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ʌ Ψ ⵛ ʔ ضِ

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1.1 AWS ɣ ᴘ ƨ ᴍ ᴠ ˜ ᴝ CNCF

1.2 ˚ AWS Ⱶ ̀Ẽ̃

1.3 Ь Ɛ Ⱶ̤̈ ƀ ᴸ Ⱶ

1.4 ⁘ Ⱶ ᶎ ᶟ ᵒᵒ ᶎ

1.5 ˚ Ⱶ ᶎ Ḥ

Ɛ˗

2.1 Ɑ Ḥ ŋ Ɛ Ⱶ

2.2 Ɛ ₹ . Ⱶ

2.3 ᶹ Ḃ ṵ ᴸ

5.7 ɛ ŭ “ ”
5.8 ɛ
ʊ ɛ˺ 9
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1.1 ɢ ŭ
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6.1 ŋ ġ...
6.2 ... Ɛ ġ Ɛ

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Ɛ ŋ Ηυ Ð 21

1. ŋ Ɛ˜ Respond Software SOC ¯. °° ƈ 1200 ˝Ḥ
2. ŋ Ɛ˜ Dragos A 1000 ˝Ḥ
3. ѽ ٧ ǂ ف SSL ʒ ⊢

϶ϳ ρ Ɛ + ŋ¯ ƥ

Ɛ ϰ ϳ¯

1. AWS Ɛ ŋ¯

1.1 AWS ɣ Ψ 2 ʍ ѵ ~ ϶ CNCF

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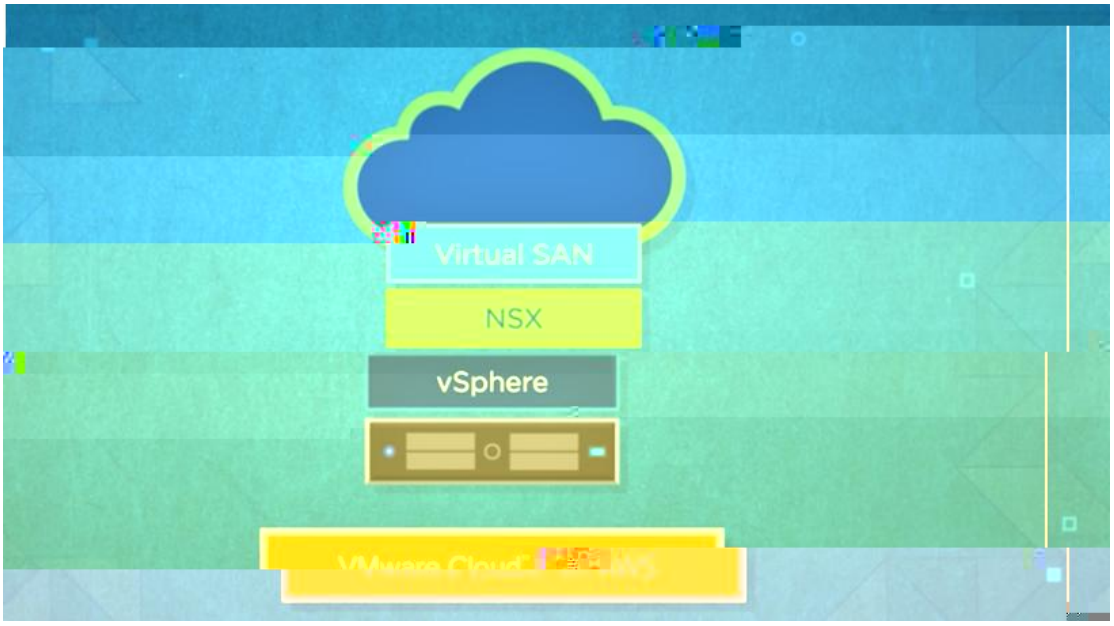
ɣ Ψ 2 ʍ ѵ ~ ϶ CNCF ƀ ч Ψ 2 № AWS Ɛ ◖

Adrian Cockcroft ѵ ~ CNCF ʜ Ψ AWS Ғ Arun Gupta ϒ

ė ƀ ¨ ƀ

╠˚ AWS Azure Ɛ ˜ IBM Bluemix ė Ɛ CNCF Ψ

2



ضي Ⱶ h AWS يج ضر ٧ ᴸ ɢ 2018 h ŋ VMware Cloud on AWS VMware Cloud Foundation ᴸ ¨Ḥ ą ɪ ıı VMware Ί ỉ □ ≠ AWS ɲ ƚ ´ № IoT ŋ ˫ Ⱶ

