

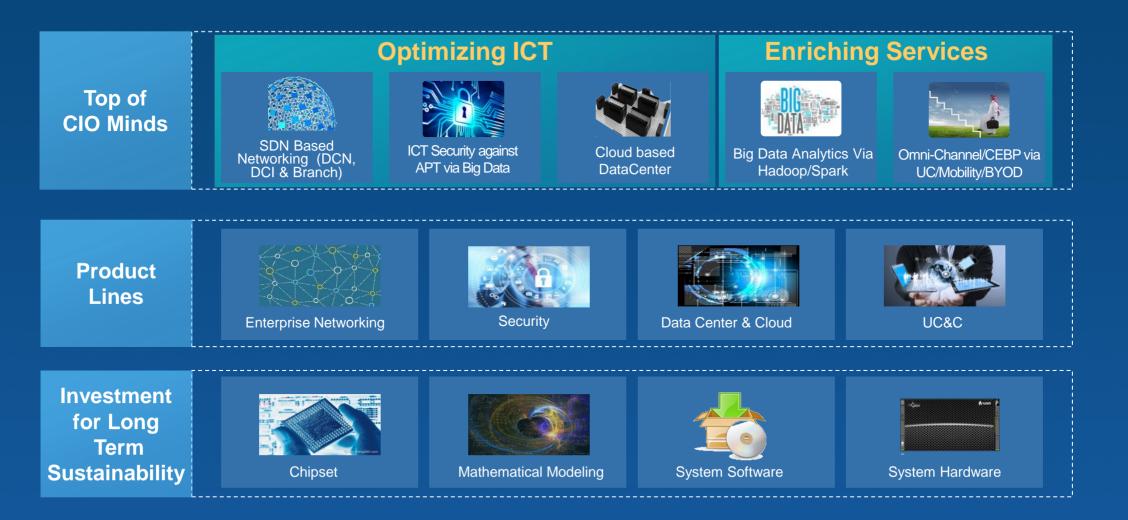
Inovações em Data Center

- Huawei Strategy towards Banking Data Centers

Weifan Liang FSI Solution Director, Enterprise Business Group

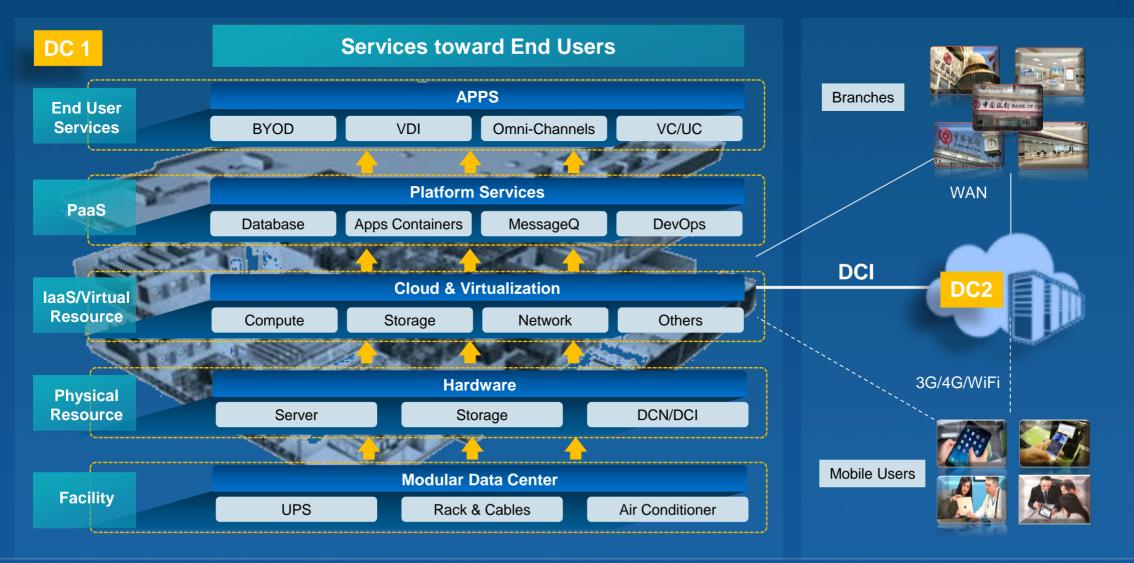
LEADING NEW ICT

Technology Strategy towards Banking ICT





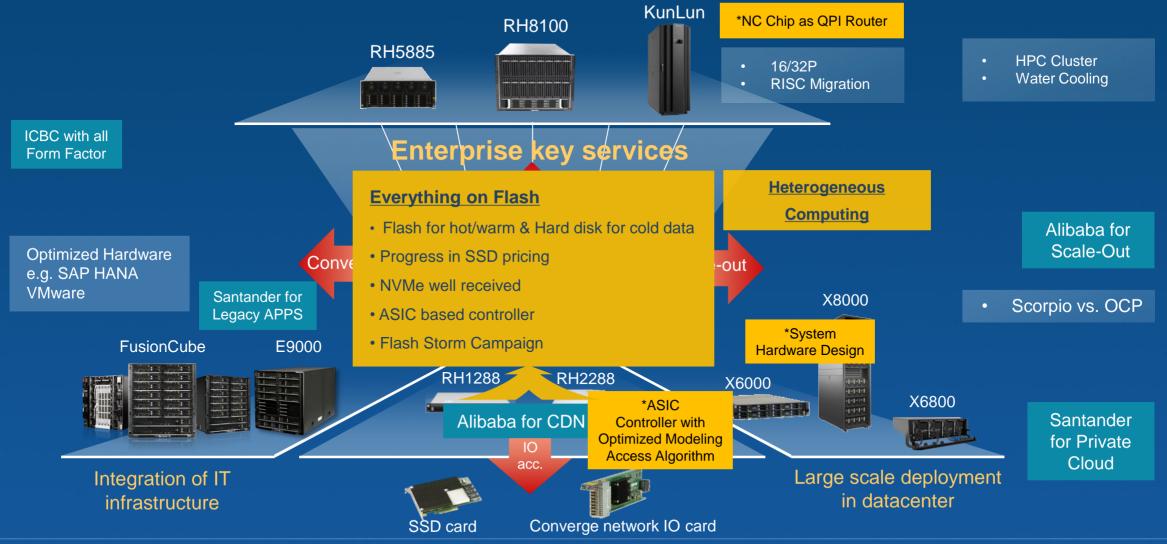
Layering Approach towards Innovation





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DC Infrastructure: Scale-Up/Scale-Out/Convergent Server plus SSD



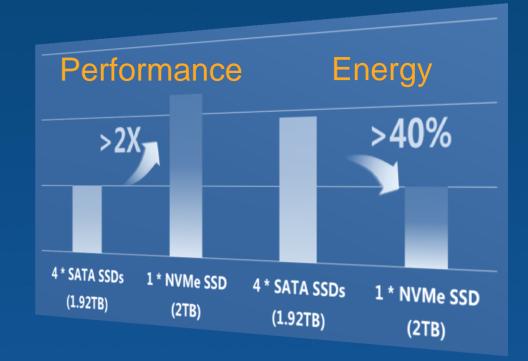


DC Infrastructure: Storage Media Transformation Accelerated

NVMe SSD Replacing SATA SSD SSD Replacing HDD



ES3000 V3 NVMe SSD



One Capacity

Double Performance



DC Infrastructure : All-Flash Platform for IO Intensive/Latency Sensitive Systems/APPS

Unique Flash Technology

Performance Accelerated chips

- Converged SmartIO Chip
- IO Process Acceleration Chip
- SSD Controller Chip

Flash-oriented OS

- Flash-aware IO Scheduling
- SSD Reconstitution Pool
- Cooperative Flash Management

