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1.5			
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1. AWS

1.1 AWS

CNCF

AWS
CNCF AWS
Adrian Cockcroft CNCF AWS Arun Gupta
AWS Azure IBM Bluemix CNCF
CNCF
CNCF Kubernetes Fluentd linkerd Prometheus
OpenTracing gRPC CoreDNS containerd rkt Container Networking Interface
CNI

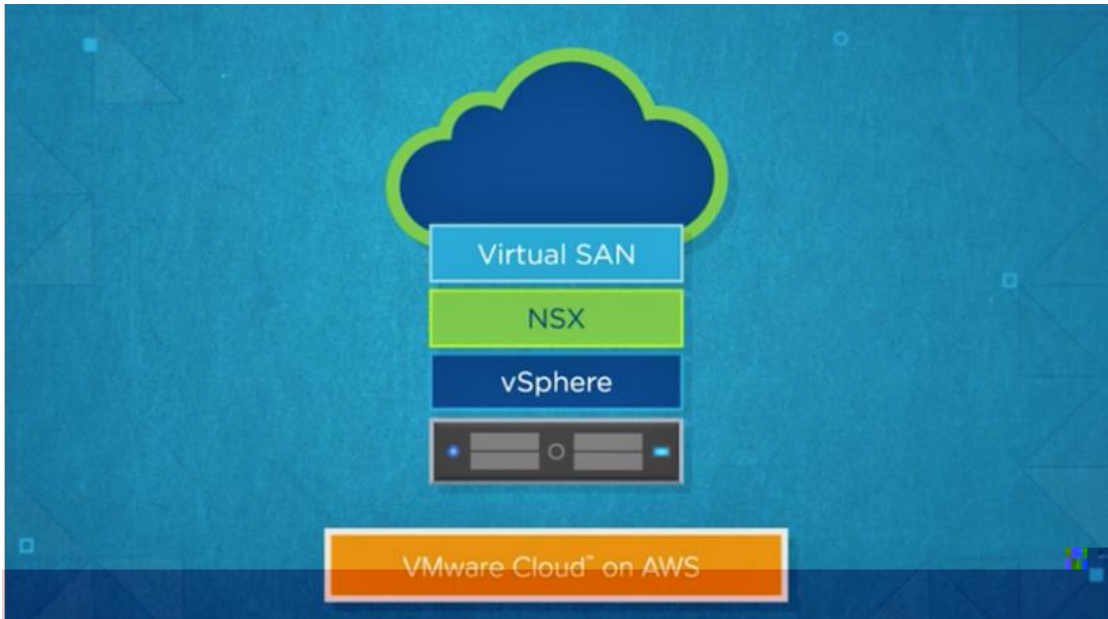
1.2 AWS

1000 GameSparks
GameSparks
AWS

1.3 VMWARE AWS

VMware Cloud on AWS

VMware Cloud on AWS VMware
vSphere AWS



AWS 2018 VMware Cloud on
AWS VMware Cloud Foundation VMware
AWS IoT

1.4 **AWS**

Amazon Macie

AWS Amazon Macie
Macie Amazon S3 AWS S3 Amazon
Macie
Macie
Amazon Macie AWS

1.5 **AWS**

180
FBI
UpGuard AWS
Election Systems
&Software 42

2. GOOGLE

2.1 Titan

Titan Titan
Titan Titan
Titan
Gartner
500

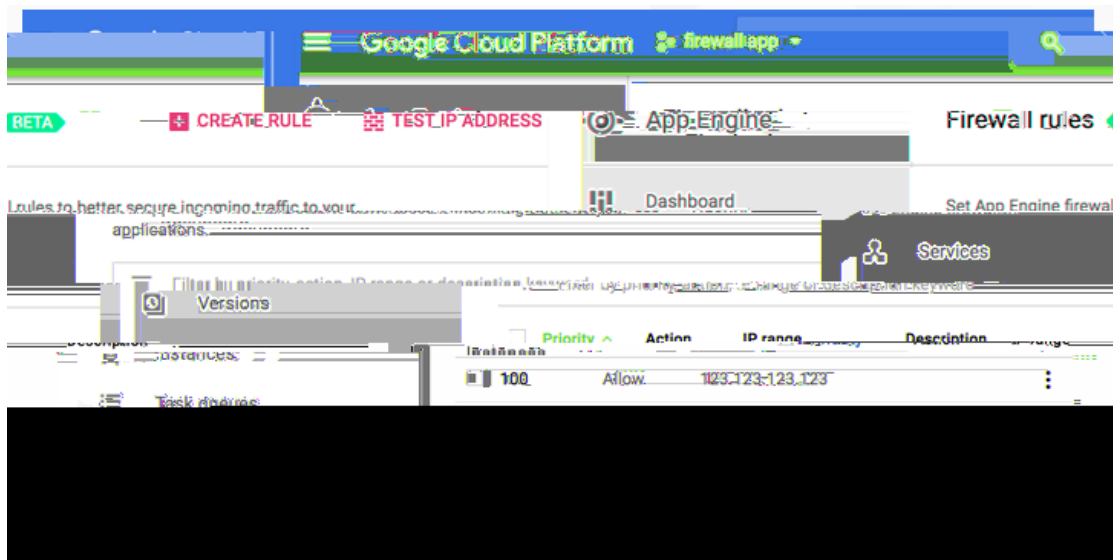
2.2

33

Cedexis
HTTP 50
5,401kbps 3223kbps

2.3 Google App Engine IP

App Engine Google



		App Engine	API	Google Cloud
Console	gcloud			IP

			IP	
GAE			IP	app
DDoS				

2.4 Kubernetes

	Codefresh			Kubernetes