1.4 AWS⁛ Amazon Macie Ⱶ ڪ ڍ ڥ ڃ

AWS ⁛ Amazon Macie—— Ⱶ ضي ≠ ڪ ڍ ᴸ ↑ ɣ ĭ Amazon S3 Ũ ضي AWS S3 ˜ Ţ Amazon Macie ≠ ᴸ ŭ № ≠ ɷ ᴍ Ḥ ɣ ĭ ƀ Ḥ ٧ Ḥ ڊ Macie Ⱶ ƀ ˫ ˫ h ŋ ڤ ŭ Amazon Macie ضِ ˢ Ṝ ỉ AWS Ũ Ⱶ

1.5 ˚ AWS Ⱶ ڪ Ḥ

يج `Ẽ ɪ ıı ৩ 180 ʁ ≠ ʁ ɷ Ḥ `Ẽ ⁛ ʁ ≠ ʁ ڠ يج FBI Ḥ Ţ´ Ƈ O ضر يخ ₣ № Ψ ŋ˝ ڠ №ά ˜ ´ Ƈ ˢ ڠ ᴍ Ḥ ŋ `Ẽ UpGuard ضي ˜ ỉ Ḡ ˚ Ⱶ AWS ⁛ ŭ ৩ № U Й ৩ ˢ ∞ ˢ Election Systems &Software `Ẽ `Ẽ ч 42 ɷ ᴸ ڠ Ⱶ

2. GOOGLE Ɛ˙

2.1 Ƣ Ḥ ŋ Titan Ɛ Ⱶ

Ƣ Titan ɐ Ɛ Ḥ ŋ ʐ Titan

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ش 500 ¨Ḥ

2.2 Ɛ ₹ . Ⱶ

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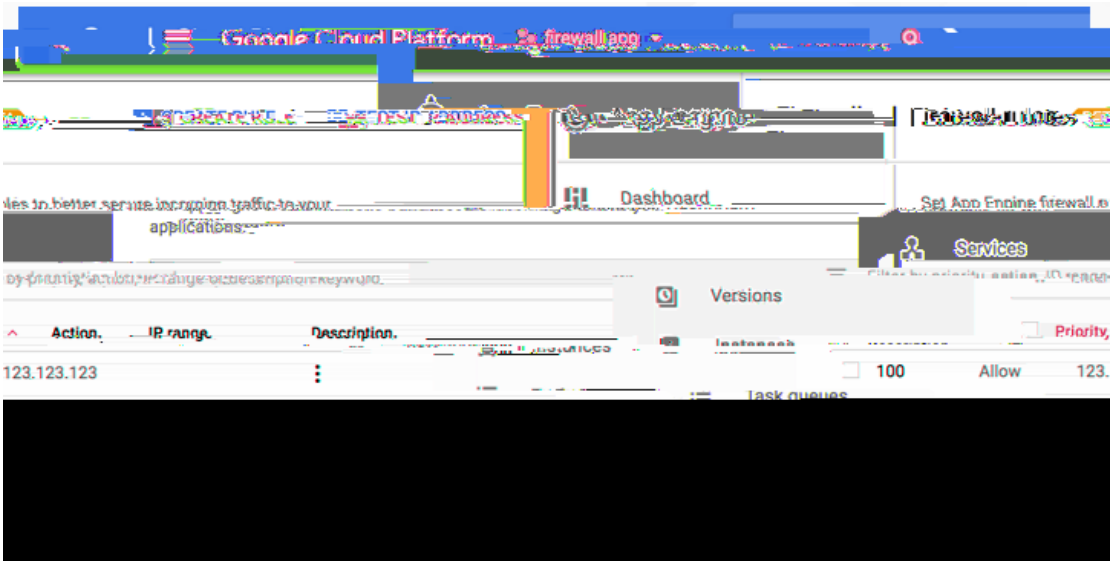
ɻ ‰ Ң ٧ ≠ ض HTTP 50 № β ɻ ‰ ơ g

ŋ ơ g ч 5,401kbps ‰ ơ g ч 3223kbps

2.3 Google ٩ App Engine Ḃ ŭ ᒪ IP

ч ᴝ Ḃ ŭ ɻ 2 ١ Ș ↑ App Engine ᒪ Google ₹

ᴝ ŋ ᴡ



ΰ ıˆ ɣ Ș ↑ ppF1 9Ƽ5(E)8(ng)10(i)4(ne11102 ƽ142 3ƽ31 0 0 41 11102 ƽ442 Tm0 gᵽ530ƽ8ƽ51F