Database Optimization

- Deep Optimization for Oracle/SAP
- Reference Architecture
- Best Practice



Dorado V3: New-gen AFA

Unique Platform Values

Extreme Performance

- IOPS > 4M
- Scale-out to 16 controllers
- Consistent latency< 500us

Rich Features

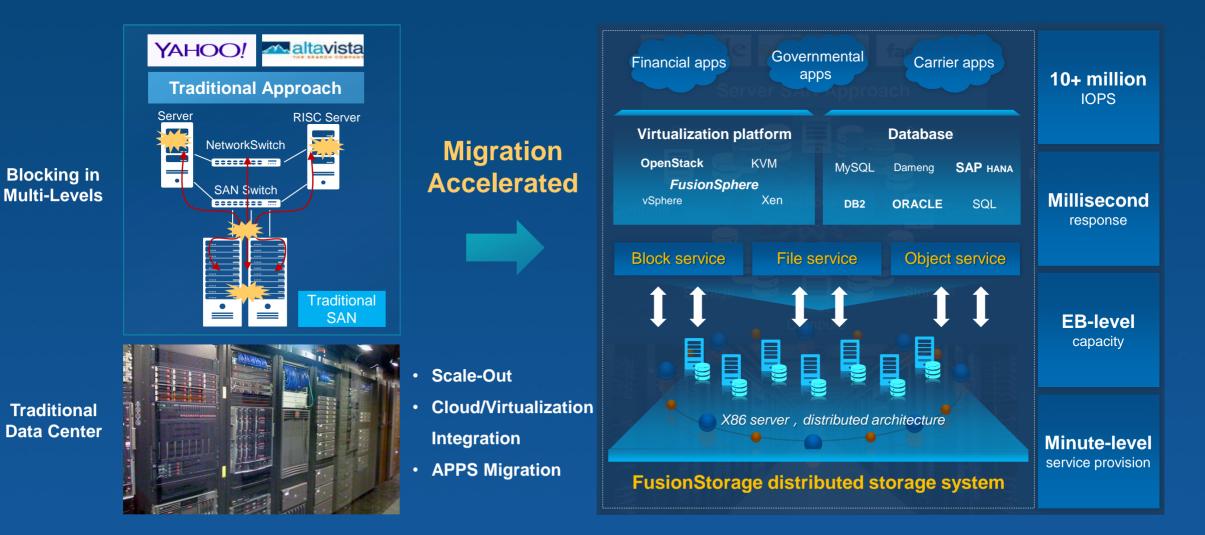
- Inline De-dup and Compression
- Heterogeneous virtualization
- QoS / Snapshot / Replication / Online Migration

Reliable

- DIF / NDU
- Active-Active DC solution



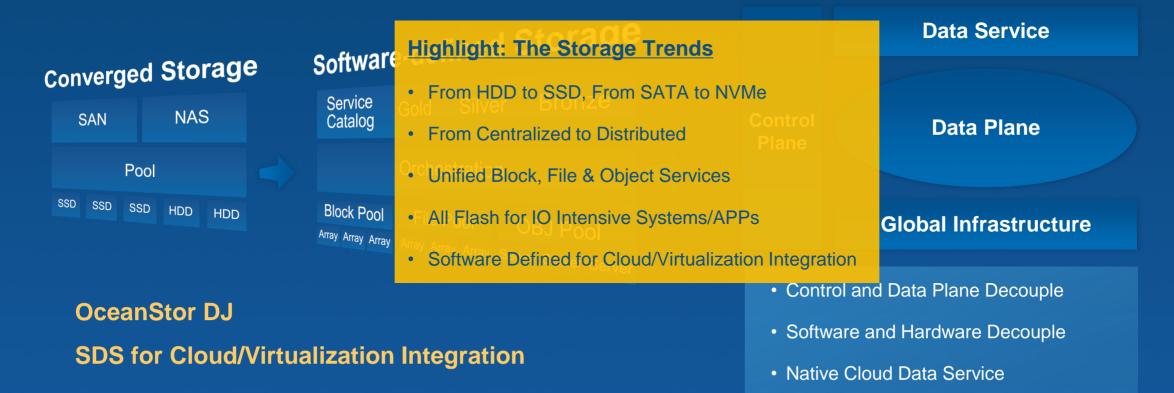
DC Infrastructure: from Centralized to Distributed Storage





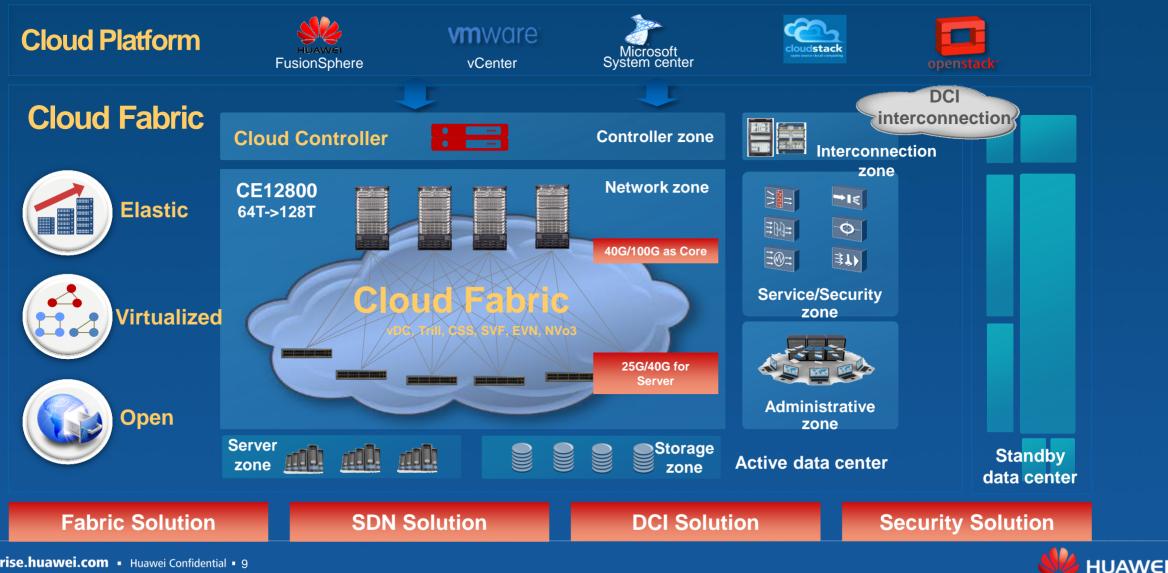
DC Infrastructure: Virtual Resource Pool via Software Defined

