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2018

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3.	GOOGLE	<i>7</i>
4.	Azure	<i>8</i>
5.	<i>8</i>
6.	<i>8</i>
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AWS

Amazon S3

Amazon API Gateway

AWS WAF

Amazon RDS for Oracle

Oracle 12.2

AWS Secrets Manager

CloudFormation

AWS ECS

AWS Fargate

AWS Deep

Learning AMI

Chainer 5.0

Amazon Inspector

EC2

VMware

Kubernetes

Heptio Google

CEO

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OpenStack

OpenStack Summit

2018 OpenStack

Ceph

EasyStack

EasyStack

2018 OpenStack

StarlingX

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GITC 2018

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Envoy

Aqua Security AWS

Azure Kubernetes AKS

Microsoft Azure

Azure

Kubernetes

AWS

Serverless

microVM Firecracker

25

2018 Q3 Android

320

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CPU

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BlackBerry 14

Cylance

ForeScout Technologies 1.13

SecurityMatters 2

Netskope 1.68 F

Shape Security APT XM

Cyber 2600 E 2200 A

2018 11 30

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1. AWS

1.1 Amazon S3

11 2 Amazon S3

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S3

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Amazon S3

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Amazon S3

S3

1.2 Amazon Inspector EC2

11 5 Amazon Inspector

Amazon EC2

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AWS API

CLI

Amazon Inspector

Amazon Inspector

EC2

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AWS Deep Learning AMI

Chainer 5.0

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Amazon Linux

AWS Deep Learning AMI

Python 3.6

iDeep 2.0

Chainer 5.0

Deep Learning AMI

Chainer 5.0 Amazon EC2 CPU GPU

AWS Deep Learning AMI TensorFlow PyTorch Apache MXNet

Amazon EC2

1.4 Amazon API Gateway AWS WAF

11 5 Amazon API Gateway API AWS WAF
 API Web
 AWS WAF Web
 Web Web API
 AWS WAF Amazon API Gateway API SQL
 (XSS) IP /
 Web HTTP
 AWS Marketplace API
 OWASP 10 (CVE)

1.5 Amazon RDS for Oracle

11 6 Amazon MAX_STRING_SIZE
 " EXTENDED" Amazon RDS for Oracle
 VARCHAR2 NVARCHAR2 RAW 32767
 Oracle 12c

1.6 Amazon Inspector

11 8 Amazon Inspector " "
 VPC Amazon EC2
 Inspector AWS Internet
 VPN Direct Connect VPC
 Amazon Inspector AWS
 EC2

AWS

AWS

Amazon Virtual Private Cloud (VPC)

(ACL)

AWS

EC2

Inspector

Inspector

(CVE)

Amazon EC2

EC2

1.7 AWS Secrets Manager CloudFormation

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AWS CloudFormation

AWS Secrets Manager

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7. ≈ j**7.1** **OpenStack**

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OpenStack

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eBay Classifieds Group Progressive , SBAB

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3% 2018 4 OpenStack

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2018 61% Kubernetes OpenStack

PaaS BBVA CERN

Kubernetes 2016 OpenStack

OpenStack Kubernetes

Kubernetes 70%

z Kubernetes OpenStack
2018 OpenStack OpenStack Ironic
24% Ironic 2016 9% Ironic
OpenStack OpenStack OpenStack
Kubernetes Ironic 37% OpenStack Kubernetes
CNCF Magnum 16
z OpenStack OpenStack
OpenStack OpenStack
78% OpenStack 44%
AWS 28% Azure 24% Google
OpenStack 58
z OpenStack TOP3
2018 OpenStack OpenStack
OpenStack “ OpenStack “
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“ OpenStack ”

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 “ EasyStack
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 OpenStack OpenStack
 EasyStack
 10 IBM 340
 Github VMware Kubernetes Heptio
 Dell EMC HPE 33% 29% 27%
 IT OpenStack TOP3

2. Easystack

2.1 Ceph

EasyStack

11 12 Linux

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2.2 EasyStack 2018 OpenStack

11 13 OpenStack Summit OpenStack 2018

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1.4 CERNET 2018

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Envoy

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Envoy

Kubernetes

Prometheus

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HTTP/2 gRPC MongoDB Redis Thrift

API

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Envoy

InfoWorld

2018

Airbnb

Booking.com eBay F5 IBM Lyft Medium

Netflix Pinterest Salesforce

Square Stripe Twilio Verizon VSCO

3000

2. Aqua Security AWS

Aqua Security AWS Marketplace for Containers

AWS Marketplace

Aqua

Amazon

AWS Aqua
AWS Marketplace for Containers AWS Amazon Elastic Container Service
Amazon ECS AWS Marketplace for Containers
- Aqua Container Security Platform

3. Azure Kubernetes

2018 11 13 Linux KubeCon +
CloudNativeCon 2018 Kubernetes
Brenda Burns Kubernetes Azure
Kubernetes Service AKS Microsoft Azure
2016 4 Microsoft Azure Azure Container Service
2017 2 Kubernetes 11 Azure Kubernetes
Service AKS Kubernetes
Kubernetes Azure Azure CLI
Azure Terraform
Kubernetes Azure
Azure AKS Azure
Virtual Kubelet
Azure Container Instance AKS
Kubernetes Azure Active Directory
Kubernetes Azure Active Directory Kubernetes
Kubernetes Key Vault Kubernetes
Azure (CNI)

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Firecracker

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1. 25

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SCALANCE

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S602 S612

S623 S627-2M V4.0.1.1

SCALANCE

Applied Risk

Web

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Nelson Berg

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4.

Check Point

5. 2018 Q3 Android

320

40%

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2018

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6.

CPU

CPU

CPU

CPU

PortSmash CVE-2018-5407

Meltdown Spectre

7.

Java Script

ZDNet

Google

JavaScript

Google

Google

JavaScript

JS

Google Play

Google Play Protect

Google

Google

Google Pay

Gmail

Google

1.

1.1 Threat Stack

Bluefyre

11 8

Threat Stack

Bluefyre

Threat Stack

Bluefyre

Cloud Native

1.2 ForeScout Technologies

SecurityMatters

11 8

ForeScout Technologies

SecurityMatters

1.13

ForeScout Technologies 2000 4 San Jose
SecurityMatters

1.3 SolarWinds 8MAN

11 15 SolarWinds 8MAN SolarWinds
SolarWinds

8MAN

1.4 BlackBerry Cylance

11 16 BlackBerry Cylance 14
Cylance

2.

2.1 Shape Security 2600 E

11 1 Shape Security Baseline Ventures 8 2200
E Shape Security

2.2 Netskope 1.68 F

11 13 Netskope Accel 6 1.68 F Netskope
Cloud Access Security Broker, CASB Netskope

1. APP/SaaS

APP/SaaS 2.

SaaS

SaaS

3.

4.

5.

2.3 Automox 930 A

11 13 Automox Blue Note Ventures 3 930 A

Automox Windows Linux Mac
90

Automox

2.4 Duality 400

11 13 Duality Team8 400 Duality

Duality

2.5 XM Cyber 2200 A

11 13 XM Cyber Macquarie Capital 4 2200 A

XM Cyber APT

2.6 Alcide 700 A

11 19 Alcide CE Ventures (CEIIF) 2 700 A

Alcide

Alcide DevOps

Alcide