			Kubernetes	
Kubernetes			10	Kubernetes

2.5 Propublica

Propublica

3. Azure

3.1 AWS

		TheStreet	Pacific Crest	Brent Bracelin
		Microsoft		AWS
Microsoft	10			

		Business Insider		AWS
	1150	1135		AWS
				WS

3.2 Azure

Azure		blob	Hubs
-------	--	------	------

Azure

DocumentDB

(

4.3

4.4

4.5

4.6

5.

5.1

-
-
-

5.2

DevOps

-
-
-
-

5.3

5.4

AMD EYPC

5.5

PCI DSS V3. 2

5.6

AI





5.7

5.8 DDoS

1. Openstack

1.1 OpenStack Pike 9 1

2. Easystack

2.1 EasyStack

AI

3.

3.1

4.

4.1

6 IP SReXperts

Nuage

Nuage VSS

4.2

Techworld 2017

2017 8 4

Techworld 2017

5. 360

DDoS
CDN 1
DDoS

8. Fortinet

8.1 **Fortinet FortiGate** **AWS VMware Cloud**
Fortinet FortiGate AWS
VMware Cloud FortiGate VMware AWS
VMware Cloud FortiGate AWS VMware Cloud

8.2 Fortinet

Fortinet SaaS FortiCloud
FortiCloud version 3.2
SaaS Fortinet FortiGate FortiAP FortiSwitch
Granular access controls application usage policies sandbox integration

1. NeuVector

VIC vSphere Integrated Containers vSphere
VMware
NeuVector VIC VIC
NeuVector VIC
● VIC
●
● 7