Data Function Virtualization



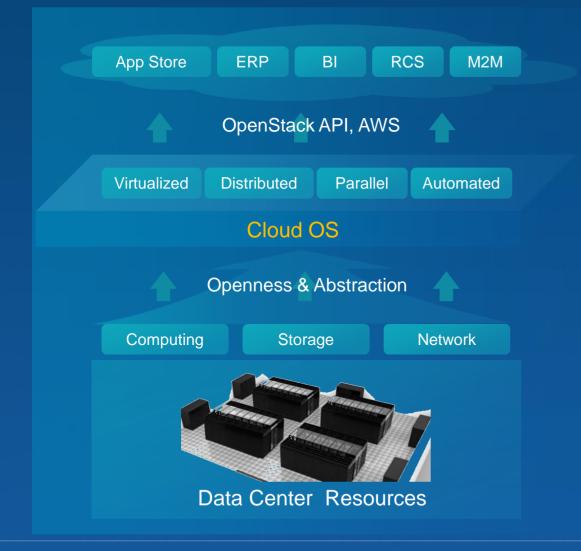


Innovative@DCN: Cloud based Data Center with SDN



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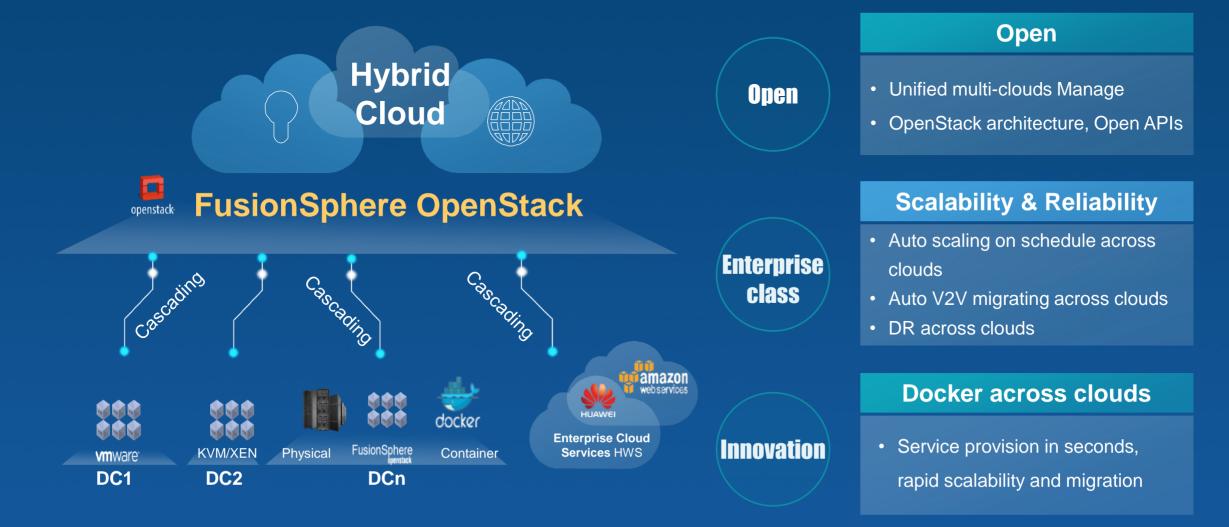
Cloud OS: OpenStack Deployment Accelerated



