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NonStop Computing Update August 2006



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Sprint wins *DM Review* 2006 World Class Solution Award

Sprint, a global communications company serving in excess of 26 million business and residential customers in more than 70 countries, has won the [prestigious *DM Review* 2006 World Class Solution Award in the High Availability, Performance, and Systems Management category](#). The Sprint Operational Data Store (ODS) Network Event Collection Solution, based on NonStop servers and a NonStop SQL database, processes 365 million call detail records (CDRs) and operational measurements (OMs) per day with 99.999 percent availability. It also makes customer file changes at the rate of 100 per second and supports customer service queries (immediate response) at the rate of 2,000 per second.

The [Sprint ODS solution](#) reduces cost by requiring 70 percent fewer database analysts and 50 percent fewer system administration personnel than commercial database products. It helps protect against network outages that could cost Sprint more than US\$10 million dollars per outage. And it reduces loss due to fraud by several million dollars per year. Support for open standards in the NonStop system environment is another area in which Sprint saves money, because the company does not need to invest in special programmers. For developers on the Open Systems Services (OSS) side of the NonStop system environment, it is essentially like

New healthcare EDI solution powered by Integrity NonStop servers

MiddleSolve/Payer Information Manager, a modular EDI healthcare claims processing and management system from [edissolve](#), addresses the complete life cycle of payer EDI requirements and automates the means for payers to collect claims directly from providers. Based on multilayered functionality, MiddleSolve/Payer Information Manager combines the 24 x 7 availability and real-time processing of Integrity NonStop servers with data-centric applications that automate claims processing, enable business-activity monitoring, and integrate claims data with back-end systems. The solution goes beyond the typical front-end EDI-wrapper approach by capturing transactional information from the healthcare provider and payer in an operational data store (ODS). A packaged solution, MiddleSolve/Payer Information Manager includes the Integrity NonStop server infrastructure, edissolve application software, and combined services. It can be configured in a number of flexible ways, including a hybrid architecture in which critical information and applications are kept in the trusted Integrity NonStop server environment and less critical elements are run on low-cost Linux, Microsoft® Windows®, or UNIX® based servers.

>> [Read more](#).

RVU G06.29 for NonStop S-series servers ships

G06.29 is a generally available release version update (RVU) of the NonStop operating system for NonStop S-series servers. Available now, RVU G06.29 includes many new and enhanced functions such as a USA66 Daylight Savings Time (DST) option, HP Open System Services (OSS) support for files larger than the current 2 gigabytes, various security and cryptology improvements, and much more.

>> [Go to a complete list of RVU G06.29 new and enhanced features \(navigate to G06.29: Publications: Release and Migration\)](#).

Analyst report: *Scale up? Scale out? HP scales down NonStop for SME*

The following excerpt is taken from a new *Clipper Group Navigator* report (July 3, 2006, Analyst: David Reine, Report number: TCG2006054):

“While enterprises around the globe are fixated upon the debate between scale up versus scale out technologies, HP has expanded its real-time mission by scaling down their mission-critical NonStop environment with the NS1000 server. By re-engineering the fundamental architecture, HP has improved the performance and reliability while reducing the price significantly. In IT, as in all aspects of life, perception becomes reality. If you believe that all fault-tolerant systems have to be complex proprietary engines, then in your mind, they are. HP has changed that paradigm with the introduction of the Integrity NonStop NS-series, in general, and the NS1000 server in particular. By starting with an off-the-shelf commodity node, HP has

working on any other UNIX platform.

Last year, Sprint won yet another prestigious award with NonStop technology. The company was named first-place winner for the largest database in the world in the [Winter TopTen Program](#) for its NonStop SQL database implementation, comprising more than 2.847 trillion rows—nearly twice the size of second-place winner AT&T Labs Research and a fivefold increase since the last program was conducted in 2003.

