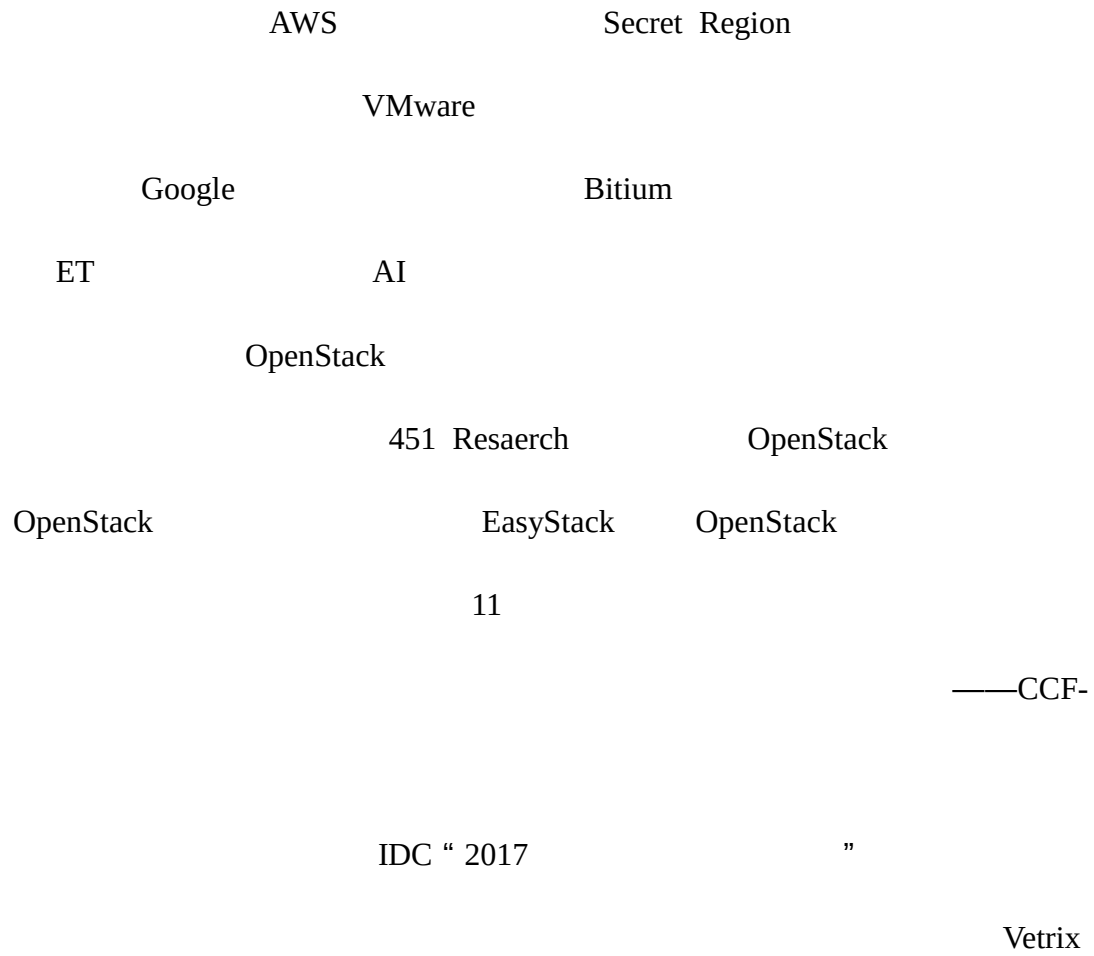




2017

“ ”

