




inspur



Tencent

 Tencent Cloud

OCP
CHINA DAY

June 25th
2019
Beijing

Open Together

Updates and Further Technology Focus

蔡克文 | 专家工程师
2019年6月25日

腾讯云全球基础设施



25 全球地理区域

53 全球可用区

1300+ CDN节点

100TB+ 出口带宽

1,000,000+ 服务器规模

OCP
CHINA DAY

June 25th
2019
Beijing

Tencent

 Tencent Cloud

Contribution Updates

OPC-4 - Optical Platform Chassis

1

License
Agreement

2

Group
Presentation

3

Submission

4

Incubation
Presentation

5

Incubation
Review

6

Approval

Front View



Rear View



DCI

19" Rack

Compact

Modular

Efficiency

Flexibility

OA



WSS



OP



ILA



TMDC - Tencent Micro-Modular Data Center

1

License
Agreement

2

Group
Presentation

3

Submission

4

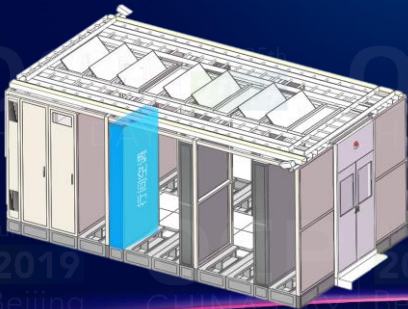
Incubation
Presentation

5

Incubation
Review

6

Approval



- ▶ **Micro** - R12/R18 as deployment granularity
- ▶ **Modular** - Adopt common commercial module/parts, standardized and flexible configuration, support Online expansion
- ▶ **Maturity** - Direct City Power to Server, HVDC backup, Power efficiently over 97%
- ▶ **Efficiency** - **In-row cooling**, shorten air-flow distance, improved cooling efficiency
- ▶ **Delivery** - Fits most of factory building condition, **easy assemble**, dissemble, renovate and move
- ▶ **Manageability** - Fully **operate independently**, support hot-pluggable replacement

T-Flex 2.0 – 19" Modular Rack Mount Server

1 License Agreement

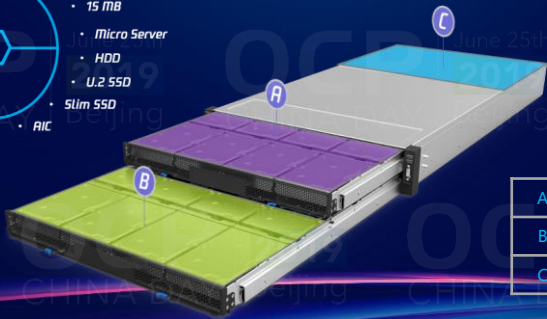
2 Group Presentation

3 Submission 2019.Q3

4 Incubation Presentation

5 Incubation Review

6 Approval



A	~558mm
B	~558mm
C	~265mm

Rhea – 25G/100G/400G Open Switch

1

License
Agreement

2

Group
Presentation

3

Submission

2019.Q4

4

Incubation
Presentation

5

Incubation
Review

6

Approval

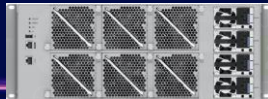
Theia

48*25G+8*100G
3+1 Fans / 1+1 PSUs
BCM56873 (TD3)



Uranus

32*100G or 8*400G
5+1 Fans / 2+2 PSUs
BCM56980 (TH3)



TNI – TMDC Northbound Interface

TMDC



A protocol used for monitoring and controlling facilities in TMDC

Tencent Nebula Platform

- 1 TMDC as granularity
- 2 SNMP Protocol Based
- 3 Component Classified
- 4 Datapoint Definition
- 5 GUOID assigned

1

License Agreement

2

Group Presentation

3

Submission

2019.Q4

4

Incubation Presentation

5

Incubation Review

6

Approval

OCP
CHINA DAY

June 25th
2019
Beijing

Tencent

Tencent Cloud

Next

What is Next with 5G?



谢谢