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Comcast ¨ VMware Pure Storage ¨ 3ř ı

Google ı

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					W	2017
						Fortinet
						2018
CES		CheckPoint	SandBlast	NSS Labs	$\mathcal{D}_p$	
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Infinity Total Protection					$\mathcal{D}_p$	
		CoreOS		kubernetes		
		CNCF		Rook		
		Docker	LCOW w	↓	Docker	
	Linux	Windows	Bloomberg	$\vec{0}$	Kubernetes	
	PowerfulSeal		OpenStack		Buoyant	
$\vec{0}$	Kubernetes	⊢	“Conduit”	linkD	↓	
VMware	github	$\vec{0}$	Serverless	Dispatch		
		Open Whisper Systems	Signal		L	
	Skype	⌈	E2E	✓	↓	$\vec{0}$ z
↓	Skygofree	No		≈	Alphabet	
	Chronicle		No		‰	
	⊢	Chrome 64	w	≠	o	
		Spectre				
			Δ	$\vec{0}$	4	8
Threatcare	1	140			Savage Security	

FireEye

≈ ≈ X15 Software Sumo Logic

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1. AWS

1.1 AWS Linux2

1.2 AWS

1.3 Comcast AWS

1.4 0

2. VMware

2.1 Pure Storage VMware =

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4. Azure

4.1 Aveve

4.2

4.3 AI

4.4 Azure 0

5.

5.1 BTV

5.2 0

5.3

5.4 EHPC - 0

5.5 | 1 CDN

5.6 CodePipeline - 0 -CodePipeline() 0

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5.8 8 - 8 0

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5.11 AI ET

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6.2 | 1 CDN

6.3 “ + ”

6.4 0 TCE AI

6.5 1 0

7. 7.1 7.2

- 7.1 7.2

1. Openstack

- 1.1 Mirantis Ardrian Lonel CEO Openstack

2. Easystack

- 2.1 AWS+EasyStack re:Invent
- 2.2 EasyStack OpenStack

3. 99CLOUD

- 3.1
- 3.2 OpenStack

1.

- 1.1 2017
- 1.2 Meltdown Spectre

2.

- 2.1 Gartner IDPS
- 2.2

3.

- 3.1
- 3.2 5G
- 3.3

4.

- 4.1 NIDS/NIPS
- 4.2 2017

5. 360

- 5.1
- 5.2
- 5.3

6.

- 6.1 W 2017
- 6.2

7.

- 7.1 W
- 7.2

9.1 Check Point Technologies $\neq$ Infinity Total Protection

9.2 Check Point SandBlast NSS Labs $\mathcal{D}_p$

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1. $\propto$ **CoreOS**

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1. AWS

1.1 AWS Linux2

1 3 AWS Linux

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Linux 2 VMware Microsoft hyper-v

Oracle VM VirtualBox =



Linux2 5 Bug

Linux2

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1.2 AWS

1 10 AWS

1.3 Comcast AWS

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3. GOOGLE ¨

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1 16 AlphaBet ¨ ¨ 5 ¨ ¨ 3

4. Azure ¨

4.1 ~~Example~~

4.3 AI

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AI “ ”

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4.4 Azure

1 23 Monza Cloud Azure AzStudio AzStudio

Microsoft Azure

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5.1 BTV

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5.4 EHPC - .

1 11 EHPC E-HPC
HPC

5.5 CDN

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CDN
CDN

5.6 CodePipeline - -CodePipeline()

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/ Jenkins
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5.7

1 16
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IVR

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Cloud Call Center
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腾讯云 AI 企业版

6.4 腾讯云 AI 企业版

1 22 腾讯云 AI 企业版

腾讯云 AI



TCE No IaaS PaaS SaaS

9 50 W

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AI TCE AI

API SDK

AI W

TCE PaaS Spring Cloud

No Mysql TDSQL

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TGit		- TGit	$\vec{0}$	Devmaster	$\approx$	$\vec{0}$	TGit
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1. Openstack

1.1 Mirantis ↔ Ardrian Lonel CEO Openstack

1 25 Mirantis ↔ Ardrian Lonel CEO Mirantis
 OpenStack CEO

Kubernetes

2. Easystack

2.1 AWS+EasyStack re:Invent

1 10 AWS re:Invent 2017 Recap EasyStack AWS
 OpenStack+ AWS = EScloud Hybrid =
 OpenStack AWS
 EasyStack + AWS