Ь ỉ ɾ Azure Ɛ Ⱶ ỉ Ʇ´ Ⱶ DocumentDB ɣ ỉ ỉ ɾ Ⱶ (ᵖ

4.3 Ḥ ƀ Ɛ‴ ƀ ˜ ▯ ヿ Ţ ヿ ‴ Ɛ ﺵ

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4.4 Ɛ ƀ ´ ˜ h “ ” Ī ¬

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4.5 Ɛ ƀ ‴ ƀ

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4.6 Ɛ ₣ ѵ ▬

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ʉ ⁘ D № ŭ

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5.1 Ɛ ŭ ŭ ⅞ ŭ

Ɛ ŭ №ˌ ˥ ŭ ŭ

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Ɛ Ⱶ ɣ ᵒᵒ ج w ϖ ˥ ش Ţ ο ʒ ˜ ↕ ض G

ɣ ڍ ʒ ⇔ ”

- Ɛ ﻝ Ạ ᵗ ʒ ⇔ ض
- Ɛ ˥ ŭ №ˌ ᴇ Ṿ g ŭ ˊ ˜
- Ɛ ⇔ ʒ ⇔ ʒ Ẽ ⇔ ʒ

5.2 Ɛ DevOps ŭ Ð

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5.7 ɛ ŭ “ ”

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5.8 ɛ DDoS

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2. Easystack˗

2.1 EasyStack ₹ ŋ ɷ AI Ɛ ˜

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3. ˚ Ḥ

3.1 ˚ Ḥ ... ˜ ↑ ʒ Ŭ

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ضي ᒪ ... ˜ ʒ ... ˚ Ḥ Ӟ ضي ... ʒ ᔓ Ŭ ʒ

... ᕒ ĭ №... ʒ ضي ≠ ᕒ ƀ

˚ Ḥ ⇔ ↑ ʒ ... ᵒᵒ ʒ h ĭ r. ŋ Ŭ

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4.1 ₹ Ɛ ŋ ▬

ضي 6 ŋ IP ظ SReXperts . ، ... ... ˚ ₹

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ضي ŋ Ţ ~ ᔓ Nuage È˜ ˚ Nuage VSS ŋ Ⱶ

