

2018 5

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..... **1**

+ **4**

..... **4**

1.1 Amazon EC2 4

1.2 Amazon CloudWatch Amazon Kinesis Data Analytics 4

1.3 Lumberyard Beta 1.14 Script Canvas 5

1.4 Amazon Sumerian 5

1.5 Quick Start AWS Tableau Server 5

1.6 Amazon EC2 6

1.7 Amazon ECS 7

1.8 Amazon Connect 7

2.1 VMware 8

3.1 Twitter Google Cloud 9

3.2 Cask Data 11

4.1 Build 2018

7.1 19
7.2 20
7.3 20
.....**21**

1.1 OpenStack Summit 2018: InCloud OpenStack 5.5 21

2.1 EasyStack C+ 21

3.1 IT 24
.....**24**

1.1 24
1.2 25

2.1 VMware Ready 25

5.1 360 2018 26
5.2 360 26

6.1 27
6.2 27
6.3 28

8.1 Fortinet Fabric-Ready 28

9.1 CheckPoint 2018 29
.....**30**
.....**33**

				.....	37
1.1	StackPath	Server Density		.....	37
1.2	KnowBe4	exploqii		.....	37
2.1	Namogoo	1500	B	.....	37
2.2	IronNet Cybersecurity	7800	B	.....	37
2.3	CUJO		B	.....	37
2.4	Indeni	1400		.....	38
2.5	Runsafe Security Inc	240		.....	38
2.6	Openpath Security Inc	700		.....	38

AWS Amazon EC2 EC2 Quick Start
Script Canvas Amazon CloudWatch AWS
Sumerian Amazon ECS
Amazon Connect VMware
CIO Twitter
Google Cloud
Cask Data 2018 Build
AI /
OneDrive
133.9 12 AI
AI Link 2.0
ET
CODING
2018 +
FAST
2018 OpenStack InCloud
OpenStack 5.5 EasyStack C+

IT

VMware Ready 360

2018

Fortinet

Fabric-Ready

Chekpoint 2018

ContainerD1.0

CIR plugin Kata

Container1.0

IOS 11.3.1

Keenlab

PoC

Windows

CNNVD

PHP

PGP

S/MIME

SynAck

400

Coinhive

Telegrab

Telegram

cookie

Mac

FBI

2

7

StackPath

Server Density

KnowBe4

exploqii

IronNet Cybersecurity 7800 B

Namogoo Indeni 1500

B 1400

2018 5 30

+

AWS

1.1 Amazon EC2

5 2 Amazon EC2 Amazon EC2

Amazon EC2 (RI) Amazon EC2 Spot

Amazon EC2 API

EC2

EC2 EC2

Spot EC2

EC2

AWS

1.2 Amazon CloudWatch Amazon Kinesis Data Analytics

5 7 Amazon CloudWatch KPU Amazon

Kinesis Data Analytics Kinesis

(KPU) KPU 4 GB 1 vCPU

KPU

KPU

Kinesis Data Analytics SQL

Kinesis Data Analytics SQL

1.3 Lumberyard Beta 1.14 Script Canvas

5 11 AWS Lumberyard Beta 1.14 200

- (Script Canvas) Variable Manager ()
Script Canvas
- (Script Canvas) Script Canvas
Bookmarks ()
- () Wind Volume
Sky Cloud
Force Volume
- Visual Studio 2017

1.4 Amazon Sumerian

5 15 AWS Amazon Sumerian
(AR) (VR) 3D

3D
Amazon Sumerian (IDE)
API Sumerian Host Sumerian
VR
HTC Vive HTC Vive Pro Oculus Rift

Quick Start AWS CloudFormation

- Tableau Server Microsoft Windows Server CentOS
Ubuntu Server Amazon EC2 m4.4xlarge Virtual Private Cloud (VPC)
- Tableau Server Microsoft Windows Server
CentOS Ubuntu Server Amazon EC2 m4.4xlarge VPC
VPC NAT AWS

