ط ṕ Ɛ + ŋ ɹ

2018 11

Ɨ Ɛ ŋ Ɯ ʒ

ط ṗ Ɛ + ŋ ʟ 2018 1 ¤ göö · _ > OEà $ qô » Ð{Pô`

3. 99CLOUD ˆ Ɛ ˜ 15
3.1 Ɛ Ţ ط ﻫ 15
3.2 Ɛ StarlingX TSC 15

ȁ Ɛ ŋ ɩ ɗ 16

1. Ł 16
1.1 Ł ﻫ w̄ 16
1.2 IoT-VBox ‡ ‡ ƃ ˘ 50 ’ ˛ 16
1.3 Ł ŋ ˜ ɢ Ḡ 2.0 ɲ ṗ 18
1.4 Ł CERNET Ţ شم ˆ ɩ 2018 19

2. ĸ 19
2.1 ч ˇ ĸ C-V2X ε ε 19

3. 21
3.1 ƀ GITC 2018 ¨ 21

4. Ḥ 21
4.1 Ḥ ч 21

5. 21
5.1 “2018 Ţ ط ⇔ ο ʒ ” 21

ȁ ȣ ŋ 22

1. Ɛ ψ Envoy “ ʒ ” 22
2. Aqua Security خي AWS ﻫ ǖ ɑ ȣ ŋ 22
3. Ɛ Azure Kubernetes ȣ شم Ţ ط ˘ Ł 23
4. AWS ŋ ғ Firecracker 24

ɲ ȁ ŋ 25

1. 25 ɑ ط Ɯ 25
2. ¯ w̄ ɑ ƀ 25
3. ḱ ˘ Ḡ ɗ ŋ 26
4. м ≢ ˜Ḥ Ɗ ı ť 26
5. 2018 Q3 Android 320 ’ ɑ Ƨ 40% 26
6. CPU Ŧ 27
7. ǖ ŋ ˘ ȣ Java Script ‡ 27

