Huawei Unveils Servers at IDF 2014: Joint Innovation for a Win-Win Future

Shenzhen, China, April 3, 2014 – Huawei, a leading global information and communications technology (ICT) solutions provider, showcased its innovative server products and solutions using Intel® Xeon® processors at the Shenzhen-based IDF 2014. Huawei has participated at Intel®'s premier forum for the past seven consecutive years as a gold sponsor, using it as a platform to unveil its most innovative server products and solutions.

World-leading chip innovation

Following seven consecutive annual sessions in Beijing, IDF 2014 discussed how technological innovation, openness, and cooperation are the triggers for future technology trends in mobile Internet, social networks, big data, and cloud computing within the context of globalization. Computing has made the world more intelligent, and increased equipment efficiency enhances this interconnection.

At IDF 2014, Intel® demonstrated the efficiency and value of its chips in IT infrastructure, mobile devices, and interconnected pipelines. As a global strategic partner of Intel®, Huawei demonstrated its end-to-end (E2E) comprehensive solutions that use Intel® processors, ranging from servers, storage, cloud computing, big data, data centers, and network interconnection to mobile devices. The Intel® Xeon® processor family, dedicated to IT products and solutions, lays a solid groundwork for Huawei's leading server products and solutions thanks to its enhanced performance, reliability, and extensibility.

Huawei servers unveiled at IDF 2014

The Intel® Xeon® processor-based server products and solutions launched by Huawei at IDF 2014 include the RH8100 V3 eight-socket mission-critical server, the RH5885H V3 four-socket mission-critical server, and the E9000 converged architecture blade server, all of which use Intel® Xeon® E7 v2. Huawei also showcased FusionCube and its high-performance computing (HPC) solutions that use Huawei's innovative servers, and the Trusted FusionCloud solution that includes Huawei next-

generation TPM2.0 servers.

Photo Caption: Huawei Unveils Servers at IDF 2014

Huawei RH8100 V3 runs on Intel®'s Xeon® E7-8800 v2 processor which provides up to 60 features across reliability, availability, and serviceability (RAS). It is comparable to midrange computers, and enjoys robust computing performance and extensibility. Huawei's hardware partitioning technology is leveraged to divide a single eight-socket server into two four-socket servers to support the evolution of processors over the next ten years, addressing the future high-speed interconnection requirements of the next three generations. This feature maximizes resource utilization and ensures a high return on investment (ROI).

The RH5885H V3 four-socket rack server provides 53 RAS features and offers world-record computing performance enabled by the Xeon® E7-48000 v2 processor in integer computing and floating-point computing. The RH5885H V3 offers double the computing performance and triple the memory

capacity when compared with Huawei's RH5885 V2. In addition, up to 16 PCIe slots can be used to address customer requirements for service expansion.

The Huawei E9000 converged architecture blade server is a new-generation powerful infrastructure platform that converges computing, storage, switching, and management. The E9000 is competitive in the hardware computing platform in terms of availability, computing density, energy saving and emission reduction, backplane bandwidth, intelligent management and service, in addition to the elastic configuration and flexible expansion of computing and storage resources, low network latency, and application acceleration.

The latest Intel® Xeon® E7 v2 processor family features two-fold performance, three-fold memory, four-fold I/O performance, and up to 99.999% reliability. The processors comprehensively enhance the customer value created by x86 servers, which outperform RISC architecture-based servers. By leveraging its E2E server R&D and design capabilities and Intel®'s latest-generation Xeon® processors, Huawei offers industry-leading memory RAS technologies such as memory board hot-swapping independent of operating systems and memory fault warning. With the link fault tolerance and retry functions, compressed online maintenance capabilities are available to ensure service continuity.

Huawei's FusionCube solution uses the Huawei E9000 converged architecture blade server and is a one-stop enterprise IT solution with the highest integration and cost efficiency. It enables the automatic deployment of computing, converged network, storage, virtualization, and middleware. This significantly improves efficiency in IT management, operation, and maintenance, to help customers achieve one-stop deployment and application.

Huawei also showcased its Trusted FusionCloud solution that uses servers based on Huawei's next-generation TPM2.0 technology at IDF 2014. TPM2.0 security chips and Intel® Trusted Execution Technology (TXT) together ensure secure and trusted virtualization and cloud computing platforms. TPM virtualization technology (vTPM) enables trust in software running on virtual machines. Huawei's

FusionSphere cloud operating system protects system integrity using TPM2.0 server and vTPM technology. TPM2.0 enables bidirectional access and health checks between cloud resources and terminals.

Huawei also unveiled its latest E2E HPC solution at IDF 2014. Thanks to its expertise in hardware and software, as well as its cooperation with partners including Intel® in innovative technologies, Huawei demonstrated its integrated HPC solution that features modular design, rapid deployment, efficient management, and eco-friendliness. In hardware, Huawei provides high-performance servers, large-capacity storage devices, and high-bandwidth switch networks to address HPC requirements. In software, Huawei provides centralized management over clouds and high-performance clusters to enable seamless evolution from physical clusters to clouds.

Huawei's innovative servers bolster up mission-critical services and data mining

Mr. Lin Jun, Chief Huawei Server Architect, delivered a speech on "Huawei Server Innovation: Oriented to Big Data Mining and Mission-Critical Application" at IDF 2014, discussing how computing resources have become increasingly crucial as the boom in data usage continues to increase requirements for service transformation.

Mr. Lin also said that Huawei and Intel® maintain an important partnership, in which they jointly following the latest technology trends and innovations based on Intel® Xeon® processors to develop the industry's most advanced server solutions aimed at delivering high reliability, performance, availability, and extensibility to customers.

Mr. Lin concluded by adding that data mining and governance capabilities are critical to the application of big data, and that Huawei servers that use latest Intel® Xeon® E7 v2 processors provide advanced server solutions to mission-critical services as well as data mining and analysis.

In 2013, Huawei ranked fourth globally and second in China in server shipments according to Gartner Report, *Quarterly Statistics: Servers, Worldwide, 4Q13 Update.*

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About Huawei

Huawei is a leading global information and communications technology (ICT) solutions provider. Through the dedication to customer-centric innovation and strong partnerships, Huawei has established end-to-end advantages in telecom networks, devices and cloud computing. Huawei is committed to creating maximum value for telecom operators, enterprises and consumers by providing competitive solutions and services. Its products and solutions have been deployed in over 170 countries, serving more than one third of the world's population.

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