NEC Corporation of America

News Release

FOR IMMEDIATE RELEASE

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NEC ADDS NEW ADVANCED SERVERS FOR VIRTUALIZATION TO DYNAMIC IT INFRASTRUCTURE SOLUTION

Next Generation NEC Servers Built on New Intel Xeon Processor; Offer Higher Performance, Energy-Efficiency, High Bandwidth Vital for Virtualization and Consolidation

Santa Clara, Calif., March 30, 2009 – NEC Corporation of America, a premier provider of IT, network and identity management solutions, today announced NEC's new innovative servers based on the new Intel® Xeon® processor 5500 Series (formerly code-name "Nehalem"). The NEC Express5800/SIGMABLADE and NEC Express5800 rack servers will be the first of NEC's servers to benefit from the performance boost and energy-efficiency of the new Intel Xeon processor combined with NEC's own innovations for higher performance, energy efficiency and higher bandwidth—which is essential for virtualization and consolidation.

NEC's Dynamic IT Infrastructure solution is focused on delivering improved IT efficiency through smart, flexible, resilient, evolutionary products for virtualization, consolidation, and business continuity. Server virtualization, in particular, requires not only high performance and energy efficiency, but higher server bandwidth to handle the increased volume of application and device communications of a virtualized environment. NEC Express5800/SIGMABLADE servers have been designed exactly with these requirements in mind. NEC's next generation servers combined with its wide portfolio of systems management tools and services provide customers with a solution that is dynamic, cost-effective and improves efficiency across datacenters.

"Virtualization and consolidation provide the most immediate way for IT organizations to achieve greater efficiency," said Marc Hafner, vice president of Servers and System Software Division, IT Platform Group, NEC Corporation of America. "NEC, through our continued innovative energy-minded designs, and collaboration with Intel, is able to offer a server product line that delivers the ultimate combination of efficiency, performance, and scalability required for successful data center virtualization and consolidation. In addition, NEC can also provide virtualization services to drive greater IT value for our customers."

To ensure that IT organizations gain the most business value from these innovative products, NEC also offers a complete range of services to assess, design, implement, and manage virtualized IT infrastructures. Our Dynamic IT

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Infrastructure solution, coupled with our collaborative approach, helps ensure that our clients achieve their objectives for IT efficiency while creating a virtualized infrastructure that can grow and evolve with their business.

“Intel and NEC have a long history of working together to bring robust IT solutions to customers,” said Kirk Skaugen, vice president and general manager of Intel’s Server Platforms Group. “NEC’s new servers take advantage of the intelligent performance, energy efficiency and virtualization capabilities of the Intel Xeon processor 5500 series, to meet customers’ ever-increasing virtualization and consolidation needs.”

Environmental Efficiency and Performance Improvements

NEC has incorporated cutting-edge innovations into its product line of high-quality servers to take full advantage the new Intel Xeon processor 5500 Series and associated technologies. These innovations include:

- Performance optimization for virtualized environments using the new Intel Xeon processors;
- Integrated Intel® Quick-Path Interconnect (QPI) technology to increase performance through efficient memory access;
- NEC’s Green Cooling Technology to help minimize the required power consumption, as well as to automate power usage, for more effective data center consolidation benefits. Green Cooling Technology is based on the server’s thermal environment, workload, and configuration, such as dynamic fan control and other innovations; and
- NEC’s 80 PLUS certified*, energy-efficient, next generation power supply for at least 20% less energy from normal to peak operating conditions, as compared to previous models.

New NEC Rack Server Capabilities

Additional new features in the NEC rack servers include:

- High-speed DDR3 memory modules for additional memory access performance;
- Support for 8 GB DIMM to increase memory up to 96 GB per server;
- Support for both 2.5-inch and 3.5-inch SAS hard disk drives, for faster performance and energy efficiency;
- Power Capping Technology to control power consumption that is fully integrated with NEC’s ESMPro configuration and management software tools provided with every NEC server; and
- Backward compatibility to previous PCI-X bus expansion for upgrade compatibility.

“NEC is leveraging the Intel Xeon 5500 processors Series in its x86 server product line, including its NEC Express5800/SIGMABLADE solution for data center virtualization implementations," said Matt Eastwood, group vice president of IDC's Enterprise Platforms group. "These blades support high I/O bandwidth, providing high-speed SAN access through a multi-port design, all of which is especially important for virtualization deployments."

NEC Express5800/SIGMABLADE and Express5800 Rack Intel Xeon Processor 5500 Series-based Servers

NEC’s first round of products to adopt the new Intel Xeon processor 5500 Series include the NEC Express5800/B120a blade server; and the NEC Express5800/R120a-1 and Express5800/R120a-2 rack servers.
Blade server model:

- The Express5800/SIGMABLADE B120a standard blade offers

- support up to 64 GB RAM
- Two 2.5-inch hard disk bays
- Two expansion slots
- Two fibre channel ports
- All NEC blades can be mounted in the existing NEC SIGMABLADE-M Chassis hosting up to eight blades, and the NEC SIGMABLADE-H Chassis hosting up to 16 blades.

Rack server models:

- 1U and 2U rack servers support up to 96 GB RAM;
- Support for both 3.5-inch SAS and SATA hard disks or 2.5-inch SAS hard disks. In the 2.5-inch drive configuration, the 1U server can host six hard disk drives and the 2U server up to eight hard disk drives. Both server models support the new innovative Power Capping Technology for greater energy efficiency.

U.S. Pricing and Availability

NEC's new Express5800/SIGMABLADE and Express5800 rack servers will be generally available in the U.S. in May 2009**. NEC's new server pricing will be released when the products become available. NEC's Express5800 rack and Express5800/SIGMABLADE servers will include minimum three years of onsite next business day warranty service. Additional warranty upgrade and extension options are available. To purchase NEC's new servers, go to http://www.necam.com/HowToBuy.

NEC's Dynamic IT Infrastructure

NEC's Dynamic IT Infrastructure is a solution that includes servers, storage, virtual desktop solutions, and system software—along with a complete range of services—which are smart, flexible, adaptive to change, scalable, resilient, and continuously evolving. Deployment of these devices provide a system that will:

- Provide protection from failures – true fault tolerance
- Allow you to flex and adapt to changing business needs
- Simplify manageability and reduce complexity
- Provide automated workload balancing and self-provisioning
- Self-heal and self-evolve
- And, enable true business continuity.

This type of infrastructure allows IT organizations to move forward confidently and meet changing and growing business needs in an efficient manner.

About NEC Corporation of America

NEC Corporation of America is a leading technology provider of network, IT and identity management solutions. Headquartered in Irving, Texas, NEC Corporation of America is the North America subsidiary of NEC Corporation. NEC Corporation of America delivers technology and professional services ranging from server and storage solutions, IP voice and data solutions, optical network and microwave radio communications to biometric security, virtualization and digital cinema solutions. NEC Corporation of America serves carrier, SMB and large enterprise clients across multiple vertical industries. For more information, please visit http://www.necam.com.

* 80 PLUS is a program administered by ECOS; an organization committed to improving the environment. The 80PLUS program is an electric utility-funded incentive program to integrate more energy-efficient power supplies into desktop computers and servers. http://www.80plus.org/80what.htm.
**Prices, availability, and specifications are subject to change without notice. Resellers determine their own pricing.

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