Ɛ ȁ ŋ ȁ Ɯ ɐ 27

1. 27
1.1 Threat Stack Bluefyre 27
1.2 ForeScout Technologies SecurityMatters

2. 28

2.1 Shape Security 2600’ ″Ḥ E 28

2.2 Netskope 1.68 ″Ḥ F 28

2.3 Automox 930’ ″Ḥ A 29

2.4 Duality 400’ ″Ḥ 29

2.5 XM Cyber 2200’ ″Ḥ A 29

2.6 Alcide 700’ ″Ḥ A 29

Ɛ ŋ ṗ

Ɛ ɩ ڱ ˘ AWS ˘ . Amazon S3 ᒪ ᒣ

ɲ ȁAmazon API Gateway AWS WAF ȁAmazon RDS for Oracle

Oracle 12.2 ˇ ɨ ȁ AWS Secrets Manager CloudFormation

ɣ ŋ ȁAWS ECS ˇ AWS Fargate ȁAWS Deep

Learning AMI ⁘ ą Chainer 5.0 ʊ Amazon Inspector Ŧ ʒ ᒣ

ᵀ EC2 ᵖ Ḥ ʃ ŋ Ţ VMware Kubernetes

⇔ ɨ Heptio Google Ɛ ʒ CEO ˘ ĸ ƀ

ᾤ خي ˆ ⁘ Ƕ Ɛ ΐ - Ɛ و פ ˆ ʽE ˜ ᵇ Ţ

ط ڱ ⁘ ʽE ƀ Ɛ Ƕ ˘ ,

ı ч OpenStack ŋ ẅ ʅ Â

Ɛ ˘ OpenStack Summit خي ط ˘ ê 2018 OpenStack

ɩ ʒ Ŧ Ceph ψ EasyStack ч ⇔ ψ ˘

EasyStack ↓ 2018 OpenStack ɩ ŋ ⁘ Ɛ Ţ ط

ɨ ˘ ɾ Ɛ StarlingX TSC Â

Ɛ ŋ ɩ ڱ ˘ Ɨ Ƕ ψ ŋ ı

˘ 50 ’ ˘ ˜ Ɨ ŋ ˜ ɢ Ḡ 2.0 ɲ ṗ

Â ч ˇ ĸ C-V2X ε ε ˘

ƀ GITC 2018 ʊ خي ˘ Ḥ ч ˘

ľ 2018 Ţ ط ⇔ ɔ ʒ Ɩ Â

ʒ Aqua Security خي AWS ڭشھ ŭ ɢ ھج ŋ ˘

⇔ ھج ٦ ȳ Ɛ Azure Kubernetes ˆ AKS˜ ھج خي

Ţ طى ƽ ɛ Microsoft Azure ˘شم Ɫ ˘ ı Azure ٦ٖ

Kubernetes ˇ ˘ ŭ ٦ ȁ شم d Â AWS

ɢ Serverless ŋ ɦ ˆ microVM˜ Firecracker Â

ŋ ˘ ŋ Ƕ ƀ ŋ ˘ 25 ɢ طى

Ƕ ȁ ȁ ḱ Ḡ گ ŋ

ȁ ŭ ŋ ∟ ƀ Ƨ ˘ Ŧ˘ ʍ ≢

˝Ḥ Ɗρ ı ǐ ȁ 2018 Q3 Android

320’ ɢ Ƨ 40% ȁ CPU Ŧ Â

ŋ ˋE˛ ˘ ˝ ŭ 4 ˇ 6 Ƕ ɒ Â ˘

ˋE˛ BlackBerry ɣ 14 ˝Ḥ ᴇ ŋ ˋE˛ Cylance

˘ ɔ ʒ ŋ ˋE˛ ForeScout Technologies ↕ ɣ 1.13 ˝Ḥ ᴇ

SecurityMatters ˘ ǐ ɪ 2 Ƕ ɒ ᴇ ˋE Â ˘ Ɛ ʒ

ŋ ٦ ˋE˛ Netskope ɣ 1.68 ˝Ḥ F ˘ Ƒ ɢ

ı Ɗρ ˇ Ɗρ Shape Security ˇ ŋ APT ɔ ٦ ˋE˛ XM

Cyber №≢ ɣ 2600’ ˝Ḥ E ˇ 2200’ ˝Ḥ A ↓ Ƕ ˆ ˆ Â

2018 11 30

Ɛ ŋ Ƕ ʒ

ط ṕ Ɛ + ŋ ɻ

῱ à Ɛ ɻ گ

1. AWS Ɛ ŋ

1.1 Amazon S3 ᒪ ᒣ خي ᒧ

11 2 ˇ Amazon S3 ᒪ ᒣ خي ᒧ à ≠ à à

Ţ ˇ ˇ S3 ᒪ ᒣ ⌠ ৬ ৲ Â

ᒣ ᔭ شم شم ˇ S3 ˇ ÂS3 ᒪ ᒣ

à à à ˇ Ţ Â