1.6 Amazon EC2

5 17 Amazon Elastic Compute Cloud (EC2)

Intel® VT-x

Nitro AWS
EC2 AWS re:Invent 2017 AWS
i3.metal EC2 I3

EC2

1 Clear

Linux Containers AWS
Amazon Elastic Block Store (EBS) Elastic Load Balancer (ELB) Amazon Virtual Private Cloud (VPC)

I3 2017 8 VMware AWS 18

VMware Cloud on AWS

VMware

AWS VMware EC2 vSphere
Hypervisor

I3 I3

I/O

NVMe SSD I3.metal 2.3 GHz Intel Xeon
36 72 512 GiB 15.2 TB NVMe SSD
Elastic Network Adapter (ENA) 25 Gbps

1.7 Amazon ECS

5 22 Amazon Elastic Container Service (Amazon ECS)
Amazon ECS ECS
Amazon ECS
ECS awsvpc
awsvpc Amazon ECS
ECS

1.8 Amazon Connect

5 22 AWS Quick Start Segment
AWS Amazon Connect

- eGain Solve - IVR
- Teleopti Workforce Management (WFM) -
- WEBTEXT Contact Center Messaging - Facebook Messenger
- HERE Location Suite -
- VoiceFoundry

(CRM)

(WFO)

(UC)

