

**HITACHI TEAMS WITH TRANSITIVE TO ACCELERATE DATACENTER  
MIGRATIONS FROM SPARC TO INTEL ITANIUM, XEON**

*-- Solution Extends Datacenter Consolidations to Solaris/SPARC Applications --*

**SANTA CLARA, Calif. – Nov. 27, 2007** – In a move that will help enterprise computing customers accelerate datacenter migration efforts, Hitachi America, Ltd., a subsidiary of Hitachi, Ltd. (NYSE: HIT / TSE 6501), announced today that it has entered into a joint marketing agreement with Transitive® Corp., the leading provider of operating system/hardware virtualization solutions that enable the transportability of applications across multiple processor and operating system pairs. Through the agreement, Hitachi will feature Transitive's award-winning QuickTransit® for Solaris™/SPARC®-to-Linux® on Hitachi's BladeSymphony® 1000 and 320 blade server products running on Intel® Xeon® and Itanium® 2 processor technologies.

The partnership will allow native Solaris/SPARC applications to run on industry-standard Intel Xeon- and Itanium-based platforms, thereby extending the useful life of key enterprise applications while avoiding the cost and disruption of porting projects and mitigating the risks of "out of service" hardware and software. In addition to the benefits of the blade system environment, the partnership also brings enterprise customers Hitachi BladeSymphony's embedded server virtualization capability called Virtage, allowing multiple operating system environments to run on one or more blade servers. Virtage increases server utilization and allows consolidation of applications to cost optimize workloads. Virtage is available on the BladeSymphony 1000 for Itanium and soon will be available for Xeon blades.

"In the fast-paced world of IT, CIOs and IT managers need flexibility to modify the structure of their data center on short notice," said Matthew Eastwood, group vice president of IDC. "Changing or rewriting running applications to adapt them to different hardware or software platforms is not an option that will be well-received by the business. Combining server virtualization with platform transportability will provide IT with a viable solution to migrate their applications with much less effort and testing than would otherwise be expected."

By running on top of the operating system, the QuickTransit technology allows applications that have been compiled for one operating system and processor to run on servers that use a different processor and operating system, without requiring any source code or binary changes. Bridging the outermost layers of computing, the Hitachi Virtage and Transitive solution provides a close affinity between the underlying

hardware and the user-facing application infrastructure that significantly lowers deployment time and costs and increases datacenter capabilities by expanding both the domain and range of applicable use.

“Transitive’s QuickTransit product running on Virtage represents the industry’s first enterprise-class combined server virtualization and OS/hardware virtualization packaged solution,” said Steve Campbell, vice president of marketing and solutions, Hitachi Server Systems Group. “The powerful mix of flexibility, integration, scalability and security makes QuickTransit on Virtage an effective solution that significantly lowers deployment time and costs and increases datacenter capabilities for all enterprise tiers.”

The specific benefits of the solution are to:

- Enable users of Solaris/SPARC applications to run applications on BladeSymphony 1000 and 320 without application rewrite, recompile or complex low-level changes
- Break the hardware/software dependency scenario
- Support multiple SPARC instruction sets introducing support for 32-bit and 64-bit Solaris/SPARC applications
- Maximize return on investment by correlating equipment spend to lowered maintenance costs using Transitive’s QuickTransit and to greater efficiency using Hitachi’s Virtage
- Provide complete end-user transparency allowing users to be productive without concerns for the underlying hardware configurations.

“Transitive’s partnership with Hitachi Server Systems creates a hardware-independent, enterprise-class solution that provides a number of benefits datacenter managers are searching for – from efficient processing, to managed and robust resource allocation, to reduced complexity,” said Bob Wiederhold, CEO and president of Transitive. “Hitachi has built a line of servers that handle a multitude of tasks, and now, with Transitive’s QuickTransit technology, Hitachi’s BladeSymphony solutions will supply further capacity, delivering results no matter what the constraints might be.”

Hitachi’s Virtage brings mainframe-class virtualization to blade computing, delivering high-performance, extremely reliable and transparent virtualization for BladeSymphony systems. By leveraging Intel’s Virtualization Technology (VT) to ensure that processor performance is optimized for the virtual environment, Virtage can provide a stable platform that incorporates virtualization into the hardware layer. It also can partition physical server resources allowing each of these environments to run independently. Different operating systems can run on multiple partitions on a single physical server,

enabling increased management capabilities for Transitive's QuickTransit for Solaris/SPARC-to-Linux on Hitachi's BladeSymphony 1000 and 320 blade server products running on Intel Xeon and Itanium 2 processors.

### **About Hitachi**

Hitachi America, Ltd., Information Division, Server Systems Group, supplies highly scalable and performance-oriented server platforms targeting mid- and large-scale enterprise customers with solutions offerings ranging from high-end transaction engines to large scale databases. For more information about Hitachi blade servers, visit [www.hitachi.us/servers](http://www.hitachi.us/servers) or contact [serversales@hal.hitachi.com](mailto:serversales@hal.hitachi.com).

Hitachi America, Ltd., a subsidiary of Hitachi, Ltd., markets and manufactures a broad range of electronics, computer systems and products, and consumer electronics, and provides industrial equipment and services throughout North America. For more information, visit [www.hitachi.us](http://www.hitachi.us).

Hitachi, Ltd., (NYSE: HIT / TSE: 6501), headquartered in Tokyo, Japan, is a leading global electronics company with approximately 384,000 employees worldwide. Fiscal 2006 (ended March 31, 2007) consolidated revenues totaled 10,247 billion yen (\$86.8 billion). The company offers a wide range of systems, products and services in market sectors including information systems, electronic devices, power and industrial systems, consumer products, materials and financial services. For more information on Hitachi, please visit the company's website at [www.hitachi.com](http://www.hitachi.com).

### **About Transitive Corporation**

Transitive is the leader in providing solutions that allow the transportability of software applications across multiple hardware platforms, with more than 10 million customer deployments worldwide. The company's QuickTransit hardware virtualization solution allows software applications that have been compiled for one processor/operating system to run on a system with a different processor/operating system, without any source code or binary changes and at speeds comparable to native ports.

QuickTransit allows data center managers to transport legacy enterprise applications quickly and easily from outdated, proprietary hardware to modern, standardized platforms without incurring the costs and delays of porting projects, and with no disruption to end users. QuickTransit also facilitates computer companies' migration to new hardware platforms; dramatically reduces software developers' cost, risk, and time-to-market in supporting multiple hardware platforms; and makes significantly more software available for more hardware platforms.

Transitive Corporation is located in Los Gatos, California with a research and development team in Manchester, UK. More information can be found at the Transitive Web site at [www.transitive.com](http://www.transitive.com).

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