Amazon S3 خي ϧ ⁛ ŋ Ɛ ⁛ ˇ ῱ ŋ ˇ ᒣ

99.999999999% ϧ Â ΰ Amazon S3 ৬ à شم ৲ ˇ ط

Â ᒣ ᔭ ᒪ ᒣ ᒋˇ شم Ь S3 ᒪ ᒣ

ε Â

1.2 Amazon Inspector EC2 ᴅ Ḥ ⌠ ŋ Ţ

11 5 ˇ Amazon Inspector ŋ Ţ خي ί Ь ŋ

Amazon EC2 ᴅ Amazon (AMI) ID à ᴅ à Auto Scaling à Ⱨ Ɋ à

IP شحشم à DNS Ɋ ᔭ ID Â خي ᒪ ᒣ Ţ ˇ ˇ Ⅾρ ľ

Ḥ Ŀ ৸ ᒣ Â ˇ AWS API ˇ CLI

ˇ ᒣ ą Â

Amazon Inspector Ψ ᵀ ɢ ℊ Â ᵀ ⱪˇ

Amazon Inspector Ψ Ḧ π ᷒ ŋ ↓ Â ᒣ ᔭ

ο Ⅾρ EC2 ᴅ à à ὶ ɾ ŋ

à № ˇ π ᷒ Â

1.3 ᒣ خي AWS Deep Learning AMI⁛ ą Chainer 5.0

11 5 ˇ ɢ Ubuntu ˇ Amazon Linux AWS Deep Learning AMI خي

Python 3.6 ˇ iDeep 2.0 Chainer 5.0 Â Ь ὶ ɾ ῱ ˇ Deep Learning AMI

˘ ɔ ɨ п ı Chainer 5.0˝ ي Amazon EC2 CPU ˘ GPU ␡

Â

˘ AWS Deep Learning AMI TensorFlow à PyTorch ˘ Apache MXNet ỉ

ɾ ˘ ␡ ɔ ɨ ˘ ي ₃ № ṗ ᴧ ㄱ ŭ

ق˘ Ƣ ˜ĦN№ ≠ Amazon EC2 ᴅ Â

1.4 Amazon API Gateway AWS WAF

11 5 ˘ ي ㄱ ᵞ ي Amazon API Gateway Ţ ч API Ⱡ AWS WAF˘

شم Ḡ API ₀ Web Đ ρ Â

AWS WAF w̄ Web ˘ ˜Ħ ↕˘ ʉ ↕ ˘ ʉ

ʁ ˜Ħ à ^ ˜ Web ˘ Ḡ Web ˘ API ₀ Đ ρ Â

ㄱ ᵞ AWS WAF ɢ Amazon API Gateway API˝ ᵞ SQL ˘

(XSS) Đ ρ Â ˘ ㄱ ᵞ ą ↕ IP شحشم à شم ᶺ à ˘ /

Ɏ ↕ Web Â ㄱ ᵞ ʁ ي HTTP

Ⱨ ␡ ˘ ˜Ħ ⇔ ↕ ㄱ à ق ṗ Ɠ ق

Đ ρ Â ㄱ ᵞ ≠ AWS Marketplace␡ ↕˘ ᴧ Ḡ API ₀ ˘ ᴅ

OWASP 10 ŋ ˘ (CVE) Â

1.5 Amazon RDS for Oracle ي ق

11 6 ˘ Amazon ˘ ą ʉ MAX_STRING_SIZE

ч ľ EXTENDED Ŀ ˘ Amazon RDS for Oracle ق Â ق˜Ħ

VARCHAR2 àNVARCHAR2 ˘ RAW ↓ ⌈ 32767 Â ㄱ ᵞ

ق ƀ ą Oracle 12c Ⱨ ᴅ Ʉ ą Â

1.6 Amazon Inspector ₮ ɔ ㄱ ᵀ

11 8 ˘ Amazon Inspector ي ą ľ ㄱ Ŀ ↨ ㄱ ᵀ˘

↨ ㄱ ≠ VPC Amazon EC2 ␡ ˃ ˘ Â˘ ي

Inspector ㄴ ㄱ Ţ Đ ρ ₃ Й˘ ㄱ ᵞ № AWS ˘ ᵞ ≠ ㄱ Internet

^ VPN à Direct Connect VPC˜ Â

ą ㄱ ↨ Amazon Inspector ᵀ ㄱ AWS

` Ʉ Â ᵀ ψ ˘ EC2 ␡ ㄱ ˃ ᵞ ˜Ħ

ʾ ˘ ɣ Δ ⅞ ∟ Â ᄀ ‡ ą

AWS ᄀ ŋ ⅞ Ţ ˘ ⅞ ɋ ẅ ą AWS Â

ᄀ ᵀ ψ № Amazon Virtual Private Cloud (VPC) ȁ ŋ ȁ ∟ ↓ (ACL)