WEB

360

MSP

Fortinet

AWS

Fortinet

NEC

VM

LightVM

CNCf

Kubernetes

IBM



|           |                       |                    |                  |
|-----------|-----------------------|--------------------|------------------|
|           |                       | .....              | <i>i</i>         |
| +         |                       | .....              | <i>1</i>         |
|           |                       | .....              | <i>1</i>         |
| <b>1.</b> | <b>AWS</b>            |                    |                  |
| 1.1       | AWS                   |                    |                  |
| 1.2       | AWS “ Secret Region ” |                    |                  |
| 1.3       | AWS                   |                    |                  |
| <b>2.</b> | <b>VMware</b>         |                    |                  |
| 2.1       | VMware                | VeloCloud Networks |                  |
| 2.2       | VMware                |                    |                  |
| <b>3.</b> | <b>GOOGLE</b>         |                    |                  |
| 3.1       | Google                | 2018               |                  |
| 3.2       |                       | GPU                | 36%              |
| 3.3       |                       | Bitium             |                  |
| 3.4       | Salesforce            | Google             |                  |
| <b>4.</b> | <b>Azure</b>          |                    |                  |
| 4.1       | Dynatrace             | Azure              |                  |
| 4.2       | VMware                | Azure              |                  |
| 4.3       | Azure IoT Edge        |                    | AI               |
| 4.4       |                       | Apache Spark       | Azure Databricks |
| 4.5       | Azure                 |                    |                  |
| 4.6       |                       | 6                  | Azure            |
| 4.7       |                       | Azure Stack        |                  |
| <b>5.</b> |                       |                    |                  |
| 5.1       |                       | Kubernetes         |                  |
| 5.2       | CDN                   | 25%                |                  |
| 5.3       |                       |                    |                  |
| 5.4       | Link                  |                    | 50%              |
| 5.5       |                       |                    |                  |
| 5.6       | ET                    | AI                 |                  |
| 5.7       | FIFA                  | 6                  |                  |
| 5.8       |                       | “ ”                |                  |
| 5.9       |                       | “ ” “ ”            |                  |
| <b>6.</b> |                       |                    |                  |
| 6.1       |                       |                    |                  |
| 6.2       | SUPERMIND             |                    |                  |
| 6.3       |                       |                    |                  |

|     |                     |         |
|-----|---------------------|---------|
| 6.4 | CNCF K8S            |         |
| 6.5 |                     |         |
| 6.6 |                     |         |
| 6.7 |                     | +       |
| 7.  |                     |         |
| 7.1 | OpenStack           |         |
| 7.2 | “ ” 10              |         |
|     |                     | .....14 |
| 1.  | <b>Openstack</b>    |         |
| 1.1 | OPENSTACK           |         |
| 1.2 | OpenStack           |         |
| 1.3 | OPENSTACK           |         |
| 2.  | <b>Easystack</b>    |         |
| 2.1 | EasyStack OpenStack |         |
|     |                     | .....16 |
| 1.  |                     |         |
| 1.1 |                     |         |

8.2

Fortinet

**9. Checkpoint**

.....24

**1. NEC VM LightVM****2. CNCF Kubernetes****3. IT IBM****4. Kubernetes****5. Mesosphere DC/OS Azure****6. IDC PaaS SaaS IaaS**



---

|           |        |     |
|-----------|--------|-----|
| Region    |        |     |
| Sensitive | Secret | Top |
| Secret    |        |     |

Gluon

Python

**VeloCloud Networks**

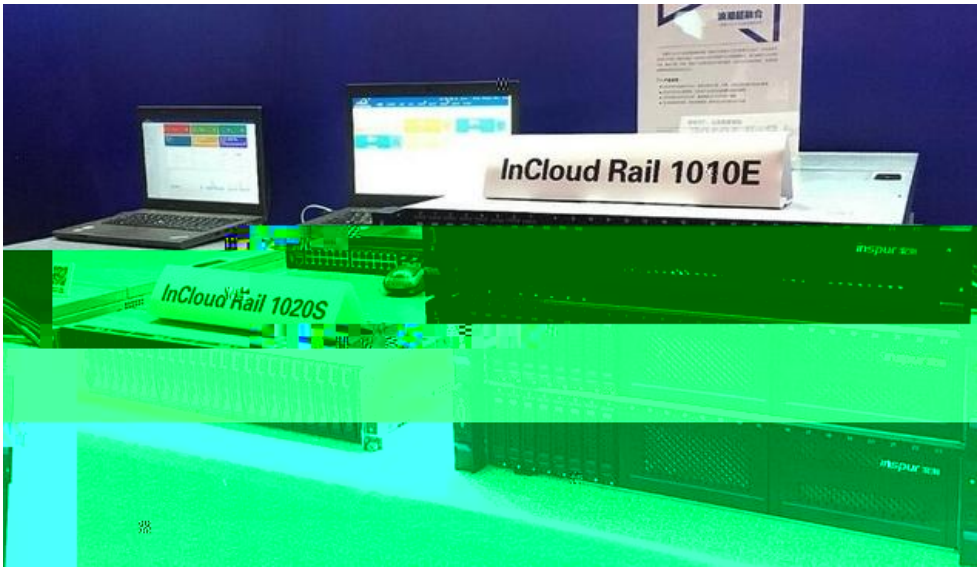
|                          |           |
|--------------------------|-----------|
| VeloCloud Networks, Inc. | VeloCloud |
| SD-WAN                   |           |



