Updates and Further Technology Focus

Open Together

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腾讯云全球基础设施

全球地理区域：25
嫌疑人可用区：53
CDN节点：1300+
出口带宽：100TB+
服务器规模：1,000,000+
OPC-4 - Optical Platform Chassis

Front View

Rear View

Features:
- DCI
- 19" Rack
- Compact
- Modular
- Efficiency
- Flexibility

Components:
- OA
- WSS
- OP
- ILA
TMDC - Tencent Micro-Modular Data Center

- **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, disassemble, renovate and move
- **Manageability** - Fully operate independently, support hot-pluggable replacement
T-Flex 2.0 – 19” Modular Rack Mount Server

- 25 MB
- 15 MB
- Micro Server
- HDD
- U.2 SSD
- Slim SSD

Dimensions:
- A ~ 558mm
- B ~ 558mm
- C ~ 265mm

2019.Q3
Rhea – 25G/100G/400G Open Switch

**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

A protocol used for monitoring and controlling facilities in TMDC

1. License Agreement
2. Group Presentation
3. Submission
4. Incubation Presentation
5. Incubation Review
6. Approval

Tencent Nebula Platform

1. TMDC as granularity
2. SNMP Protocol Based
3. Component Classified
4. Datapoint Definition
5. GUOID assigned
DCOS – Data Center Operation System

CMDB 2019 Q3
- Cfg Mgmt (CMDB)
  - IDC/Server/Net Device
  - Export/Lines
  - IP Resource
  - Server Ports
  - TOR Ports
- OOB & Deployment
  - Power Operation
  - PXE Install
  - Quick Reinstall
  - DB Passwd Management
- Server Control
  - Command Execution
  - File Transfer
  - Reset OS Passwd
  - Work Platform
- Server Monitor
  - OS Performance
  - OS Status
  - Process/Port
- Network Monitor
  - SNMP
  - Syslog
  - Xflow
- OneAlert 2020 Q3
  - Alarm Mgmt
  - Alarm Strategy
  - Alarm Deduplication
  - Alarm Judgement
  - Alarm Masking
  - Alarm Notification
  - Alarm Recovery

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What is Next with 5G?

Core DC  --->  S  -->  Edge Site

Connectivity  Computation  Content
谢谢