˜ ~ ŋ ٢ ٧

4.2 ɐW ́E **Techworld 2017** Ψ

2017 8 4 ́E Techworld 2017 Ψ ضي ، Ƃ ɐ

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8. Fortinet

8.1 Fortinet FortiGe . 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 VMware

NeuVector VIC VIC NeuVector VIC

- VIC
- 7

- ﺽﻲ VIC Docker Ꮒ Docker ˜ ŋ
- ﺽﻲ VIC Ţ ﺡﻛ
- ﺡﻛ ɇ Ꮒ ˆɾ ˜ ˥ ɇ ˆ˥
- ˫ Ꮒ ŋ ɇ

2. Aqua

2.1 Manifesto ﻉ ﻡ ﻑﻫ

Manifesto ɢ ﺽﻲ ﺡﻛ ˝E Ũ˝Ḥ Ỉ ˝Ḥ ˆ ƴ Ḡ ˜ ð Ḥ

Ӟ ˆ ƴ ą ˢ Ḥ ⇔ ˫ ˙ Ỉ h Kubernetes ʋ ˝Ḥ

2.2 Kubetnetes Ỉ

ﺽﻲ Kubernetes ˜ ŋ Ӟ ԓ ο ʒ ˜ ԓ

ˋE ⁞ ŋ ≠ CIS Center for Internet Security ﺽﻲ ₣ ২

Kubernetes Benchmark ‰ ﺡﻛ ŋ ˥ ﺩ Aqua ƴ CIS ₣ K8s Benchmark ƀ ԓ

₣ ২ ŋ Ỉ Kube-bench

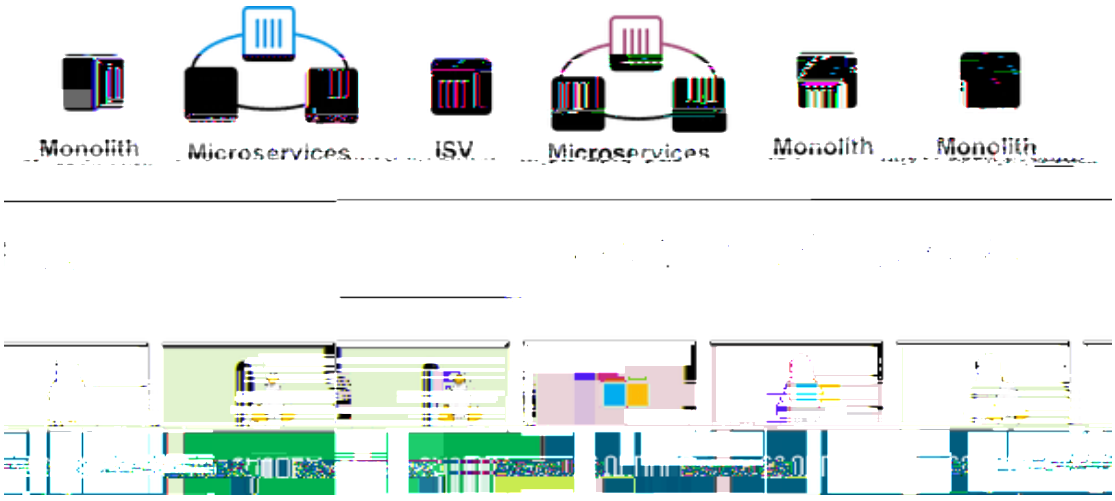
Aqua ¨ Liz Rice Ỉ ą Go ð ↕ ˋl ɢ YAML

ˆ Ӟ JSON Ḃ ą ˥ ˆ ɾ ˫ ˙ Ỉ ﺽﻲ

ĸ ⊢ U ২ ᵽ ŭ Kubernetes ك˙ Ӟ Ψ ʒ ᵛ ˛

ᵭ K8s ﻉ ƀ ŋ ᒪ ð

3. Docker Enterprise Edition ŭ ο ʒ EE 17.06



Docker ο ʒ EE 17.06 ´ Ƈ ɢ Windows Linux ɣ Linux ﻗﻤ

CaaS ɦ ɲ ƛ ˜ ο ʒ ... Ţ ο ʒ ´ ɢ

Linux ɣ Windows ᴰ ɣ ⊦ ɢ x86 ⊦ ﻙ ﻗﻤ ɣ ̀E ¨ Ɛ Docker

EE ˢ ... ⌡ ˬ ˜ Ţ ˆ ʟ ɣ ʟ

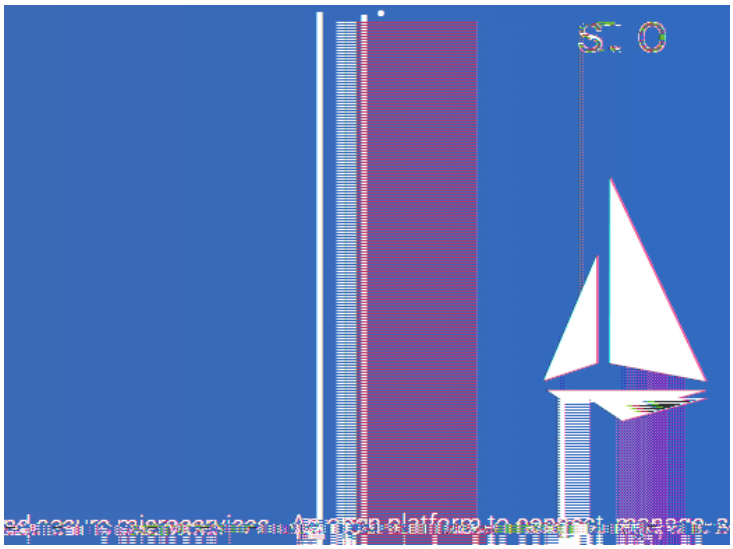
ɣ ʏ ĭ ˫ . ƀ ʟ

Docker EE ﺽ ﺿ ɣ Ɇ ; Windows Linux ɣ ﻗﻤ ɳ ۊ ═

ɳ ɦ ʍ ´

- Docker Windows ﻙ ﺙﺎ ´ يج ̋E overlay networking
- ą overlay networking Windows ɣ Linux ɾ ...
- ﺿ Windows Linux ɣ ﻗﻤ ...