AWS

VMWare

2.1 VMware

5 9

VMware

CIO

CIO

CIO

VMware

VMware



VMware NSX

VMware NSX

AWS

Azure IBM Cloud

· VMware NSX

4500

NSX

SD-WAN VMware NSX SD-WAN by VeloCloud

SD-WAN

NSX SD-WAN

NSX SD-WAN

NSXData Center NSX Cloud

NSX SD-WAN by

VeloCloud

NSX SD-WAN VMware

60 NSX SD-WAN NSX SD-WAN

2000 NSX SD-WAN

VMware NSX Cloud VMware

NSX Cloud

VPC

VMware NSX Hybrid Connect

VMware NSX Hybrid Connect

NSX Hybrid Connect

VMware

VMwareCloud Provider

VMware 360

VMware vRealize Network Insight

VMware vRealize Suite

GOOGLE

3.1 Twitter

Google Cloud

5 7 Twitter

Google Cloud

Google



Twitter

Hadoop

Twitter

Twitter

Hadoop

Twitter

Hadoop

Twitter

Hadoop

300PB

Twitter

Twitter

Twitter

CTO Parag Agrawal

Twitter

Hadoop

Google

Twitter

Google Cloud

CTO Brian Stevens

Twitter

Google Cloud

Google Cloud

Twitter

3.2 **Cask Data**

5 17

Palo Alto Cask Data AWS Azure
Hadoop
Velostrata
IT

Azure

4.1 **Build 2018 AI**

5 8 5 7 2018 Build
Build

Azure IoT Edge Runtime Azure
Project Kinect for Azure

21

Alexa

Alexa

AI

Build 2018

4.2

5 16 /

4.3 **OneDrive**

5 25 Spiceworks 544

OneDrive

Office 365 1 TB OneDrive OneDrive

5.1 **133.9 12**

5 4 2018 2017 4 2018

3

IaaS 47.6% 5

2009

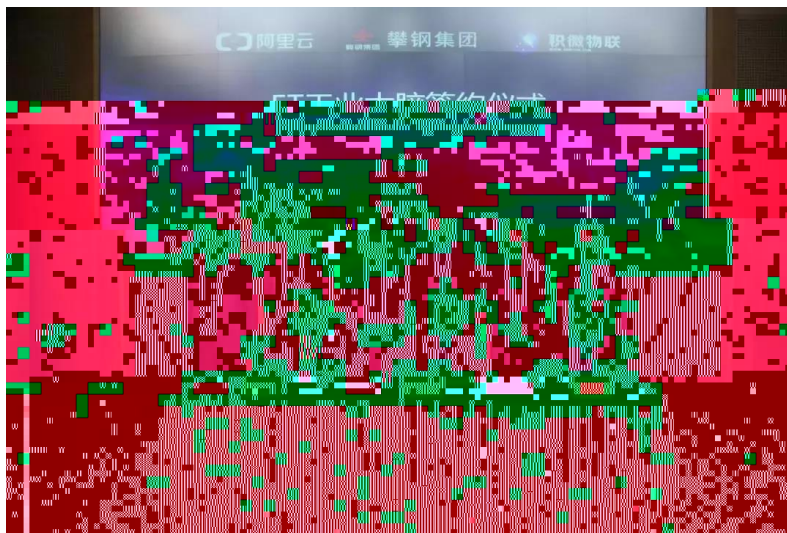
. 18

5.2

ET

5 8

ET



5.3

5 11

AI



1000

5.4 AI

5 23

AI

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+

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10

5.5 Link

2.0

AI

5 23

Link

2.0

AI

Link 2.0

Link 2.0 5

AI Top3
Amazon Echo Google Home

APP

TLS 3 2K 4 iTLS

APP

APP
\$

3

1

AI

5

5.6

5 26

6.1

5 11

80%



HPC

6.2 CODING

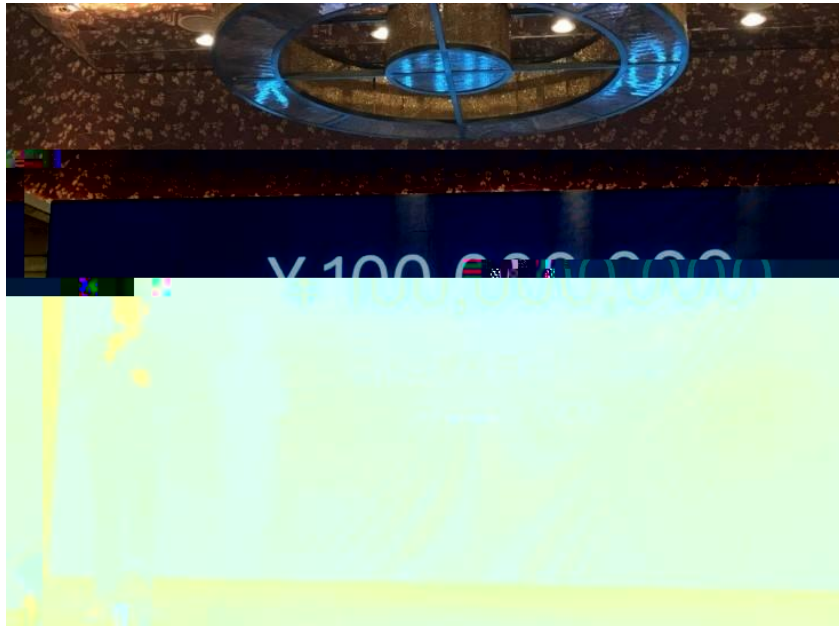
5 17

CODING

B+

CODING

Cloud Studio



CODING

2014

CODING

IDG

B+

CODING

CODING

80

6.3

5 24

2018

+

AI

AI

95%

PSI

/

6.4

FAST

5 24

+

FAST

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FAST



6.5

5 24

+

Mall

coco Park Nike

SKU

40%

AI

AI

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7.1

5 9

CE12800 vxlan

ENP

AC

7.2

5 25

2017

2017

2017 9 8

2017 12 11

1050

0

CDN

7.3

Openstack

1.1 OpenStack Summit 2018: InCloud OpenStack 5.5

5 21 2018 OpenStack InCloud OpenStack 5.5
InCloud
OpenStack Region
1000 1400+
InCloud OpenStack 5.5
InCloud OpenStack 5.5 OpenStack
150KM

Easystack

2.1 EasyStack C+

2018 5 15 EasyStack
3 C+
C+ EasyStack EasyStack
VIE
EasyStack ECS Stack ECS Stack
EasyStack
100 300