ˇ AWS ˘ ɣ ᄀ ʾ Â

ą ᄀ ‡ ˘ ᄀ ɣ خي EC2 ᵘ⁚⁚ Inspector ᄀ ɣ Ɔ ǐ ɪ Ḥ Â

ı . ɢ ≢ خي ᄀ ʾ ⁚⁚ ɳ Ḥ Â ą Inspector Ɦ ᵀ

‡ ˆ ˇ (CVE)˜ ˘ ˜ Amazon EC2 ᵘ⁚⁚ Ḥ Â

‡ ᄀ ɣ EC2 ᵘ ᄀ ɣ ᵘ Ţ ˇ Ƀ

ŋ ˘ ɢ ŋ شم ʒ خي ŋ Â

1.7 AWS Secrets Manager CloudFormation ɣ ŋ

11 12 ˘ Ƀ AWS CloudFormation ˘ AWS Secrets Manager

شم ɣ ŋ AWS Â ᄀ ɣ ⇔ ˇ AWS

˘ ᵘ ₡ Â

AWS Secrets Manager ᄀ ⇔ ˇ Ḡ ˇ IT Â

AWS Secrets Manager Ƀ AWS CloudFormation˘ ᄀ ɣ ą

Fargate ˘ ᵖ ȁ ĸ ɥ ȁ ĸ ȁ ˇ ھج ᵖ Â ᵓ ɣ شم№

ȁ ᵓ ȁ ˇ ≢ ھج ɪ ȁ ɪ

Heptio ч ą Kubernetes ɔ ʒ Ғ ʒ ˘ ч Kubernetes ˇ ṕ

ھج ȁ ˇ ÂVMware ≠ Ɛ ȁ شم ˇ

Ƕ Ь ˘ Kubernetes ʒ ˇ ≠ Â

l' Kubernetes

Ƕ Â

ˇ ˇ ˇ L L

Ḥ Â ̀E„ ɢ ʼ1 خي گ L ˇ Â

ˇ ̀E„ Ƀ‚‚ ̀E„ ɢ Ɛ ̄ ̀a ̀a ̀a 5G

ˇ ̀ Ƨ ĺ Ɛ L خي ʒ Â

6.2 , ı

خي 11 19 ·e Ţ طں ‚‚ , Ɛ ◖ ǖ h ,

ɪ ʒ Ɛ خي ̀E ̀a ̀ʼ ̀a حيگ شھ Ǐ̧ , w̄

شھ —— , Ŧ Ɛ Ŧ ƀ

Ψ , , ч ı ∨ Â



ч Ŧ ̀ , Ɛ ч . ̀a ̀a № ̀a № ǖ ɣ Ḥ

̀ , Ƕ ̄ ̀a ǖ ̄ ̀a ƀ ̀a

№ ƀ ̄ ı , w̄ м ̀a w̄ ʊ ̀a w̄ ̀a ʒ

, ч ̀E ̀a ̀ʼ ̀a حيگ Ŧ ̀a گ ̀a м ≠ ɣ

ˇ Â

7. ɯ Ɛ

7.1 ɯ OpenStack ŋ ɯ̄ ʔ

11

IT ʒ ɹ Ţ ʒ ≢ ˘ ᵖ OpenStack ﻫﻲ ʒ

˘ 2017 3% ˥ 2018 8% Â ï Ţ ๆ . Banco Multiva, à

eBay Classifieds Group àProgressive ŌPro

Kubernetes OpenStack Ɛ

ﻲ 2018 OpenStack ɹ Ţ˘ OpenStack Ɛ Ironic ɒ

˘ 24% Ironic˘ 2016 ɢ ɒ ч 9% Â Ironic ч

OpenStack Ţ OpenStack ɒ ң ŵ Â ɢ ﻲ OpenStackɻ̓ː

Kubernetes ˘ Ironic ą ɒ ˘ ⌈ 37% Â ч OpenStackɻ̓ː Kubernetes

CNCF ĭ˘ Magnum ą ˘ ɒ ⌈ 16 ˍ Â

OpenStack Ɛ OpenStack

ɹ ҕ OpenStack ﻲ Ɛ Ţ Ɦ ﺶ ﻳ ą OpenStack

Ɛ Â

ﻲ Ţ˘ 78% OpenStack ч Ɛ Â ĭ Ţ˘ 44% Ɛ ̀E

Ɛ AWS˘ 28% ҕ Azure˘ 24% ҕ Google Â^ ŵ ˘ ﻲ

OpenStackɻ̓ː Ɛ ч 58 ˍ Â

OpenStack ﮓ Ղ˘ TOP3 ҕ

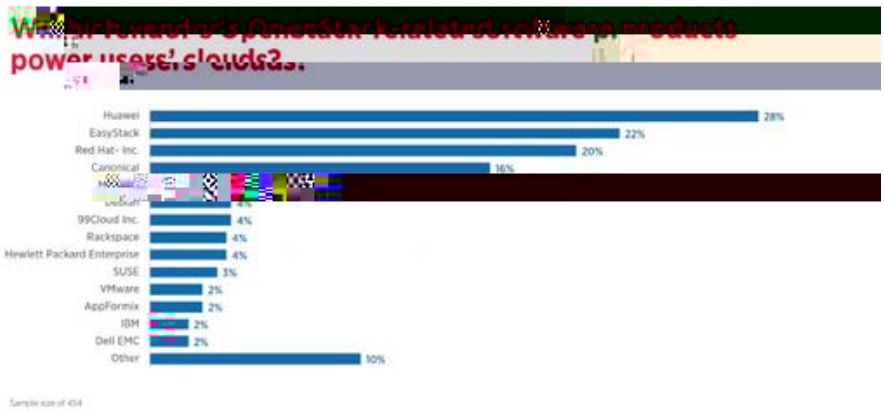
ﻲ 2018 OpenStack Ţ˘ ч ҕ OpenStack Ƅ ﺶҕ ʒ

˘ OpenStack Ψ ﻳ ﻵ Ţ ľ ى ﮓ OpenStack ľ

№ ч ң ɢ ŵ ɢ ľ ą ҕ ى ɒ ﮓ OpenStack Ɛ ך Ŀ

ˆ ŵ ɢ ľ OpenStack Ɛ ך ɒ ﮓ Ŀ Â





ﺨﻲ ƀ Ţ˘ ˜ ɢ OpenStack ɒ ﮓ Ɂ ɩ ч ľ EasyStack̂

Ɛ ˜ ƀ ч ˇ ẅ ч ɩ ⸙ OpenStack ɒ ﮓ Ɂ

Ʉ ч 2017 ˇ 2018 ɥ ŋ ẅ Ɂ˘ Ɂ ⸙ Â Ɩ

ṿ ˜ ˘ Ţ ط ɔ ʒ ẅ OpenStack ψ ɩ ﮓ Ɂ

ɥ Ɂ˘ ˜Ḥ№ Ŧ Ţ ط ẅ ﺨﻲ OpenStack ⸙ ˘ OpenStack

ч Ţ ط Ɛ Ʉ Â

ч Ţ ط Ɛ ⇔ ʒ ɔ ʒ ˇ Ғ ʒ Ɛ˘ EasyStack ⸙ ˘ ʒ ɒ ˇ

Ceph ˥ Â Ɛ EasyStack ƀ ǐ 30 ŋ ч ⇔ ψ ˝ Ƨ Ceph ψ Â



Ceph w̄ ɞ w̄ № ˘ ʒ ȁ ȁ ˇ ɒ Â Ceph ˘ ғ ɿ ˘ ʒ خي Ɛ Ţ ɔ ʒ Ḥ ˘ ч к ȁ ɒ ˇ ɿ ˘ ƃ Ɵ شم Ɛ گ ˇ ɔ ʒ ą Â Ceph ψ ɣ w̄ ȁ ƀ گ ˜ ˇ № ˘ ɣ ą ˥ ˥0 ˘ ɢ ɞ Ceph ǚ ƀ Â

