Hitachi VSP G1000 Soars Past All Prior SPC-1 Results With 2,004,941.89 SPC-1 IOPS Result

SANTA CLARA, Calif.—Feb. 19, 2015 — Hitachi Data Systems Corporation (HDS), a wholly owned subsidiary of Hitachi, Ltd. (TSE: 6501), today announced that Hitachi Virtual Storage Platform G1000 with Hitachi Accelerated Flash achieved an SPC-1 Result that dramatically exceeded any prior submission of the real-world emulating SPC-1 benchmark – piercing the two million SPC-1 IOPS ceiling for the first time.

Built specifically for the most demanding enterprise-class workloads in both standalone and converged environments, the Hitachi VSP G1000 all-flash configuration allows organizations to maximize return on their investments in flash technology while accelerating application performance, maximizing server virtualization environments, and enabling extreme-performance private cloud deployments.

Given the abundance of often unsubstantiated vendor claims regarding storage-performance, Hitachi is proud to provide audited, third-party performance results so customers can better plan, build and manage high-performance environments. SPC-1 performance testing is designed to demonstrate a system’s performance capabilities for workloads such as business critical applications and OLTP environments.

Achieving an SPC-1 Result of 2,004,941.89 SPC-1 IOPS™[1], an all-flash VSP G1000 leapt to the front of the performance pack with more than 60 percent greater throughput and one-third the full-load response time of even specialized, niche DRAM-based systems. Against typical enterprise competition, not only was the
system significantly faster, but it was the first enterprise storage system to achieve SPC-1 Price-Performance of US$1.00/SPC-1 IOPS™.

To better understand the VSP G1000 hardware and Hitachi Storage Virtualization Operating System (SVOS) functional capabilities, other third-party assessments are necessary. Gartner provides such analysis within its Critical Capabilities for General-Purpose, High-End Storage Arrays¹. For the second year in a row, Hitachi VSP technology tied for the highest overall product score for every analyzed use-case, including overall, consolidation, OLTP, server virtualization and VDI, analytics and cloud. Hitachi Data Systems has also been placed as a leader in Gartner’s Magic Quadrant for General-Purpose Disk Arrays, 2014 report².

“This latest SPC-1 Result further demonstrates our commitment to provide industry-leading flash-based technologies, as well as the superiority of the Hitachi VSP G1000 architecture and our SVOS flash optimization engineering,” said Sean Moser, senior vice president, global portfolio and product management at Hitachi Data Systems. “More and more, customers are asking for application and server virtualization acceleration with less disruption and risk to their environment. With Hitachi VSP G1000, we can start customers down the path toward a private cloud with confidence, unified management and performance to spare.”

Customer Benefits

- **Greater Productivity:** Sustained 333 percent more business transactions than the previous Hitachi VSP with all-flash.
- **Increased Efficiency:** 60 percent reduction in application response-time compared with prior Hitachi VSP with all-flash, allowing support for more users and applications. 25 percent more workload per drive compared with prior Hitachi VSP with all-flash.

About Hitachi Virtual Storage Platform G1000

¹ Gartner; Critical Capabilities for General-Purpose, High-End Storage Arrays; Valdis Filks, Stanley Zaffos, Roger W. Cox; November 20, 2014.
² Gartner; Magic Quadrant for General-Purpose Disk Arrays; Stanley Zaffos, Roger W. Cox, Valdis Filks; November 20, 2014.
Hitachi Virtual Storage Platform G1000 provides the always-available, agile and automated foundation needed for a trusted continuous-cloud infrastructure. Powered with Hitachi global storage virtualization, its new software capabilities unlock IT agility and enable the lowest storage TCO.

Web Resources

- SPC-1 results: Hitachi VSP; IBM System Storage DS® 8870 and HP P10000 3PAR V800 Storage System
- Learn more about Hitachi VSP G1000
- Learn more about the HDS strategy for flash integration
- Follow us on Twitter.
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About Hitachi Data Systems

Hitachi Data Systems provides information technologies, services and solutions that help companies improve IT costs and agility, and innovate with information to make a difference in the world. Our customers gain compelling return on investment (ROI), unmatched return on assets (ROA), and demonstrable business impact. With over 6,300 employees worldwide, Hitachi Data Systems does business in more than 100 countries and regions. Our products, services and solutions are trusted by the world's leading enterprises, including more than 70% of the Fortune 100 and more than 80% of the Fortune Global 100. Visit us at www.HDS.com.

About Hitachi, Ltd.

Hitachi, Ltd. (TSE: 6501), headquartered in Tokyo, Japan, is a leading global electronics company with approximately 326,000 employees worldwide. The company’s consolidated
revenues for fiscal 2012 (ended March 31, 2013) totaled 9,041 billion yen ($96.1 billion).
Hitachi is focusing more than ever on the Social Innovation Business, which includes
infrastructure systems, information & telecommunication systems, power systems,
construction machinery, high functional material & components, automotive systems and
others. For more information on Hitachi, please visit the company’s website at
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About Storage Performance Council (SPC)

The Storage Performance Council (SPC) is a vendor-neutral, industry standards organization
focused on the storage industry. The SPC created the first industry-standard performance
benchmark targeted at the needs and concerns of the storage industry. From component-
level evaluation to the measurement of complete distributed storage systems, SPC
benchmark results provide a rigorous, independently audited and reliable measure of
performance, price-performance and energy consumption. For more information about the
SPC, SPC benchmarks and SPC Results, please visit http://www.storageperformance.org.

[1] The SPC-1 Executive Summary and Full Disclosure Report (FDR) for the Hitachi Virtual Storage
Platform G1000 is available at:
http://www.storageperformance.org/results/benchmark_results_spc1_active#a00153

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