2007

2018

EasyStack

CTO

1

IDC

2020

90%

IT



ECS Stack

+

IT

ECS Stack

EMS

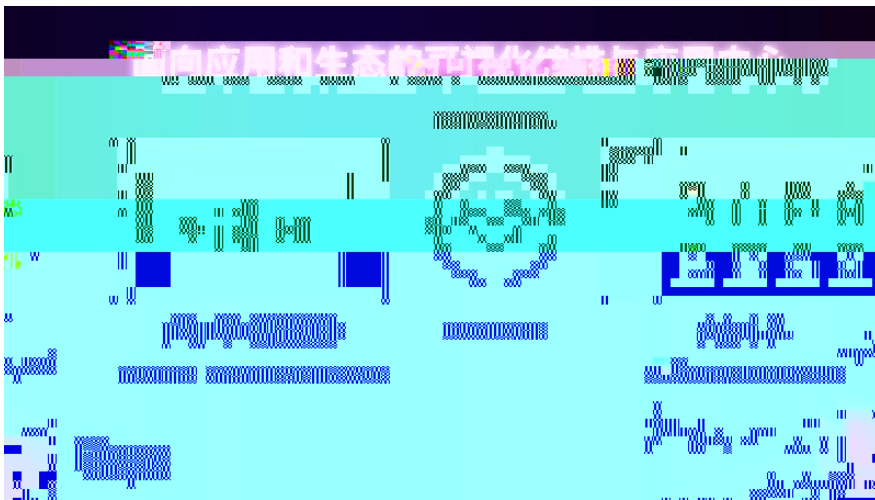
2

APP



ECS Stack

3



ECS Stack

App

ECS Stack

EasyStack ECS Stack ECS

ECS Stack

99CLOUD

3.1 IT

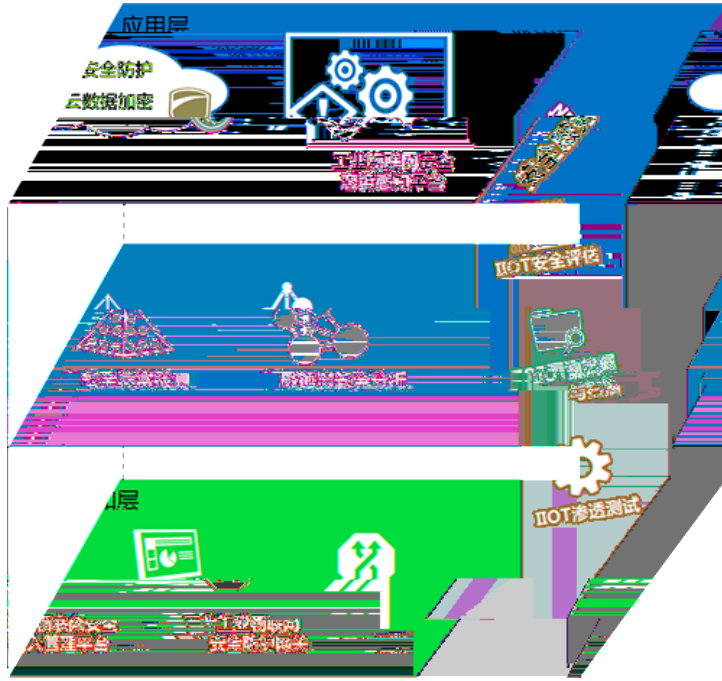
5 17 6 2-3 ITSS DCMG IT

ITSS OpenStack IT

IT

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1.1



1.2

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2017

2017

2017

2.

2.1

VMware Ready

VMware

· V2.5

VMware

VMware NSX

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VMware

VMware

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VMware NSX

3.

4.

5. 360

5.1 360

2018

2015 36

360

360

2018

360

5.2

360

360

360

26

6.

6.1



6.2

5 15

6.3

7.