InCloud Rail 1020    2            4

InCloud Rail

|      |     |           |                  |
|------|-----|-----------|------------------|
|      | TCO |           | InCloud          |
| Rail | 60% | 30000IOPS | 50000IOPS    I/O |
| 5    |     | IOPS      |                  |



3. GOOGLE

3.1 Google                    2018

6

3.2                    GPU                    36%

Nvidia Tesla GPU            36

K80 GPU                    0.45

P100                    1.46

### 3.3 Bitium

Bitium Bitium  
Google  
Cloud G Suite  
Bitium 2012  
Google Apps Office 365 CRM

### 3.4 Salesforce Google

Salesforce  
G Suite  
Salesforce AWS  
Salesforce Google Google G Suite Salesforce  
Salesforce

## 4. Azure

### 4.1 Dynatrace Azure

Dynatrace Microsoft Azure Azure  
Web  
Azure Dynatrace  
Dynatrace Azure  
Dynatrace  
Dynatrace Azure Azure  
.NET Core

### 4.2 VMware Azure

Azure Migrate Azure Migrate  
VMware

VMware

### 4.3      **Azure IoT Edge**      **AI**

Azure IoTEdge

Azure IoT Edge      IoT      IoT

### 4.4      **Apache Spark**      **Azure Databricks**

11      15      Scott Guthrie



Azure Databricks      Apache Spark      Azure Databricks

Apache Spark

Azure SQL      Azure      Azure Cosmos DB      Azure Active

Directory      Power BI

### 4.5      **Azure**

Ignite      Azure

100 TB

NAS (SMB CIFS)

256 AES

Kubernetes Prometheus containerd

Kubernetes

CNCF

CNCF

Kubernetes

Cisco Docker

IBM

5.6 ET AI

11 15

ET



ET

128

15.3%

4.6

500

92%

120

ET

5.7 FIFA

6

FIFA

“

”

FIFA

2022

5.8

“

”

“ +”



IT

IT IT

5.9 “ ” “ ”

“ ”

“ ”

“ ”

6.

6.1

IaaS

“ ”

6.2

**SUPERMIND**

Supermind

Supermind

Supermind



( )

#### 6.4

#### CNCF K8S

CNCF(Cloud Native Computing Foundation)

Certified Kubernetes

Conformance Program

32 Kubernetes

CCS(Cloud Container Service)

#### 6.5

2017

“ ”

“ ”

SaaS

“ ”