- Balance shifted towards Private vs. Public Cloud for Large Enterprise
- Data localized even for Public Cloud
- Hybrid Cloud: Per Service/Application allocation on Public/Private
- VMware coexistence & migration, Multi-vendor, Cascading
- laaS focused, PaaS getting hot for pioneer
- OpenStack for IaaS, KVM for Virtualization, Kubernetes/Cloud Foundry/Cloudify for PaaS, Industry specific PaaS, direction clear, to be mature

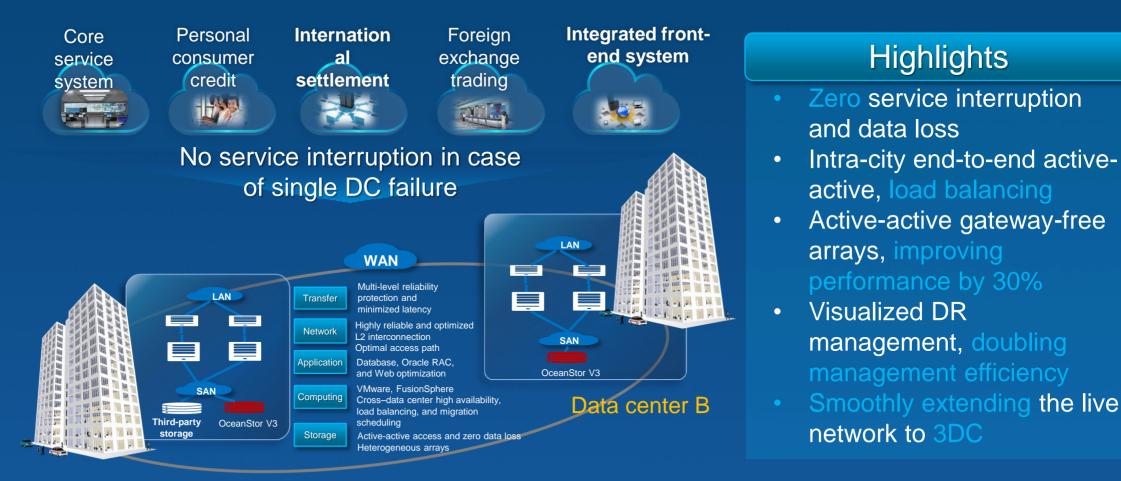


Huawei Hybrid Cloud: Connect the Clouds





Banking Active-Active Solution — Intra-city, Load Balancing



Data center A

Note: China market–oriented



ICBC/Huawei Joint Innovation for Banking Vertical





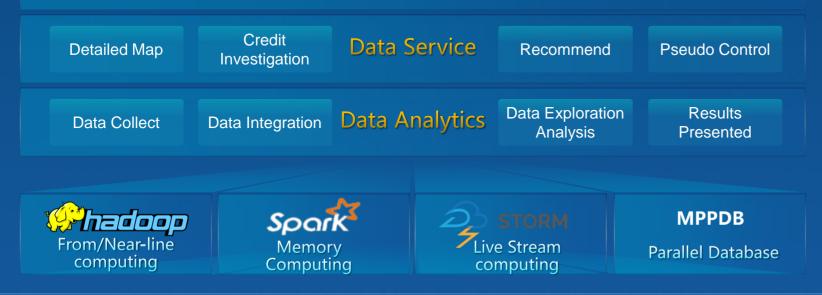




Huawei Enterprise Big Data Platform: Agile, Smart and Trusted



FusionInsight



Agile

- Open architecture with performance linearity and scalability
- Rich toolkit for efficient development and management/maintenance
- Powerful SQL for business migration

Smart

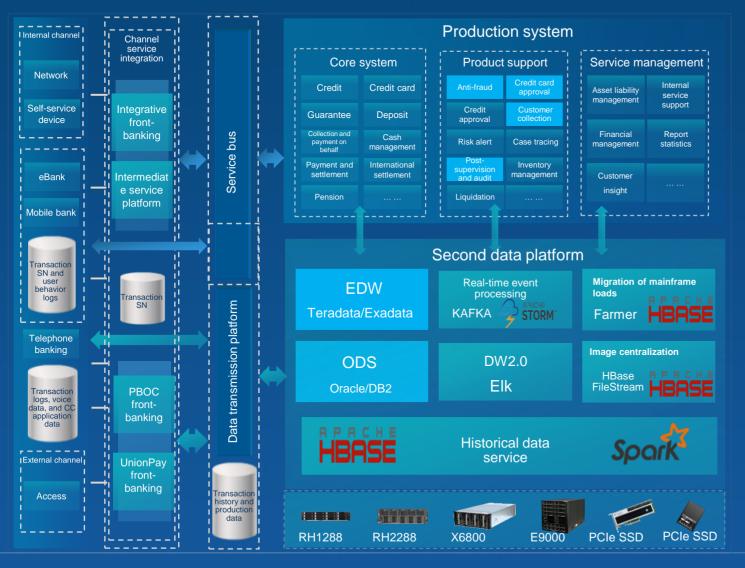
- All-Data model for in-depth analysis
- In-house developed modeling algorithm, precise and efficient