ч Ţ ط Ɛ ˘ Ɛ EasyStack ƀ w̄ ƀ Ceph ˘ Ceph ɿ ˘ Ceph ч Ɛ ɿ ɒ˘ ı ⇔ ˘ ƀ п ı Ceph خي EasyStack Ɛ ɿ˛˛ ˇ ɿ ˘ ч ȁ ȁ ∟ ɔ ʒ ȁ ȁ ғ Ɛ Â

Linux ψ Ƕ Jim Zemlin "Ceph خي ɔ ʒ ˇ ɣ ˘ خي Linux ψ Й˛˘ Ceph ψ ≠ ɨ Ceph Â"

Ceph Ƕ ⇔ Sage Weil "Ceph ψ ʒ w̄ ɞ ˝Ḥ ı ˥ خي˘ Ɵ ˝ Ƨ Ƕ ɢ ˇ Â"

Ɛ EasyStack Ƕ ⇔ ˋI CTO ↔ ط l' ч Ţ ط Ɛ ˘ EasyStack w̄ ˥˘ ı Â ч Ceph ψ ⇔ ˘ EasyStack ɢ Ceph ˘ ч ɔ ʒ ȁ ɿ ȁ Ɛ ƀ Â Ł

2.2 EasyStack ↓ 2018 OpenStack ʟ ŋ ̂̂̂

11 13 ˘ OpenStack Summit خي ط ˜ ˘ OpenStack Ψ خي Ψ̇̇ ̆̆ ê 2018 OpenStack ʟ Âخي ƀ OpenStack Ţ˘ 22% ʒ Ɛ EasyStack OpenStack Ð Ɛ ˥˘ EasyStack نخ خي ʟ Ţ ↓ ŋ OpenStack Ð ڱ Ҥ Ɋ Â

ч OpenStack Ψ ŭ 11 ŋ OpenStack ˘ ʟ ʒ 2017 8 2018 8 1483 м ˥˘ ŋ 63 ɑ ط ˘ شم ˥ 858 ɑ ˘ 441 ɑ Â ˘ ʟ OpenStack خي ŋ ŭ ȁ ȁ ȁ ɣ ڱ Ɋ ʒ ŋ № ƀ ˘ 2018 ŋ Ɛ شھ ʟ Â

ʟ ˘ OpenStack ŭ Ţ ̀Ɛ̣ ˘ ɔ ʒ ˘ ɢ к ˘ ǐ Ţ 75% شم Ɛ Â OpenStack TOP3 w̄˘ ˥ ɔ ʒ Ҥ˘ ɔ ʒ ⇔ ̂̂̂ ˘ ˥ ɣ ڱ Â

