faction
Faction
(HDRaaS) AWS VMware Cloud ; Cloud Control
Volumes AWS VMware Cloud ; Bloc
VMware

3. GOOGLE

3.1

YouTube

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The Verge

YouTube Snapchat

Gmail Nest Discord

3 25

4. Azure

4.1

Azure

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AppRiver

Azure

Azure

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Azure App Services

200

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Office 365

MalwareHunterTeam JayTHL

Azure

4.2 Azure SQL Database Managed Instance

Azure

6 12

SQL Server 2008

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SQL Server 2019

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Azure SQL

Database Managed Instance(SQL Database)

Microsoft Azure

Azure SQL Database Managed Instance

PaaS

SQL Server

SQL Server

Azure

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LoRa

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Alibaba Cloud

LinkWAN

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LoRa

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Forrester

The Forrester Wave™ Database-As-A-Service Q2 2019

TencentDB

Forrester

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Forrester

Forrester

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12

Forrester Wave

Forrester

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Forrester

DBaaS

Microsoft SQL Server MongoDB MySQL PostgreSQL

Redis

Tcaplus

DBaaS

Forrester

7.

7.1 +AI+5G

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AI IoT 5G

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“ +AI+5G ”

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CSA STAR

BSI

CSA

CSA

STAR

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BSI

MTCS

Level3

BSI

Level3

AI

AI

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AI

1. Openstack

2. Easystack

2.1 EasyStack

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ECS Stack

IT

ECS Stack

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ECS Stack

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ECS Stack

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IaaS PaaS

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EasyStack

EasyStack ECS

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2.3 EasyStack

OpenStack

EasyStack

OpenStack

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OpenStack

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OpenStack

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OpenStack

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OpenStack Cinder

OpenStack

(HP HDS)

2.4 EasyStack

OpenStack

EasyStack

OpenStack

OpenStack

EasyStack

OpenStack

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OpenStack Domain Project

Project

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OpenStack Ironic

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5G+AI+IoT

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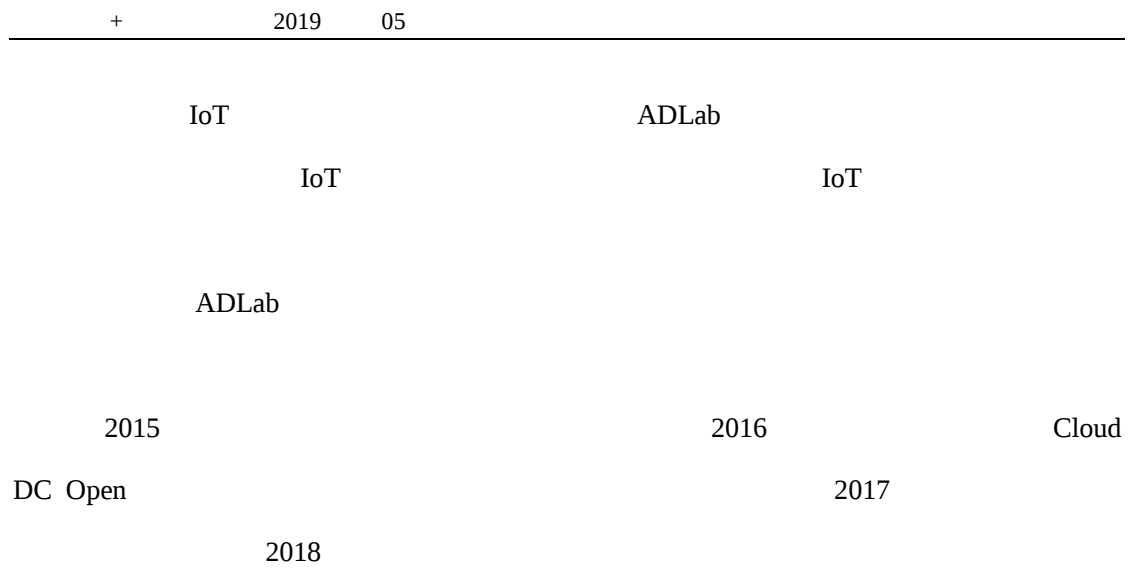
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5G		-AISWare AI ²	
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5G PaaS		AISWare AIF	
5G		-AISWare Network Intelligence	
5G		-AISWare 5G BigData	
		AISWare AntDB	

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IPv6

IPv6

UEBA

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1. Kubernetes 1.15

2019	6	20	Kubernetes	1.15	25	2
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2. Docker

Windows Subsystem for Linux 2

Windows Subsystem for Linux 2 (WSL2)

Kube-OVN

NetworkPolicy

Iptables

Openflow

PortGroup

AddressSet

OVN

2.

2. iOS 13 macOS 10.15 SHA-1

2017

SHA-1 TLS

Mozilla

SHA-2

SHA-3

WWDC 2019

iOS 13

macOS 10.15 Catalina

SHA-1

RSA

TLS

CA

 $\geq$ 2048

TLS

< 2048

RSA

TLS

CA

SHA-2

TLS

SHA-1

TLS

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2.

2.1 Liongard 450 A

6 3 Liongard TDF Ventures 3 450 A
 Liongard MSP Roar Roar
 Roar

2.2 Orca Security 650

6 12 Orca Security YL Ventures 650 Orca Security

2.3 Expel 4000 C

6 18 Expel Battery Ventures 5 4000 C
 Expel