#### 6.6

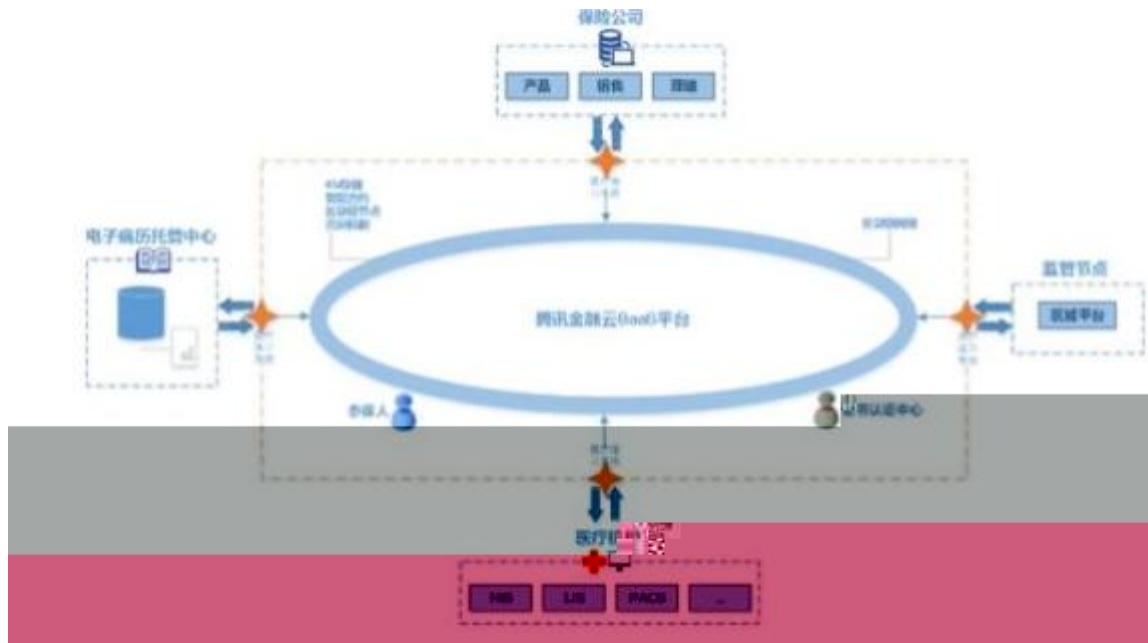
2017

BaaS

Blockchain as a Service

“ ”





7.

7.1

## OpenStack

2017 OpenStack

OpenStack

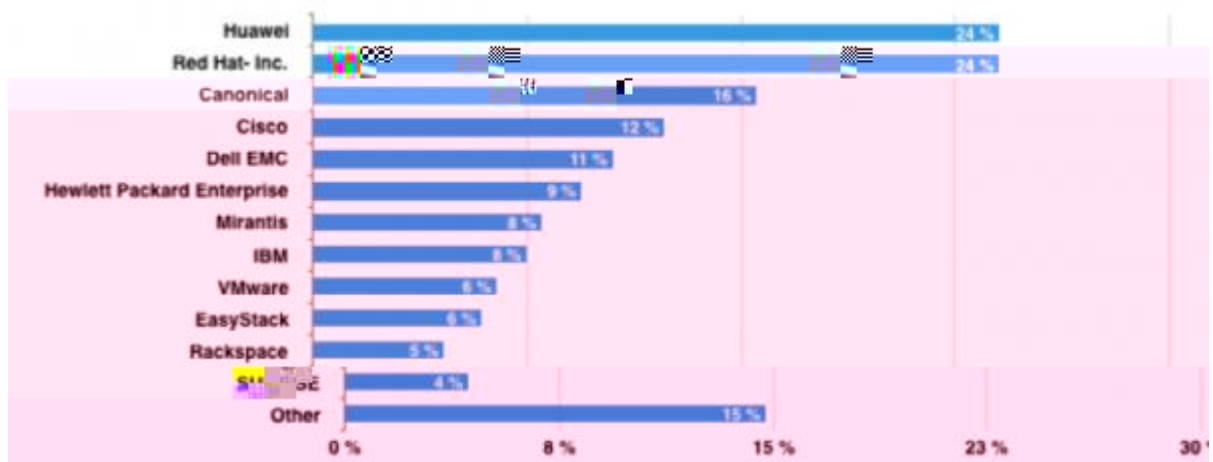
OpenStack

OpenStack

OpenStack

FusionSphere

## Which vendor's products power your OpenStack cloud?



|     |        |           |           |           |           |                            |          |
|-----|--------|-----------|-----------|-----------|-----------|----------------------------|----------|
|     |        |           |           | OpenStack | EasyStack |                            |          |
|     |        | Red Hat   | Canonical | Cisco     | Dell      | Hewlett Packard Enterprise | Mirantis |
| IBM | VMware | EasyStack | Rackspace | SUSE      |           |                            |          |
| 7.2 | “      | ”         | 10        |           |           |                            |          |
|     |        | “         | ”         | 10        |           |                            | AR/VR    |

## 1. Openstack

### 1.1 OPENSTACK

|           |           |           |      |
|-----------|-----------|-----------|------|
|           | OpenStack |           | 1052 |
| OpenStack | 2016      | 95%       | 2017 |
| OpenStack |           |           | 1000 |
| OpenStack |           | OpenStack |      |

|           |                |   |              |     |
|-----------|----------------|---|--------------|-----|
| OpenStack | OpenStack      | 3 | 2016         | 50% |
|           | China UnionPay |   | China Mobile |     |



|                |   |        |    |           |        |         |      |           |
|----------------|---|--------|----|-----------|--------|---------|------|-----------|
|                | + | 2017   | 11 |           |        |         |      |           |
| 2017 OpenStack |   |        |    | OpenStack |        |         |      | 8         |
| OpenStack      |   |        | 8  |           |        |         |      | Canonical |
| EasyStack      |   | HuaWei |    | Mirantis  | Oracle | Red Hat | SUSE | VMware    |

1.