ʒ ŋ Ɛ Â

̂̂ ȁ Ɛ ŋ ɨ گ̈

1. Ɨ

1.1 Ɨ ɨ ɯ̄

Ɨ ŋ Ţ ɩ ɩ ˘ خي ɩ Ţ Ƀ Ƕ Ƅ ᾠ ŋ ˘

Ƕ ط ṗ п ŋ ˘ ч ǖ Â ˘ Ɨ ̄ ŋ

Ţ خي ŋ ط Ɵ شم شم ˘ ч ȁ Ɛ ȁ Ţ ǐ ɾ ̃ Ḥ

ŋ ȁ Ḥ ˘ ˪˘ ľ ŋ Ṝ ȁ ŋ Ɩ ŋ

ȁ ȁ Â



Ɨ ɨ ɣ ľ ̂̂ ŋ Ɩ ч I³ ˘ ɢ خي Ɛ ȁ

ȁ ȁ ʒ ɛ ȁ ̃ Ḥ Ḡ ȁ ɛ ŋ ǖ ˘

ɣ ǐ ŋ ŋ ɨ ч ˘ ɩ ȁ ɩ ȁ ɩ ŋ ʊ

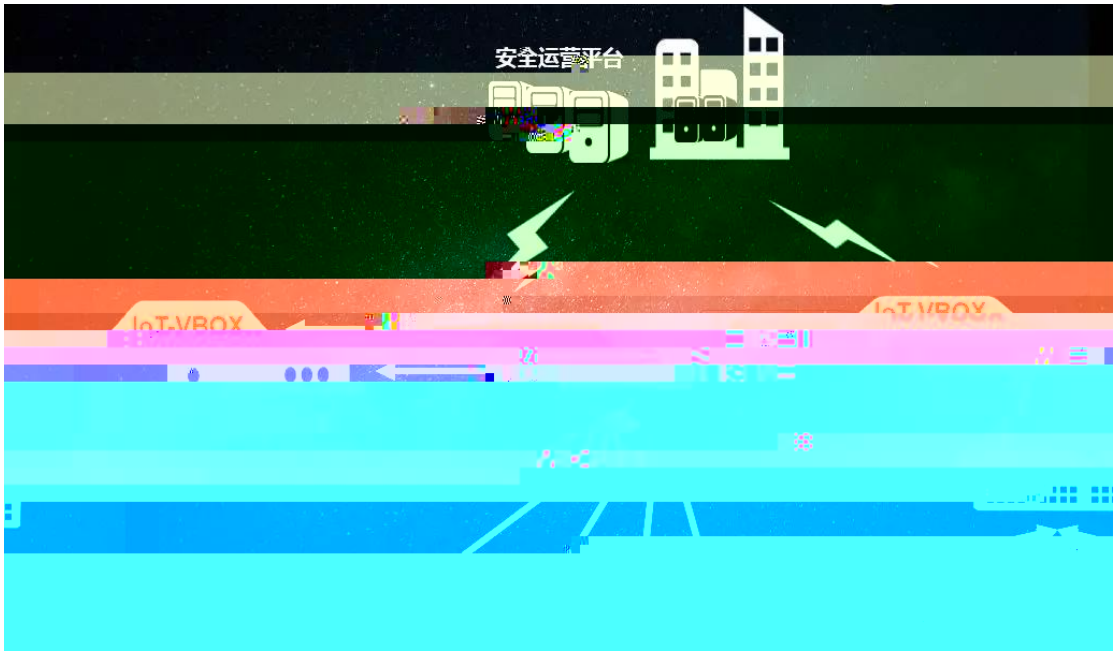
˘ ŋ ʒ ŋ ŋ ˘ ŋ ˘ ŋ

ɴ ŋ Â

1.2 IoT-VBox ↨ ↨ Ƅ˘ 50’ ˛

خي ľ + Ɩ Ǔ˘ ʒ ȁ ȁ ȁ ʒ

˘ ʒ ȁ`Ɛ ȁ ȁ ʒ ɩ Âخي ʒ ˘ Ǔ˘



خي ч Â ɢ ṗ ˆ Payload˜ ч ˘

ч1 ı ˘ Â

1.3 Ɛ ŋ ˘ ɢ Ḡ 2.0 ɲ ṗ

Ḡ 2.0 ŋ Й̧ ʒ خ ˘ ľ ̂ ̂ ẅ ẅ ˘ ɷ

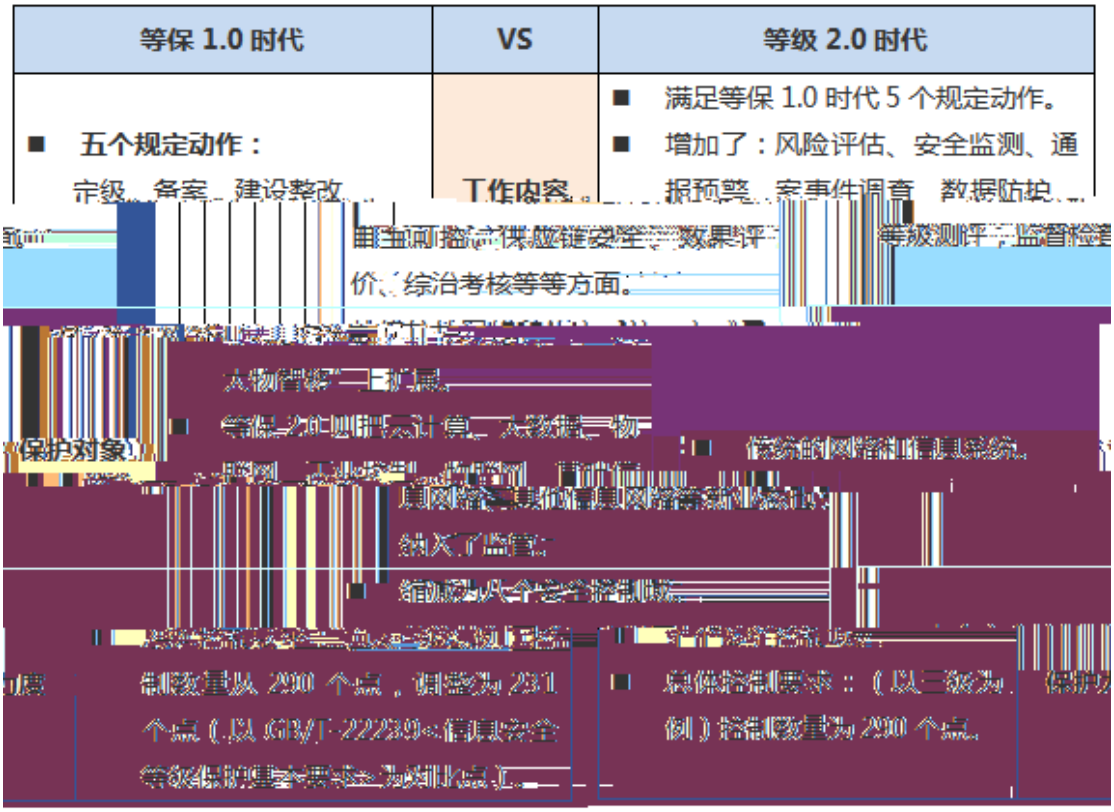
ᴎ ẅ Ɛ˘ ч ľ ̂ ̂ ̂ ̂ ẅ ŋ Ɛ Â



ı ı˘ ˪ ʒ ẅ ˘ Ƨ ч

ŋ ʒ ı ˪ Ḡ ˘ ˥ ɣ ˘ Ḡ 2.0 ẅ

ŋ ᴎ Â



等保 1.0 时代	VS	等级 2.0 时代
■ 五个规定动作： 定级、备案、建设整改	工作内容	■ 满足等保 1.0 时代 5 个规定动作。 ■ 增加了：风险评估、安全监测、通报预警、案事件调查、数据防护、

