



NonStop Computing Update October 2007



Welcome to the October 2007 edition of the *NonStop Computing Update*, a newsletter with information about HP Integrity NonStop and HP NonStop servers.

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DIRECTV keeps up with customer demand

What would you like to watch tonight? A major league baseball game or perhaps a NASCAR race? How about a movie, or the national news, or cartoons for the small fry? Thanks to DIRECTV, the leading satellite provider in the United States, these and many more viewing options are available to some 16 million customers in the country. The company's astonishing breadth of programming—more than 250 channels of 100 percent digital quality—makes customers happy. Frank Palase, vice president of Enterprise Architecture, Process, and Integration at DIRECTV, aims to keep them that way. Palase is a visionary, but his gaze is not directed upward at the company's sparkling fleet of geosynchronous satellites. Palase's focus, closer to home, is on the NonStop system that serves as the central data cache for the corporation—and on the pivotal role these servers play in ensuring superlative care for every single DIRECTV customer. NonStop servers help the company with faster transaction response times, and integration of multivendor, multiplatform applications to enable faster time to market and enhanced functionality. The result is optimized information that helps improve business outcomes, accelerate growth, lower costs, and mitigate risk.

>> [Go to the full DIRECTV story.](#)

New gas explosion video showcases Zero Lost Transactions

In June, HP introduced *Disaster Proof*, a video documentary that vividly shows how HP enterprise platforms perform flawless disaster recovery, in this case, after a simulated gas-line explosion. Post explosion, the Integrity NonStop NS16000 server quickly took over a typical financial services application running about 550 transactions per second—without losing a single committed transaction from the primary system. A new video explains more specifically how the NonStop disaster tolerance solution is designed to enable the highest levels of data integrity. It features the interaction of the Integrity NonStop NS16000 server with HP software products—like NonStop Transaction Management Facility and NonStop Remote Database Facility—and with the performance and fault tolerance of HP StorageWorks XP disk array systems. Most important, the video provides an overview of how the Zero Lost Transaction feature completes the total solution.

>> See [the new video, a new documentary on the making of the original Disaster Proof video](#), and the [details in a supporting white paper](#).

NonStop Time Synchronization: Low-cost solution for hybrid enterprises

Time synchronization has always been an issue for computer systems, but it is even more critical today because of the increasing number of distributed applications being deployed, not only on Integrity NonStop servers but also in hybrid environments. Without effective system clock synchronization, it quickly becomes impossible to correlate data from multiple system sources, which in turn makes it extremely difficult to understand transaction flow, pinpoint bottlenecks, and resolve problems. NonStop Time Synchronization addresses these issues by providing a robust and reliable mechanism for maintaining synchronization between system clocks in your enterprise network. It provides a low-cost solution to your time synchronization needs for many types of Integrity NonStop server configurations. Available for Integrity NonStop, NonStop S-series, Linux, and Microsoft® Windows® systems, this package allows you to choose a time source and keep your system clocks synchronized throughout your business, with support for NTP time sources in addition to NonStop Time Synchronization servers.

>> [See the NonStop Time Synchronization data sheet and presentation](#) and [listen to the archived Customer Conference Call presentation \(May 3, 2007\)](#).

Vladivostok telecom goes convergent

Vladivostok-based New Telephone Company (NTC) is one of Russia's ten largest and fastest growing telecommunications companies. In 2006 alone, it increased its customer base by 59 percent. The company's high rate of subscriber acquisition, sustained business growth, and its customers' higher reliability expectations required a greater degree of convergence. To meet these needs, NTC upgraded its NonStop server-based Convergent Business Operations Support System (CBOSS) solution to full convergence, implementing the CBOSSrtb real-time service billing and control system.

NTC's end-to-end solution provides real-time control over provisioning of any service in any network and enables convergence of data and payments for both pre- and post-paid subscribers. Response time is less than 100 microseconds, which guarantees high revenues and supports elimination of subscriber debt. Reliability is another key benefit for uninterruptible service provisioning. NTC has complete migration of its 540,000 subscriber data to the real-time billing system, quickly and without service interruption.