- VIC Docker Docker
- VIC
-
-

2. Aqua

2.1 Manifesto

Manifesto

Kubernetes

2.2 Kubetnetes

Kubernetes

CIS Center for Internet Security

Kubernetes Benchmark

Aqua CIS

K8s Benchmark

Kube-bench

Aqua

Liz Rice

Go

YAML

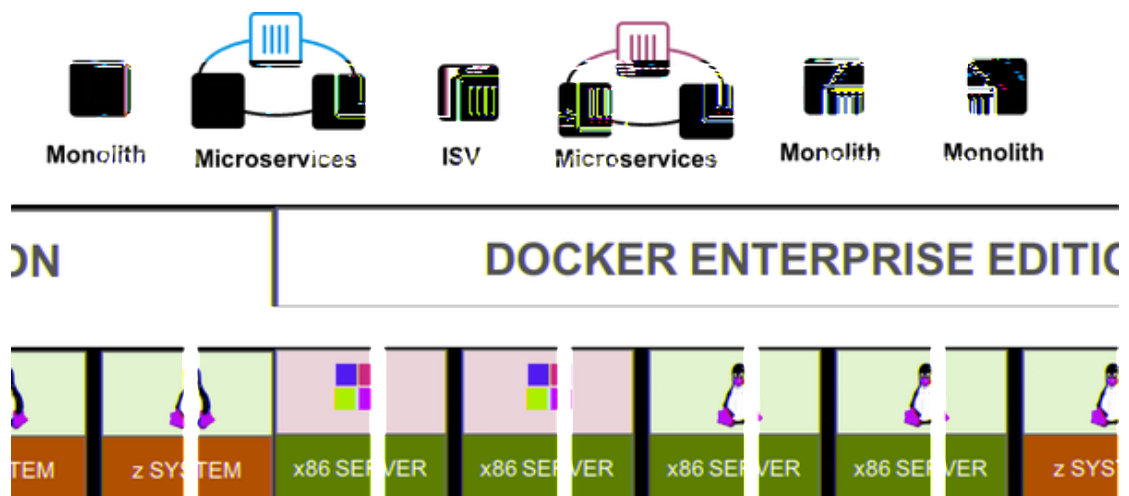
JSON

Kubernetes

K8s

3. Docker Enterprise Edition

EE 17.06



Docker EE 17.06 Windows Linux Linux
CaaS
Linux Windows x86 Docker
EE

Docker EE Windows Linux

- Docker Windows overlay networking
- overlay networking Windows Linux
- Windows Linux

4. Istio



Istio

Istio

- HTTP gRPC TCP
-
- API
-
-

Istio

Kubernetes

Mesos

5. CoreOS Tectonic 1.7.1 Azure Kubernetes



IT

Kubernetes

CoreOS

Kubernetes

CoreOS Tectonic

Azure

Kubernetes

6. OpenShift 3.6

6.1

- PCI DSS DSS OpenShift PCI

- Secrets Secrets OpenShift 3.6

●

6.2

- Broker

OpenShift

- OpenShift OpenShift

WiFi

60 emoji

APP

WebWiew

web

APP

APP

3. Flashpoint Intelligence Academy

Flashpoint

Flashpoint

FIA

BRI

BRI

BRI

BRI

IoC

Flashpoint

BRI

Flashpoint

BRI

Brian

Mohr

FIA

Mohr

IoC FIA

FIA

BRI

Flashpoint

4.

8

645

1200

1200

20 4000
300kbit 1.1kbps
2030
2 2015
1010

5. Cylance

Cylance Cylance PROTECT Home
Edition BYOD
Cylance
10 Cylance PROTECT Home Edition Windows Mac
iOS Android

6. Netflix

API DDoS

Netflix DDoS
Akamai Q1 DDoS DDoS
1% DEF CON Netflix
microservices arthitecture
gateway API
API DoS Netflix
API
DDoS Repulsive Grizzly
Cloud Kraken

7. ESET

ESET

ICS

Industroyer

IDA Pro

IDAPython

OPC Data Access

Havex RAT

Win32/Industroyer

1. Respond Software SOC 1200

Respond Software 1200

SOC

SOC

Respond Analyst

26

SOC

75

2

Respond Analyst

PGO

1500

Respond

2. Dragos A 1000

Dragos

A

1000

Deloitte

CrowdStrike

Dragos

Dragos

2016

Dragos

Dragos

ICS

CyberLens

Dragos

Energy Impact Partners (EIP) Allegis Capital DataTribe
DataTribe Dragos 2016 8 120

3. SSL

DigiCert
2018 Q3 9.5
DigiCert 30% Chrome 10
SSL SSL
DigiCert SSL
Comodo IdenTrust 14% 5.5% SSL
DigiCert 2.2% 0.9% DigiCert
IoT SSL

4. Flashpoint 2800 C

Flashpoint 2800 C
BRI
Flashpoint
BRI Flashpoint
Geogian Partner Greycroft Partners
Bloomberge Beta Cisco Investments