>> [Read more.](#)

>> [Find out how Sprint runs its business on NonStop technology.](#)

Montefiore Medical Center synchronized for disaster tolerance

A [DM Review Magazine article \(July 2006\)](#) describes Montefiore Medical Center's successful disaster tolerance initiative based on NonStop servers and a solution from NonStop partner [GoldenGate Software](#).

Montefiore, a 1,062 bed medical center, teaching hospital, and research facility, has been serving patients and their families in New York, the tri-state area, and beyond for more than 100 years. It ranks among the top 1 percent of all U.S. hospitals, based on its investments in medical innovation and cutting-edge technology. For its disaster tolerance initiative, Montefiore needed to fully synchronize its production and secondary systems for processing of all critical healthcare information. Veridata, GoldenGate's transactional data management

managed to reduce the TCO of fault-tolerant data centers. With the introduction of the NS1000, HP now provides the data center with choice, the same choices that any consumer gets outside the IT world.”

>> [Download the full report.](#)

Integrity NonStop server family guide compares new models

HP is committed to meeting your exact needs, whether it's a departmental server, an enterprise data center, or anything in between. The new [Integrity NonStop server family guide](#) describes the HP portfolio of servers and details the three Integrity NonStop server models—NS16000, NS14000, and the new entry-level NS1000—available today. The document also includes a comparison chart that puts Integrity NonStop server models side-by-side to compare everything from availability features and clustering capabilities to processing power and maximum configurations.

RoHS compliance for NonStop products

HP is dedicated to compliance with all applicable laws and regulations, including the European Union (EU) Restriction of Hazardous Substances (RoHS) Directive that restricts the use of lead, mercury, cadmium, hexavalent chromium, and two bromine-containing flame retardants in electrical and electronic products. The state of California has enacted similar legislation (SB50), which will become effective on January 1, 2007. RoHS compliance has been implemented for all NonStop products sold after June 30, 2006. Some NonStop products will not be RoHS compliant and can no longer be sold; these exceptions are listed in the recently published [RoHS compliance by NonStop products](#) document.

CIBC extends technology outsourcing agreement

The [Canadian Imperial Bank of Commerce](#) (CIBC) has extended its [technology outsourcing agreement](#) with HP to 2013, supporting the bank in the management of a highly available, reliable, and secure IT environment for its retail and wholesale banking business—all running on NonStop servers. Service and support will also extend to CIBC's Internet banking, branch tellers, automated banking machines, point-of-sale, wire payments, and fraud detection systems. The agreement outlines that HP will also be responsible for data center and network infrastructure management, host (mainframe and NonStop systems) and midrange transaction processing, application services, operating systems, storage, and desktop messaging.

solution, is used to synchronize the two databases and allows Montefiore to offload comparison processing onto an “outboard” system, freeing resources on the NonStop system while also providing capabilities to compare multiple files and tables simultaneously, while applications are running and files are open.

Partner News

Secure Pathway server access from clients on any platform

[Client Server Link \(CSL\)](#)

enhances comForte’s remote server call product to become the ultimate infrastructure for accessing Pathway servers in a service-oriented way. Using Eclipse or a standalone workbench, services can be visually designed and mapped to existing Pathway servers, providing a single infrastructure for service consumption by Java™ applications and applets, EJBs, .NET components, and Web Service clients.

EZX-BackBox certified by IBM as “Tivoli Ready”

ETI-NET’s EZX-BackBox is now certified as “Ready for IBM Tivoli software.” Used with IBM’s Tivoli Storage Manager, EZX-BackBox deposits NonStop data directly into the Tivoli server—without requiring intermediate storage—enabling a cost-effective and robust backup and tape encryption solution. Because EZX-BackBox interfaces to the NonStop system as a collection of virtual tape devices, integration with Tivoli can be implemented quickly, without operational re-engineering. For more information, contact

General News

Tech leaders draft new XML specs to simplify IT management

HP, BEA, BMC, Cisco, Dell, EMC, IBM, Intel, Microsoft, and Sun have published a draft of a new specification that defines a consistent way to express how computer networks, applications, servers and other IT resources are described or modeled in extensible markup language (XML) so that businesses can more easily manage the services that are built on these resources.