Trustworthy

- Full function HA, disaster recovery & financial-grade security
- Open & trust for Win-Win partnership



2nd Data Platform as the 1st step for Big Data



Highlights

- High-performance massive data processing platform:
 - ✓ PB-level massive data storage
 - Linear expansion to 4000 nodes on a x86 server
 - Real-time processing of big data streams
- Real-time query of historical data
- Distributes mainframe/midrange computers query loads, reducing TCO
- Supports more data types, such as videos, images, and languages
- Provides standard SQL interfaces, simplifying development

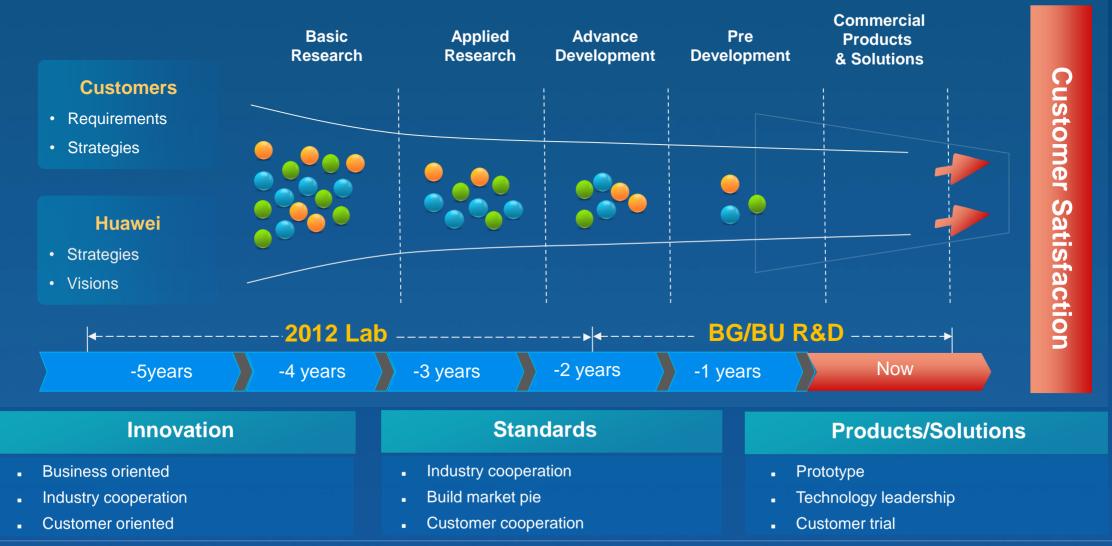


Strategic Partner for Long Term Growth with Less Cost

Compete on Mature			OverTake on Emerging	
 Strategy: More than just Me-too Complete portfolios with better ROI Fully compatible for investment protection Better performance and/or features Profit sharing 	 Products/Solutions Routing Switch & WiFi Firewall & UTM Server & Storage Telepresence & VC IP-PBX & UC 	• Product	<u>Strategy</u> Focus on Strategic Areas Focus on Strength	 Products/Solutions SDN Networking Cloud based Data Center HPC, RISC Replacement & Heterogeneous Computing Big Data Analysis with Hadoop & Spark Internet based Database System
Extend on Leading		Strategy	Customize on Vertical	
 Strategy Widening the leading gaps Leveraging for others 	 Products/Solutions Optical Core/Access Broadband Access Enterprise Wireless 		Repeatable for volume	 Products/Solutions High Density WiFi Omn-Channel/VTM/mVTM M2M/AMI eLTE etc.



Engineering plus Scientific Research





LEADING NEW ICT



Over taking on emerging technologies

Full range of competitive products & solutions

Well recognized by market with proven result

A Better Technology Partner

Continuing strengthen our support to end users & partners Engineering plus scientific research

Solid R&D commitment with 70,000+ R&D staffs & >26,000 patents granted



THANK YOU

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