1.1

“ 2017 ”

2005 M2S  
SaaS 1000+

2000 100+ “ ”

1.2

400

500



Vetrix

SDS

VTAP

2.

3.

3.1

2017

2017

“

”

WannaCry

100

URL

‘ ’

Ů



MSP

WFBSS

IT

3.3

**2017**

2017

“ + ”



4.3

**Web****SB**

Web

SB

NSFOCUS WAF

●

Web

4 – 7

NSFOCUS WAF

●

DDoS

1 Gbps

TCP flood

HTTP/S GET/POST flood

NSFOCUS WAF

NSFOCUS

DDoS

DDoS

●

PCI DSS

PCI

PCI-DSS 3.2

SB

SoftBank Group Corp

Alibaba Group

**5. 360**

5.1

**360**

360

"

"

**6.**

6.1

“

”

## 6.2

WAF

Db

IP 300G DDOS

CC +

+7\*24 Ailpha

## 7.

### 7.1

“ ” “

”

### 7.2

2015

➤

➤

➤

➤

## 8. Fortinet

### 8.1 Fortinet

### Amazon Web

Fortinet

Amazon Web Services(AWS)

Fortinet

AWS

(APN)

AWS

Fortinet AWS

AWS

Fortinet

“

”

AWS

Fortinet

AWS

### 8.2

### Fortinet

Fortinet

11

Fortinet

## 1. NEC

## VM

## LightVM

|             |           |                  |         |     |       |
|-------------|-----------|------------------|---------|-----|-------|
|             |           | Xen              |         |     |       |
|             | unikernel | Linux            |         |     |       |
| LightVM     |           | unikernel        | 4ms     |     | Linux |
|             | fork/exec | 1ms              | Docker  |     | 150ms |
| MEC         |           | ClickOSunikernel | 8000    | 64  | AMD   |
|             | 10ms      |                  | LightVM |     | cell  |
|             |           |                  | JITSU   | CDN | TLS   |
|             |           | AWS Lambda       |         |     |       |
| Micropython | unikernel | Python           |         |     |       |
| 1.3ms       |           |                  |         |     |       |
|             | 800       |                  |         |     |       |



Kubernetes

IBM

Kubernetes

Docker

Kubernetes

PaaS

IBM Cloud Private

Elasticsearch

Kibana

Grafana

**4.**



Worldwide Public Cloud Services Revenue, Market Share, and Year-over-Year Growth, 1H17 (revenues in US\$ millions)

| Segment | 1H17 Revenue | 1H17 Market Share | 1H16 Revenue | 1H16 Market Share | Year-over-Year Growth |
|---------|--------------|-------------------|--------------|-------------------|-----------------------|
| IaaS    | \$11,236     | 17.8%             | \$8,138      | 16.6%             | 38.1%                 |
| PaaS    | \$8,567      | 13.6%             | \$5,702      | 11.6%             | 50.2%                 |
| SaaS    | \$43,400     | 68.7%             | \$35,310     | 71.8%             | 22.9%                 |
| Total   | \$63,260     | 100%              | \$49,179     | 100%              | 28.6%                 |

Source: IDC Worldwide Semiannual Public Cloud Services Tracker, 1H17

PaaS Docker Cloud

Foundry 67%

540 25%

## 1. Windows 10

11 Windows10

Win10

6

TPM RAM

## 2. Tick

“ Tick ”