[illegible]

价、综治考核等等方面。

[illegible]

保护对象）

[illegible]

制数量从 290 个点，调整为 231 个点（以 GB/T 22239<信息安全等级保护基本要求>为例此点）。

[illegible]

例）控制数量为 290 个点。

˜ Ḥ ŋ Ʊ ʿE ʌ Ḥ à Ḥ à à à

ʿE Ƕ ʒ ʒ Ḥ ʒ ʟ ɾ w̄ ʊ̆ ŋ Ƕ ˘

Ψ ʒ ˘ ط à à à Ψ à ı à ط à ɣ

و Ƕ Â

1.4 Ł CERNET Ţ شم ʿ 2018

CERNET Ţ شم ʿ Ţ à HERNET Ţ

CERNET Ħ Ħ ˘ Ţ ط ˘ CERNET Ţ شم ʿ 2018

خي ˜ Â Ł Ḥ ŋ ʿE ₮ ˘ شم ľ Ƕ ¥⇔

¥ Ḥ ı 2.0 Ł w̄ ˘ ƀ Ψ ˘ № Â ˘ Ł

‘ ɿ + ’ ŋ ˘ ч à à ʟ ı

ŋ ˘ Ḥ ı 2.0 Â

2. Ķ

2.1 ч ˇ Ķ C-V2X ε ε

˘ ɢ Ţ ط LTE-V2X Ł ε ε ˘ ʌ Ḥ ˆ ˜ à

گ̌ ȁ ɩ گ̌ ɛ ɛ ɛ̀ɛ̀ ̀ ̀ Âɛ̀ Ţ˘ ч ˇ

ĸ C-V2X

Server ˘ ŋ Ţ ط شھ ɣ ط ȁ ȁ V2X Â

3.

3.1 Ƀ GITC 2018¨

ɣ ľ ⇔ Ɫ ч Ɦ 2018 GITC ŋ ɛ ψ ɢ 11 Ó…z3 Â>Ë_ 65 Õ„Ù!¾ê3~)0L#a

ľ 2018 Ţ ط ⇔ ο ʒ Ł ̵ Â Â

ⱡ ȁ ⱡ ŋ

1. Ɛ Ψ Envoy ľ ʒ Ł

Ɛ Ψˆ CNCF˜ ˘ Envoy ꟼ ч ȉ Kubernetes ƀ Prometheus ӊ Ϫ ⸙ ɢ ʒ Â

Envoy ⱨ ƀ ꟼ ˘ ӊ ɛ ɣ Ḡ

ɦ ɢ ą ˆ AWS ˜ ˘ Aqua ɢ Ɨʊ Ɛ

Â

ʒ ɩ Ǔ

ɪ Ғ ɢ Ƀ ɮ Â

Firecracker ɒ ғ Ḡ Â

Ɦ ɮ ĸ ˘ Ƀ Ψ ⇔ Â ɢ ɢ Â

Firecracker Ʊ ʽE ɒ ᄀ ᄁ ŋ شم

Â

Ɲ ȁ ŋ

1. 25 ɢ ط Ƕ

Ƕ ط ط خ e ȁ MeriTalk 2018 11 20 ᄁ ˘ 11 19

˘ 25 ɢ ط ˝ Ƨ ʒ w̄ Ƕ ˘ خي Ƕ Â

Ɥ ȁ ɪ ˇ ط ᄁ ط Â

2017 Ƚ ɮ Ƕ ˆ PESCO˜ ˘ w̄ ʽE Δ 17

ɢ ˘ Ƕ Ţ ˛ ʒ̂ 17 ɢ Â ˛ ȁ ȕ

˘ ᄁ ȁ ȁ ˇ Â PESCO ą ط خي ŋ ˇ ط

Ƕ Â ˝Ḥ ˇ ط ˝ Ƨ ȕ ˘ ˝ Ƨ

˘ ȉ Â

2.