8. Fortinet

8.1 Fortinet

Fabric-Ready

Fabric-Ready

API

Fortinet
 Security Fabric
 SDN
 ITSM SSO / IaaS Endpoint / CVE
 AWS
 ACI Azure Nuage Networks VSP ServiceNow VMware NSX Fortinet
 Fabric Connector FortiOS 6.0

9. Checkpoint

9.1 CheckPoint 2018

4.52 4%
 11.66 10%
 GAAP 2.13 47%
 GAAP 2.39 53%
 GAAP EPS 1.16 7%
 GAAP EPS 1.3 9%
 4.19 18%

Check Point Infinity Check Point Infinity 2018 Network
 Computing Awards Check Point Infinity
 Check Point
 Infinity Total Protection CheckPoint Infinity Total Protection

CloudGuard
 CloudGuard (SaaS) IaaS
 CloudGuard SaaS
 ID-Guard Microsoft Office365 Google G-Suite Salesforce ServiceNow

Slack Box Dropbox Egnyte CloudGuard IaaS vSEC
CloudGuard CloudGuard IaaS
/ Amazon

WebServices Google Cloud Platform MicrosoftAzure Cisco ACI OpenStack VMware NSX

AWS VMware VMware ESX KVM Hyper-V
Gen V Smart-1

Smart-1 8

100,000

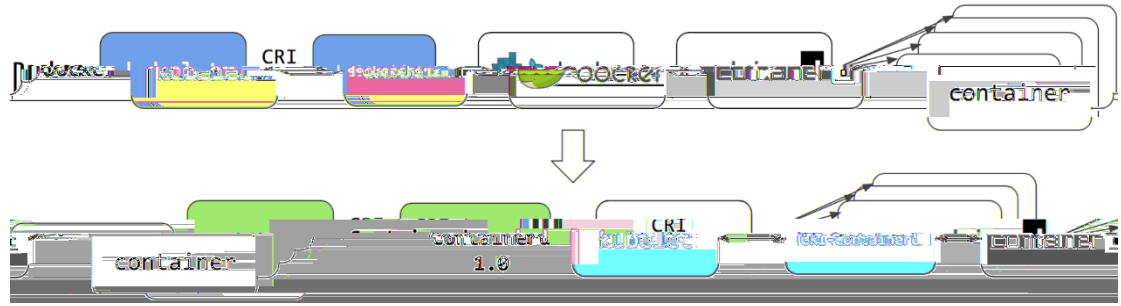
IsraelPrize Check Point Gil Shwed

70

1. CRI plugin Containerd 1.1

containerd 1.1 CRI plugin containerd
Containerd 1.1 Kubernetes 1.10 Kubernetes
Google Kubernetes containerd integration Docker integration
Kubernetes containerd

- conatinerd1.0



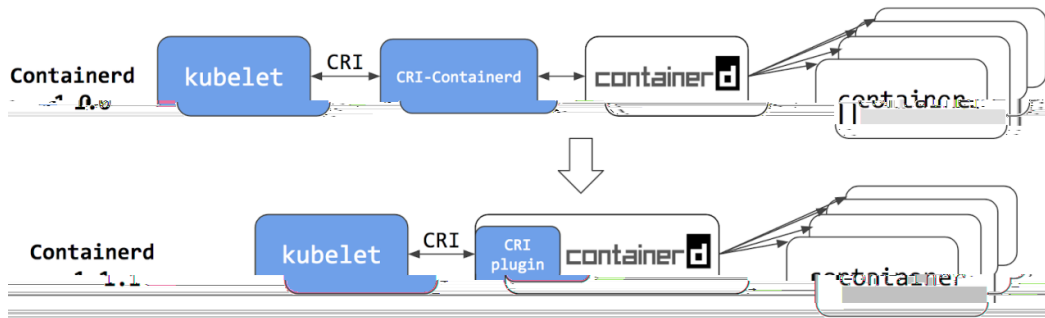
containerd 1.0 Kubelet containerd cri-containerd