>> [Read the press release.](#)

HP to acquire Mercury Interactive Corp.

HP has signed a definitive agreement to purchase Mercury Interactive Corp., a leading IT management software and services company. “We are combining two market-leading businesses to create the most powerful management software portfolio in the industry,” said Mark Hurd, HP chief executive officer and president. “Together, they will help customers cut their IT costs, speed the delivery of new services, and drive profitable growth at HP. We expect this important acquisition to deliver significant value for our shareholders.”

>> [See the details.](#)

Plug into unified infrastructure management

When you think about having a big picture view into your IT infrastructure, do you see a whiteboard? If so, you’re not alone. You may be surprised at how many companies resort to using a marker and eraser as infrastructure management tools when their management software doesn’t quite make the mark on its own. That’s because many of today’s management tools are too narrowly focused, forcing you to cram your IT toolbox with separate tools to monitor and control storage and servers—increasing complexity and sending you back to the drawing board once again. What’s needed is a way to integrate server and storage management into one tool that simplifies management across the entire IT environment. That’s where HP Systems Insight Manager (SIM) comes in and the HP Essentials suite of plug-ins—the first solution in the industry to unify management for servers and storage.

>> [Read the HP feature story.](#)

ETI-NET at information@etinet.com or visit www.etinet.com.

Telered improves banking services with Ban Bottlenecks
Telered S.A., a Central American banking services company, uses NonStop servers and TDI's Ban Bottlenecks auditing software to deliver critical, high-transaction services to Panama's banking sector. With Ban Bottlenecks, Telered receives detailed, comprehensive system information about its NonStop server-based ATM and POS network, making it possible to identify the exact resources that need improvement as well as possible courses of action. Within months of successful use, Telered expanded the Ban Bottlenecks service to its electronic payments network as well. See the [full story](#).

TSI expands TE2000 tape encryption products

Tributary Systems Inc. (TSI) has significantly enhanced its tape encryption product portfolio, adding dual-ported TE2000 SCSI and four-ported TE2200 FC tape encryption appliances to its existing dual-ported TE2000 FC appliance. For additional information, contact Larry Meyers at +1 (817) 354 8009, ext. 32, or salesusa@tributary.com.

Education News

Miss a summer Customer ConCall?

If you missed one of the Customer Conference Calls presented during the summer, you can replay it and/or download the audio and slides for later use.

User Group News

Register now and save for ITUG Summit 2006

There is still time to [register and save for ITUG Summit 2006](#), to be held October 15–18 in San Jose, California. An [Advance Program](#) detailing speakers, schedules, value-added programs, technical sessions, and exhibitors is available to download now.

ITUG Summit 2006 preconference technical seminars

Take advantage of intensive one-day technical workshops offered the weekend prior to ITUG Summit 2006. Dedicated to one important topic, these seminars are more interactive than those in the conference and afford additional time to delve deeper into a specific topic and subtopics. Single seminars are priced at US\$349. A two-day workshop package is available for US\$500. Seminar topics include:

- Quick Introduction to NonStop SQL/MX for NonStop SQL/MP Users
- Quick NonStop NS-Series Server Fundamentals
- Quick Overview to Systems with NonStop Value Architecture (NSVA)
- Quick Introduction to NonStop Transaction Services/MP Programming in the OSS Environment
- Quick NonStop SQL/MX Physical Database Design
- Quick Introduction to Integrity NonStop NS14000 and NS1000 Servers

>> [Read more about these seminars and register today](#).

ITUG launches new, improved website

ITUG's new website features many improvements, including dynamic, intuitive navigation; new profile management tools for ITUG members; a new Advocacy program with expanded resources for RUGs and SIGs; a searchable database for *The Connection* magazine; improved member benefits, including enhanced ITUGLIB, Vendor/Consultant Directory, and Career Center database; and an interactive Events Calendar. Discussion Forum functionality has also been enhanced, now allowing members to subscribe to specific areas of interest and receive e-mail notification of new postings. Practically everything has changed except the URL: <http://www.itug.org>.