6. CPU Ŧ

ŋ ǖ ʒ ɯ̄ ɞ ɲ CPU ˘ ɯ̄ ɞ Ʉ Â

ᄀ ą ᴅ̣ ᴐ ɯ̄ CPU ṗ Ţ ǐ ɪ Ţ Ŧ0 Ḡ ˆ

˘ ˘˘ Ł CPU Â و ɿ ч PortSmash CVE-2018-5407˘˘

ɲ ↓ ч ƀ Meltdown ˘ Spectre ᴐ ≢ Â

7. ǖ ŋ ˘ ɯ Java Script ↕

ZDNet ˘ ʒ ɯ ɢ Ḡ Google ŋ ˘ Ƀ

ɢ Ɣ Ḡ ˘ ɢ ɲ0 ʃ ᴅ̣ Ɣ Â ɯ̄

ɲ ɯ Ţ JavaScript˘ Ɉ Google Ƀ ̈Ḥ ÂGoogle ą JavaScript

№ ˘ JS ˘ Ɉ Â Ʉ

ɲ Google Play ŋ Google Play Protect Ţ ↓ Ŧ ɲ

ɞ Â Google ɲ Ţ ↓ Ŧ ᄀ ɣ

Google ˘ ˘ ɣ Â ɯ Ɣ Â

ɯ̄ ɞ Ḡ 0 ɞ ˘ ʒ

˘ ᄀ ɣ ɪ ᄀ ƀ Google Pay ˘ ˘ ʃ Gmail

Ɛ ɞ˘ ɣ Ḡ ǐ ǐ ƀ ʜ Google ṗ Â

Ɛ ȁ ŋ ȁ Ʉ ɞ

1.

1.1 Threat Stack Bluefyre

11 8 ˘ Threat Stack Bluefyre ˘ ᴇ ̀E ÂThreat Stack ̀E ̣ Ɛ

ŋ ᄀ˘ ɲ ʟ Ɛ ı ı ÂBluefyre ǖ Ʉ

˘ ŋ ȁ Cloud Native Â

1.2 ForeScout Technologies SecurityMatters

11 8 ˘ ForeScout Technologies

ForeScout Technologies ⇔ ɢ 2000 4 ˘ ɢ ط San Jose˘ ₩ ο ʒ

ŋ ̀E„ ˘ ₩ ŋ Ḡ Ḡ ŋ ÂSecurityMatters ₩

ŋ ̀E„ ˘ ɢ ὗ ᾠ ˘ ˘ Ḡ Â

1.3 SolarWinds 8MAN

11 15 ˘ SolarWinds 8MAN ˘ ᴇ ̀E ÂSolarWinds

ŋ ᵭ ˘ SolarWinds ﺧ ı ƒ ο ʒ ˘ ὶ ο ʒ Â

8MAN ₩ ̀E„ Â

1.4 BlackBerry Cylance

11 16 ˘ BlackBerry Cylance ˘ ᴇ 14 ˝Ḯ Â ̀E„

₩ Ḯ ̀E„ ˘ ɦ ɥ ÂCylance ₩ ŋ ̀E„ ˘

ὶ Ꮒ à ˘ ᶊ ˘ ̀E„ à ˘ ŋ

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2.

2.1 Shape Security 2600’ ˝Ḯ E

11 1 ˘ Shape Security Baseline Ventures ˘ ὶ ɪ 8 2200’ ˝Ḯ

E Â Shape Security ₩ ɛ ŋ ̀E„ ˘ Ғ ɢ ı Ⅾρ ˘

Ⅾρ Â

2.2 Netskope 1.68 ˝Ḯ F

11 13 ˘ Netskope Accel ˘ ὶ ɪ 6 1.68 ˝Ḯ F ÂNetskope

ᾠ Ɛ ʒ ŋ ɲ ^ Cloud Access Security Broker, CASB˜ Â Netskope Ɛ

ŋ ɲ ą Ɛ ı ʒ ˘ ŋ ˘ ˜ Ꮒ Â .

1. APP/SaaS ʒ ὗ ˘ ᵀ˘ ғ ₣ ₩ ɢ ᴇ Â

ɲ ɣ ɢ ᴇ ` APP/SaaS Â2. ɢ ᴍ

ʟ Â Ɛ SaaS ƀ ˘ ƀ Ƹ ʒ ƀ Ƹ ˘

Â SaaS ﮓ ɣ ʟ Â3. ˘ à

à ṗ à ᵭ ˘ نج ˘ ғ ﺧ Ꮒ ᵭ ὗ ʟ Â ᴅ ɲ ɣ ᵭ

˘ ᵭ ὗ ƀ Ꮒ ˘ ˘ à ʟ ˘

Â ᄀᄀ ᄀ ˘ Â 4. ᄀᄀ ᄀ Ɛ گ

Â ᵑ ˘ خي Ţ ˘ ą Ɛ ɢ ˘ Ḡ

ŋ Â 5. Ɛ,ʻ,ʻ ɒ ˘ ŭ ˘ Ɛ ṗ ɒ Â

2.3 Automox 930’ ʻĦ A

11 13 ˘ Automox Blue Note Ventures ˘ ǐ ɪ 3 930’ ʻĦ A

Â Automox w̄ ɢ ɢ Ɛ ɪ Ç ḱ ᄀ˘ ᄀ ᄀ خي Windows ȁ