HUAWEI

Highlights of Carrier IT Tech Forum 2018

June 21-22

Hilton Hotel, Amsterdam, the Netherlands

Briefing

In the coming 5G era, the explosive growth of data services will fundamentally change carriers' networks and services. IT technologies will play a pivotal role during the development to 5G. Carrier IT Tech Forum is an expert sharing and communication platform, on which Huawei IT chief architects, carriers and analysts will discuss the application of new IT technologies facing 5G era, such as edge computing, hybrid cloud, AI-based intelligent computing, high-performance storage, to improve carriers’ competitiveness in the 5G era.

Highlights

1 Major Topic

5G drives Data Center Transformation.

Global Carrier IT technology experts exchange ideas and share experience.

2 Days Technology Journey

3 Key Directions

Carrier Data Center architecture evolves from “Center" to “Center + Edge”.

Carrier storage architecture evolution.

Carrier computing architecture evolution.

4 Top Experts

Dennis Gu

Chief Architect of Huawei Cloud Solution

Michael Issa

Chief Architect of Huawei Storage

Peter Liu

Chief Architect of Huawei Computing

Bruno Teyton

Research Director,

EMEA Telecommunications and Networking, IDC

5 Phase Keynotes

Technical speeches from carriers, 3rd-party analysts and Huawei.

6 New Technology Demonstration

- Panorama of DC architecture
- Cloud automation management
- Big data applications
- Heterogeneous computing
- High-performance storage
- Chip technologies

7 In-depth Technical Workshops

Customers and Huawei discuss data center development driven by 5G.

Keynote

Reshape Data Center in 5G Era

Phase 1: Looking Ahead: 5G is Coming, Chances or Challenges?

01 Characteristics of new digital services against the backdrop of 5G acceleration.

02 Reconstruction and changes of the network and data center architecture to adapt to new service requirements (Network: Separation of the data plane and user plane; Open Network capability; DC: Distributed, edge computing, and intelligent computing)

Bruno Teyton

Research Director,

EMEA Telecommunications and Networking, IDC

Phase 2： IT Chief Architect Perspective: Build IT Infra for 2025

01 X Carrier IT strategy and data center architecture.

02 Multi-cloud basic platform: Managed Hybrid Cloud.

03 Fully open IT infrastructure construction: OCP+OpenSDS.

Phase 3： Technologies Innovation:

Huawei FusionCloud Architecture Boosting 5G New Business

01 5G services drive the DC architecture from "centralization" to "center + edge" and require full-stack cloud data center.

02 Huawei FusionCloud Architecture with the new features as Openness, Efficient, Flexibility, Intelligence, Distributed, which provide new experience to customer.

Dennis Gu

Chief Architect of Huawei Cloud Solution

Phase 4： Digital Transformation Practice Sharing: How IT Goes Ahead?

01 Huawei digital transformation and internal IT cloud strategy sharing.

02 Huawei global practices of data centers.

Phase 5： New Release: One Cloud Solution---FusionCloud6.3

Maximum private cloud IaaS cloud services.

Unique full-stack private cloud solution.

Unified architecture of public cloud and private cloud.

Technology Seminars

1 Modernizing Your Data Center by Cloud

Dennis Gu
Chief Architect of Huawei Cloud Solution

Talk and Think

Embracing Hybrid Cloud

- Appropriate business scenario for hybrid cloud.
- Ensure unified user experience in hybrid cloud.
- Security compliance and Data Security.
- Best Practice on hybrid cloud.

Values

- Understanding the best practices to implement hybrid cloud.

Talk and Think

Increasing Agility with Platform as a Service

- Business scenarios which benefit from container.
- Agile orchestration between container and virtual machine.
- TTM acceleration by CI/CD.

Values

- Clear insight of appropriate scenarios for Docker and how CI/CD is enabled in Huawei Internal IT.

Michael Lian
Director of Cloud Marketing Management

Talk and Think

Unified Management of De-Centralized DC Architecture

- Cascading architecture for de-centralized cloud DC .
- Unified management of legacy clouds under one umbrella.
- O&M org optimization and process adaption.

Values

- Deep dive of approach of unified management and suggestion on process adoption.

2 Build an AFA+SDS Binary Storage Architecture to Meet Data Explosion Challenges

Michael Issa
Chief Architect of Huawei Storage

Talk and Think

High-performance Storage Layer Construction Guide

- How to choose the adaptive AFA, use AFA properly, increase ROI, preserve value or even increase value?
- Future developments and scenarios for high-performance storage.

Values

- How to make full use of AFA's high performance for storage consolidation.
- Some misunderstandings about AFA.

Talk and Think

Enabling data lake, reshape data value

- Data lake is the data infrastructure for the full connectivity era.
- How to use SDS to build data lake.
- In-depth interpretation of successful data lake reference.

Values

- Objective understanding of SDS.
- How to reasonably plan the deployment, operation, maintenance, and use of SDS.
- Data lake key technology point and implementation.

3 Innovative Computing Empowers Carriers with Greater Agility and Efficiency

Peter Liu
Chief Architect of Huawei Server

Talk and Think

Reinvent Mission–Critical Computing

- Driving force behind mission-critical service platform transformation.
- How to select the best-suited computing platform for mission-critical applications (more stable, efficient, with lower TCO)?
- How to ensure smooth migration of mission-critical systems?

Values

- Clear insight of approach of open architecture, low TCO and smooth migration without affecting application.

Talk and Think

Hyper–Convergence Accelerates the Journey to the New Business Style

- How will HCI cope with the challenges to traditional IT architecture (rapid deployment, simplified management, pay-as-you-grow, elastic expansion)?

Values

- Deep dive of approach of Simplified infrastructure management via single UI.

Talk and Think

Realize the Potential of AI Business

- How to build a heterogeneous computing platform that adapts to various AI scenarios?
- How to more efficiently meet the demands of edge computing services, such as AR and autonomous driving?

Values

- Understanding improving utilization of expensive Components(such as GPU, FPGA).

Technical Workshops

Category	Topic
Carrier DC Overview	One Cloud enable Cloud Transformation for Telcos
Storage	All Flash Storage Ensures Fast and Stable Running of Carriers' Mission Critical Services
Computing	HCI, Accelerating Carrier's IT Infrastructure Transformation
Cloud	Carrier Private Cloud Solution

New Technology Demonstration

A Panorama of DC architecture

B Cloud automation management

C Big data applications

D Heterogeneous computing

E High-performance storage

F Chip technologies

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