4. Istio ⊦ ŋ



Istio ɷ ˜ ʟ ᴝ ɣ Ḡ ⊦ Istio

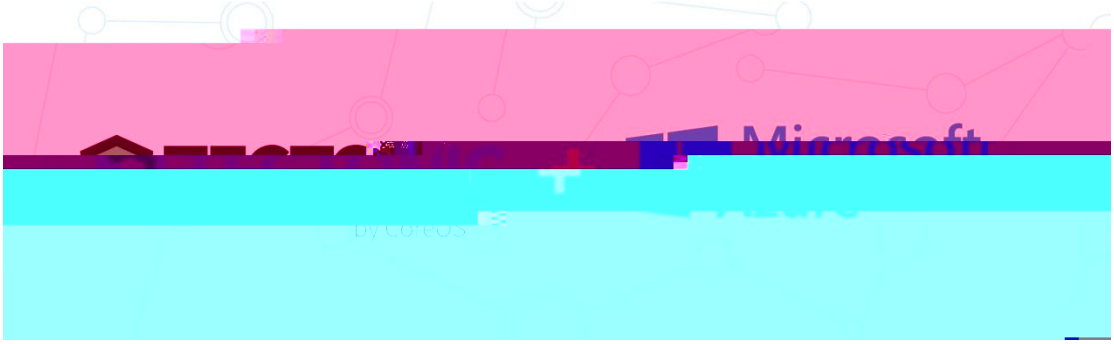
⊦ ɥ ɣ ... ˢ ƀ ⊦ ɳ

- HTTP gRPC ɣ TCP Ḥ ˫
- ą ɣ ↕ ɣ ˜ ɥ ʟ
- ɷ ˆ ɣ API ʟ ʟ ɣ
- ˫ ɣ ṗ ɣ ∓
- Ţ ⊦ ɥ ĭ ʍ Ḡ ⊦ ⌡ ⊦ ŋ ʍ

Istio ╠ Kubernetes ˜ ⅞ضي Ь ƙ Ɛ Mesos غ ĵ

ɾ ˜

5. CoreOS Tectonic 1.7.1 ضي Azure Kubernetes



Ɛ غ . ĵ ٶ ٥ ʒ IT ƀ Kubernetes

ч ڪ h L í CoreOS غ ... ƀ ٥ ʒ Kubernetes

= CoreOS Tectonic ⌠ Azure ˆ ץ ضي Ɛ ˜ ⁘

Kubernetes ƀ

6. ₹ OpenShift ڪ ˜ 3.6 ﾉ Ɛ Ḡ غ

6.1 ŋ غ...

- PCI DSS°° ج ↑ ' ĵ Ũ' D Ḥ ٧ ٥ ʒ ٶ PCI DSS ٧ ڏ OpenShift ڪ ˜ ▯ ٶ ɾ ا ضي =
  غج
- Secrets ٧ w غ ″E O Ụ˜ Ũ' Secrets ٧ OpenShift 3.6 ч ˜
  ٧ ٶ O G Ţ يج ″E ṗ Ḡ ضي ⁘ ƌ Ƶ
- ٧ Ь▯ ץ ĭ غ
  L U ٧ ضي ᄂ ⊢ ▯ = ⁘

6.2 ... Ɛ غ Ɛ

- ⊢ Ţ : Broker غ ⊢ ↑ ᄂ غ Ь ضي
  Ţ ‵E Ɛ ⊢ ɾ ا OpenShift
- OpenShift Ţ : ↑ ⊢ OpenShift

ץ ضي OpenShift Ţ ڪ ⊢

●

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ɳ ṗ ২ 60 emoji ২ γ

ض ŋ Ӟ ˥ ˆ γ ą APP We

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ً 300kbit ٹ خش ч 1.1kbps “ ً ” ٧

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Ḥ ؛؛ ∩ ضي Ḥ ؛؛ Ψ غج ч ضي Ḥ

Ѝ ₇ ⌠ к ᵥ ∩ ч ѵ Ḥ Ψ ˜ Ţ يج

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؛؛ ˜ ⌠ ২ 1010 .

5. Cylance ŭ ٦ ٹ ج

Cylance شي ŭ ٦ ٹ ج Cylance PROTECT Home

ً ” Edition “ Ø

7. ESET

ESET Industroyer IDA Pro IDAPython OPC Data Access Havex RAT Win32/Industroyer

1. Respond Software SOC 1200

Respond Software 1200 SOC

3. SSL

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

4. Flashpoint 2800

Flashpoint 2800 Flashpoint BRI Flashpoint Flashpoint

Geogian Partner Greycroft Partners

Bloomberge Beta Cisco Investments