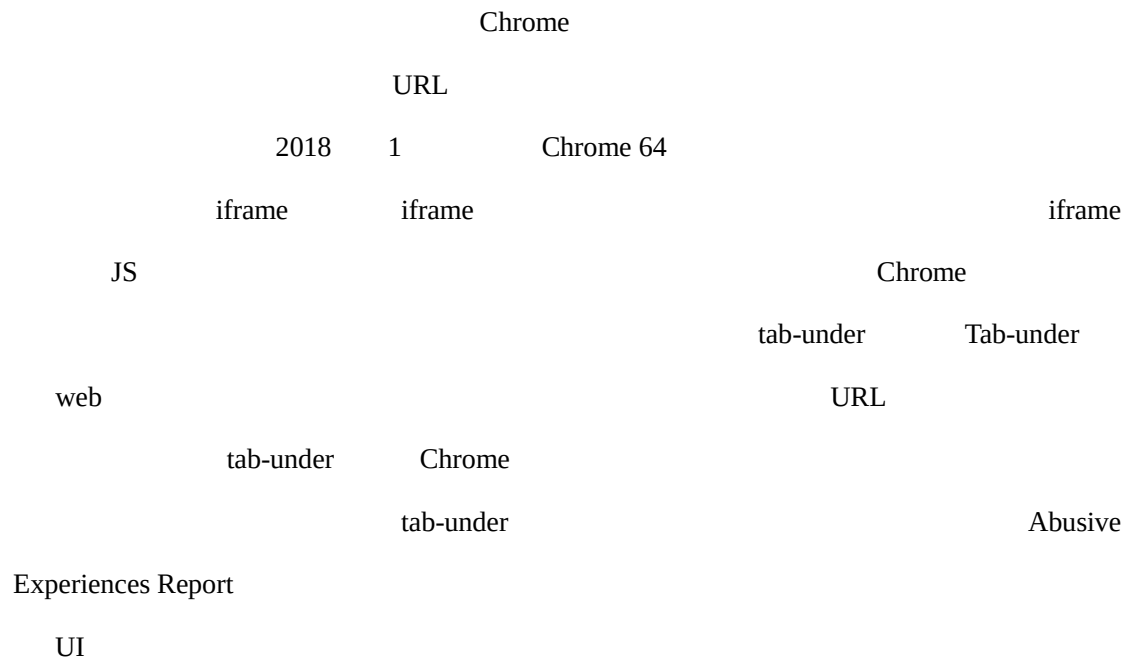
Tick Bronze Butler REDBALDKNIGHT

Gofarer Daserf

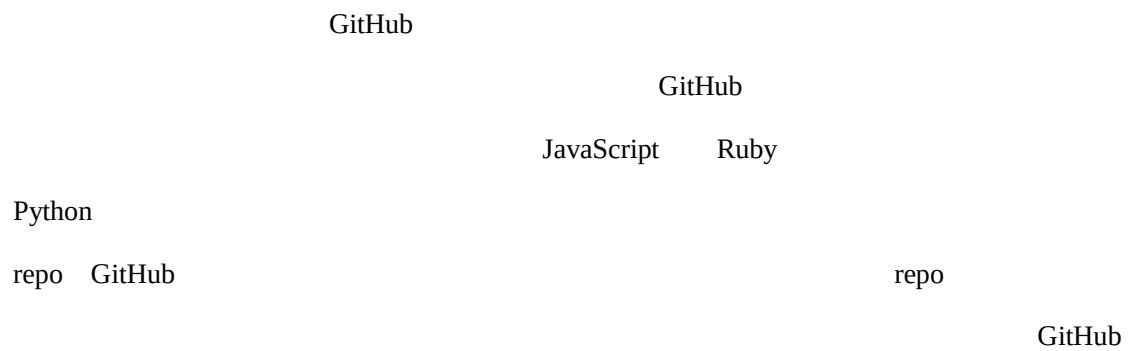
shell Daserf

Daserf

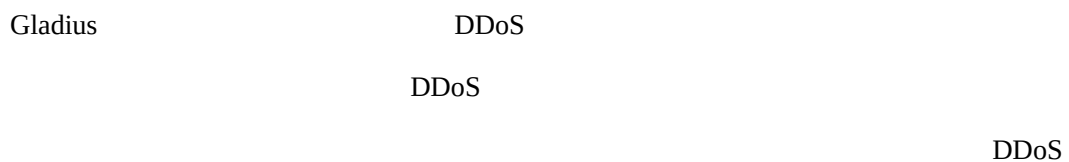
### 3. Chrome



### 4. GitHub



### 5. Gladius





## 2.

### 2.1 NeuVector 700 A

11 7 NeuVector HWVP Hummer Winblad Venture Partners NewGen Capital  
 700 A NeuVector 7  
 NeuVector

### 2.2 Treasury Intelligence Solutions 1200 C

11 9 Treasury Intelligence Solutions