Regional User Group updates

There are more than 30 active ITUG Regional User Groups (RUGs) worldwide. Currently published meeting schedules are listed here.

- » [N2TUG](#): The North Texas, Oklahoma Tandem Users Group will hold an HP Free Training Day about Introduction to OSS Programming Fundamentals on September 8 in Plano, Texas.
- » [VNUG](#): The Viking NonStop User Group will hold its annual conference, coinciding with its five-year anniversary, on September 6–7 at Sundbyholms castle near Stockholm, Sweden.

- Web ViewPoint Technical Update
Presenter: Khody Khodayari (July 6)
- New Integrity NonStop Servers: NS1000 and NS14000
Presenters: Mary Ahrens and Nomi Trapnell (July 13)
- NonStop Transaction Management Facility (NonStop TMF) technical update
Presenters: NonStop TMF development team (August 3)

A free education day will precede the conference. For further information, visit the VNUG website.

>> [See the complete 2006 ITUG calendar for RUGs and SIGs.](#)

>> [Go to the NonStop Customer Conference Call Archive.](#)

>> [Sign up for future conference announcements.](#)

Service and Support News

Support Notes, July 2006

>> [View NonStop technology Support Notes released during July.](#)

Spotlight HP

“Memory Spot” wireless chip: Smaller than a grain of rice

HP researchers have developed a miniature wireless data chip with no equal in terms of its combination of size, memory capacity, and data access speed. The tiny chip—about the size of a grain of rice or smaller (2 mm to 4 mm square) and with a built-in antenna—could be stuck on or embedded in almost any object and make available information and content now found mostly on electronic devices or the Internet. Some potential applications include storing medical records on a hospital patient’s wristband, providing audio-visual supplements to postcards and photos, helping fight counterfeiting in the pharmaceutical industry, adding security to identity cards and passports, and supplying additional information for printed documents. The experimental chip, developed by the “Memory Spot” research team at HP Labs, is a memory device based on CMOS (a widely used, low-power integrated circuit design).

>> [Find out more.](#)

Important Phone Numbers and Links

(Phone numbers are for North America only, unless otherwise noted.)

- » [NonStop news](#)
The very latest NonStop product news.
- » [Global Customer Support Center](#)
1 (800) 255 5010 (U.S. only)
Technical hardware and software defect support and usage assistance.
- » [NonStop Presales Group](#)
1 (800) 282 6672
Product information, price quotations, order processing information.
- » [NonStop eServices portal](#)
A convenient, password-protected portal with access to a wide variety of services .
- » [NonStop partners](#)
Information on strategic partnerships, partner products, services, and solutions.
- » [Integrity NonStop server partner solutions and applications search tool](#)
Interactive, cross-platform tool to quickly find NonStop solutions. services, and solutions.
- » [NonStop Education & training](#)
1 (800) 472 5277 Education schedules, information, prices, and class enrollments.
- » [NonStop Customer Conference Call](#)
Monthly technical updates—a “What's New” in the NonStop world.
- » [NonStop Technical Library](#)
A wide range of NonStop product publications, including technical manuals, articles, and support information.
- » [NonStop business solutions](#)
- » [Business continuity and disaster recovery solutions](#)
Basic information about business continuity, NonStop products and services for business continuity and disaster recovery, and customer successes.
- » [NonStop software](#)
Information for developers of NonStop system applications.
- » [Interactive Upgrade Guide](#)
An interactive tool to help plan system release migrations.
- » [Web technology](#)
Preserving your investment in NonStop system business applications and databases while applying the latest Internet technologies.
- » [Product information for Integrity NonStop and NonStop servers](#)
- » [Better modernization for legacy mainframes](#)
- » [ITUG](#), a user group for the NonStop server community: +1 (312) 321 6851
- » [NonStop Services & support](#)

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