2.2 EasyStack OpenStack

1 12 OpenStack EasyStack

3. 99CLOUD

3.1 “ . Œ Ó

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3.2 OpenStack ²

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1.2 Ü Meltdown Spectre ĩ

	Google	Project Zero	Ü	Ü	Meltdown
CVE-2017-5754	Spectre	CVE-2017-5753/CVE-2017-5715			CPU ≠
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$$\mathbb{V} \neq \mathbb{Z}$$

$$\int_{\mathbb{R}^n} \frac{1}{|x|^{n-2}} dx = \frac{2\pi^{n/2}}{n-2}$$

3.3

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4.1 NIDS/NIPS “ ”

2018 1 Gartner 0 IDPS(Intrusion Detection and Prevention Systems

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7.2 Flyme “

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8. Fortinet

8.1 Fortinet 2018 CES

Fortinet

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Fortinet FortiOS R-Car H3 SoC

Fortinet Renesas CES

IPS DDoS No

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1. CoreOS

1 = 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

2. CNCF -ROOK

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

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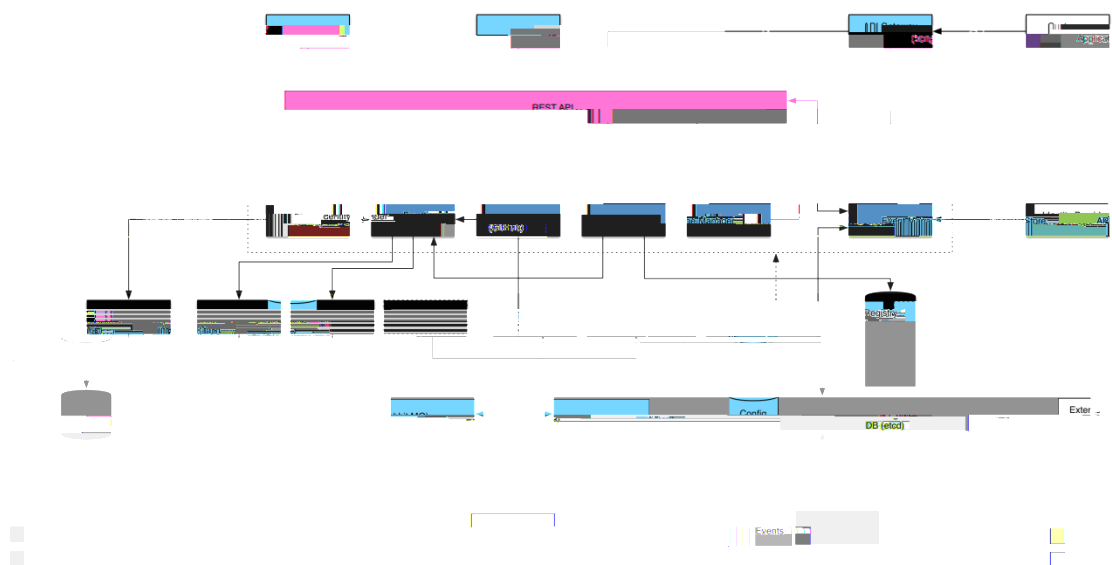
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CPU
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 Conduit Buoyant “ ”
 L Go Conduit
 TLS Rust
 Rust 10M
 Rust

6. VMware Serverless Dispatch

VMware VMWorld 2017 Serverless
 Apache OpenWhisk FaaS
 Serverless VMware Serverless
 Dispatch VMware GitHub
 Dispatch Kubernetes
 Serverless Dispatch
 Kubernetes “ ” Serverless
 Dispatch Apache License 2.0
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1. Signal ř Skype

Open Whisper Systems Signal L
 Skype ř E2E ř w ř Skype 8
 Skype w ů ř
 Signal ř ř ř Facebook WhatsApp Facebook Messenger
 ř Google Allo ř ř
 ř ř E2E ř ř Skype

2. ř ů ř Skygofree №

ř ů 2014 ř Skygofree
 w ř Android Accessibility
 Services ů WhatsApp ř ř ř ř ř Wi-Fi
 Skygofree ř № ů №
 2015 ř ř Skygofree №
 Skygofree ř ≠ IT ř Skygofree 3
 IT ř “ Negg ” ř “ Negg ” ů ř
 Skygofree ř Skygofree ř exploit,
 ř ř root Android ≠
 Skygofree ř ř shell C C ř L

3. ř Alphabet ř

Chronicle

Google ř Alphabet ř ř ř
 Chronicle 2016 X —Alphabet “ ” ř №
 “ ” ř ↑ Chronicle ↔
 ř ř Stephen Gillet ř ř Chronicle ↑

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CryptoMove					