Cri-containerd Kubelet CRI

containerd Docker CRI dockershim

cri-containerd containerd 1.0 grpc

● **Containerd 1.1 CRI Plugin**

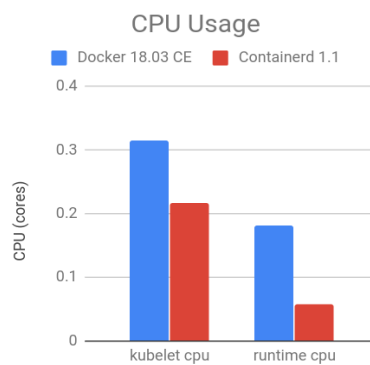
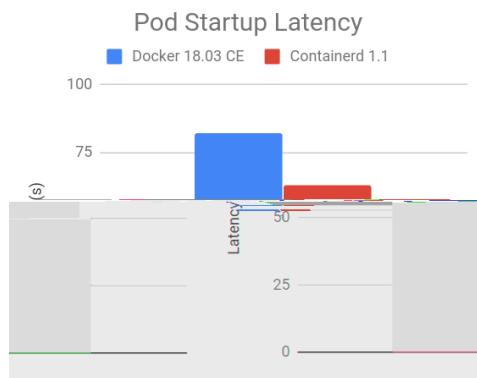


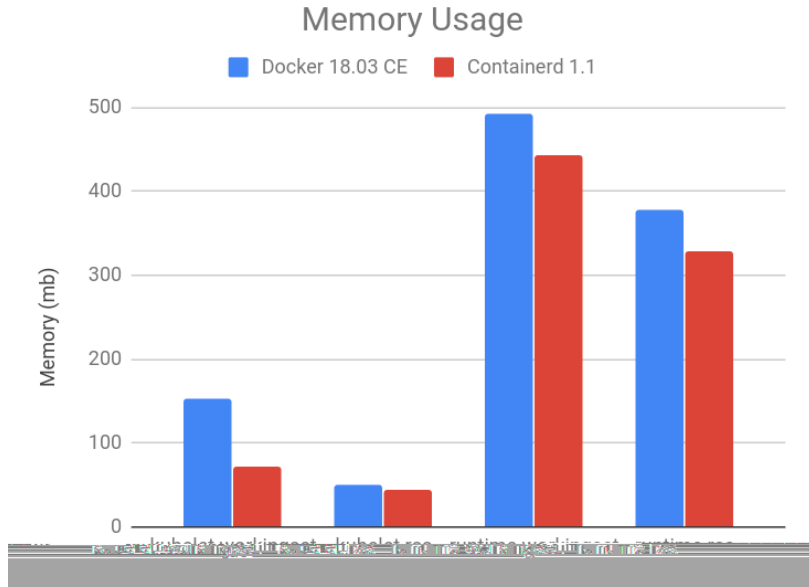
containerd 1.1 cri-containerd containerd CRI plugin CRI plugin

containerd 1.1 cri-containerd CRI plugin

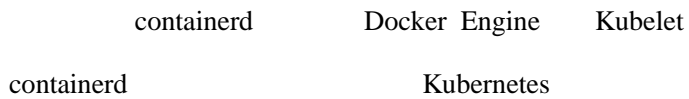
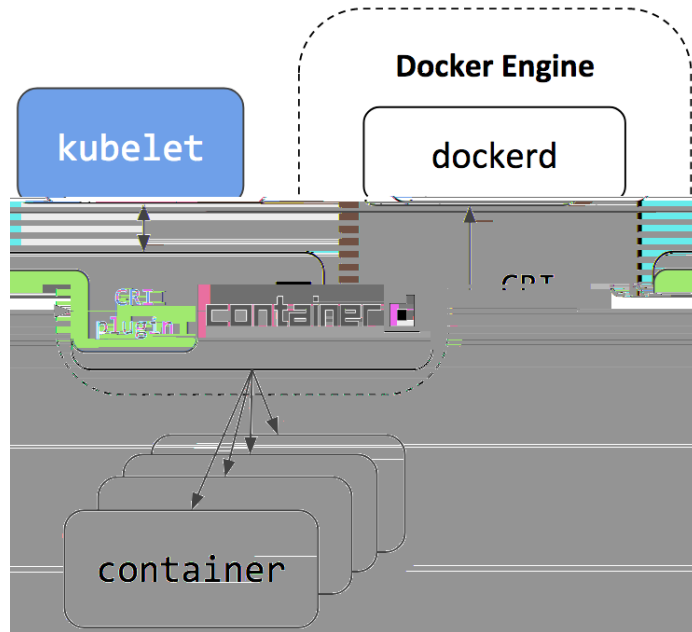
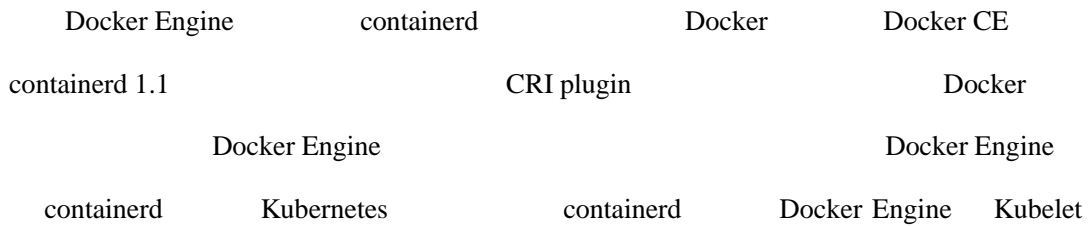
containerd grpc hop

Kubernetes containerd 1.1 Cri-containerd





● **dockerd**



Docker Engine

Containerd namespace

Kubelet Docker Engine

docker ps

Kubernetes

crictl ps

crictl ps

Docker CLI

crictl create

crictl

runp

nodes

crictl on

pod

docker images

Kubernetes

crictl images

Kubernetes

docker pull

docker load

docker build

crictl pull

ctr cri load

2. Kata Containers 1.0

Kata Containers

intel

Clear Containers

Hyper.sh

runV

,

Kata Containers

container/pod

kernel

container/pod

Kata Containers

CaaS

1. iPhone X IOS 11.3.1

Keenlab

KeenLab

iOS

11.3.1

iPhone X

IOS 11.3.1

InfiltrateCon 2018

Keenlab

iOS 11.3.1

iPhone X

cydia

11.3.1

KeenLab

2. Windows

PoC

Bitdefender

Marius Tivadar

GitHub

PoC

Windows

PoC

NTFS

NTFS

USB

USB

Windows

(BSOD) Tivadar

Windows Defender

USB

USB

3. CNNVD

PHP

CNNVD

PHP

CNNVD-201805-054 CVE-2018-10547

PHP 5.6.36

7.0.27

7.0.x

7.1.13

7.1.x

7.2.1

7.2.x

PHP

4. Synack

SynAck

SynAck

Process

Doppelg änging

Black Hat

2017

Windows

SynAck

SynAck

5. 400 Coinhive

Bad Packets Report Troy Mursch Drupal
400

Mursch NLRB
D-Link UCLA
Mursch
JavaScript vuuwd.com Coinhive
Mursch 5

6. PGP S/MIME

9 OpenPGP S/MIME
EFAIL
Electronic Frontier Foundation EFF
Pretty Good Privacy S/MIME
EFAIL
MitM
OpenPGP S/MIME
EFAIL HTML URL

HTML

7. Telegrab Telegram cookie

Talos	Telegrab	telegram
Telegrab	Telegrab	2018 4 4
telegram	Telegrab	2018 4
10	Telegrab	
cookie	Telegram	Steam telegram

8. FBI

50

2.4 Indeni 1400

5 22 Indeni RTP Ventures 2 1400 Indeni

2.5 Runsafe Security Inc 240

5 22 Runsafe Security Inc Alsop Louie Partners Center for Innovative Technology
240 Runsafe Security

2.6 Openpath Security Inc 700

5 22 Openpath Security Inc Openpath Security Inc 4 700
Openpath Security