>> [Read more.](#)

Spice Nepal scales up to manage subscriber growth

Spice Nepal Private Ltd (SNPL), the country's first privately owned mobile operator, jumped from 0 to 650,000 subscribers in the first 18 months of operation. The company, headquartered in Kathmandu, is now on the verge of reaching one million customers. The explosive growth of its subscriber base required that SNPL scale up its IT solution. To

NonStop RDF 1.8 performance and manageability improvements

HP continues to improve NonStop Remote Database Facility (NonStop RDF) software with increased performance and greater flexibility options. Release 1.8 features overall performance improvements and conversion of selected object code to native mode for Integrity NonStop servers. To provide easier manageability with NonStop SQL/MX, friendlier ANSI names in event messages are now supported, as is greater flexibility with subvolume naming. With NonStop RDF 1.8 for Integrity NonStop servers, many of the software's code objects have been converted to native mode, enabling much faster processing. In addition, NonStop RDF software's extractor/receiver processes now support 56k buffers, and the updaters have a new infrastructure to support 56k disk process transfers. Most important, NonStop RDF 1.8 has been tested for better operability with G-series (primary) to H-series (target) replication when using the new NonStop RDF 1.7 (ABO) SPR.

>> [Read more.](#)

Partner News

***Availability Digest* reviews active-active data center**

October's *Availability Digest* issue introduces an active-active NonStop data center with a successful record for rapid failover. Also mentioned are parallel and sequential repair strategies for active-active systems, a classic treatise on distributed architectures, and why on-demand software with two 9s of availability may not be so "on-demand." The Digest is free online. www.availabilitydigest.com.

Bowden Systems NTP update and time synchronization presentation

Would you like to know more about how Network Time Protocol (NTP) software really works? Bowden Systems offers a full explanation in a presentation first given at ITUG Europe 2007 and [now available on the ITUGLIB \(search for "Time Synchronization for HP NonStop"](#). Bowden Systems has also updated its SNTP and NTP software to resolve incorrect super group user ID information. Visit www.bsi2.com or www.itug.org for more information.

comForte CSL connects NonStop applications to SAP NetWeaver XI

comForte CSL XI, a fully functional SAP NetWeaver XI Adapter, is now certified by SAP. Based on comForte's Client Server Link (CSL) middleware, CSL XI enables software applications running under the control of Pathway with NonStop TS/MP software to communicate with external parties connected to the SAP NetWeaver XI. See [more information online](#).

that end, the mobile operator is using an end-to-end convergent IT solution from CBOSS to automate its pre- and post-paid billing, customer care, interconnect settlements, network management, SMS- and USSD-based services, CRM, value-added services, business intelligence, and dealer relationship management. The CBOSSrtb real-time billing system is based on the NonStop platform, which provides unsurpassed availability. Featuring unparalleled reliability and quality and supporting state-of-the-art services and attractive tariffs tailored to meet requirements of different market segments, the solution allowed SNPL to attract not only people who have never used telecommunications services but also subscribers of other telecommunication companies.

>> [Read more.](#)

General News

Rabobank selects HP Neoview for Business Intelligence

Netherlands-based Rabobank, which serves more than 9 million individuals and corporate clients in 38 countries, selected a solution based on HP Neoview, a next-generation data warehousing platform, as well as HP Services. The NonStop server-based solution, having already demonstrated improvements in performance and cost, is expected to accelerate Rabobank's business growth. "HP Neoview has exceeded our expectations in a joint proof of concept," said Rik Op den Brouw, senior executive vice president, Information and Communication Technology. "The first implementation expects to deliver 10 to 20 times the performance we had with

Recycle Bin for NonStop servers

OPTA-Recycle Bin from TANDsoft provides a safety net when deleting files. When files are deleted, OPTA-Recycle Bin automatically places the files in a Recycle Bin until you decide to permanently delete them. Files in the Recycle Bin can be undeleted or restored back to their original location. With OPTA-Recycle Bin, no application source code changes are required, and all native and nonnative programming languages are supported. [Find out more online.](#)

XYPRO supports single sign-on with LDAP

XYGATE User Authentication (XUA) uses LDAP technology to evaluate and then grant or deny logon requests, enabling single sign-on to NonStop servers with all the authentication advantages of LDAP. In the single sign-on schema, the users' passwords are maintained only within the LDAP database. [Read more.](#)

User Group News

ITUG announces ITUG Summit 2008

Building on the successful ITUG Summit 2007, presented in collaboration with HP Technology Forum & Expo, ITUG Summit 2008 will again be a collaborative event held in Las Vegas in June 2008. The Summit will feature high-quality Integrity NonStop training, technical education, networking, and vendor exhibition—and give attendees access to a larger breadth of HP enterprise technologies, solutions, and experts.

ITUG Summit 2008 at HP Technology Forum & Expo
June 16 – 19
Mandalay Bay Convention Center
Las Vegas, Nevada

Stay tuned for more information about the call for speakers, registration, and other event information. Send questions or comments to [ITUG Headquarters](#).

ITUG Europe 2007 shines with first Executive Finance Forum

Without doubt, the first Executive Finance Forum 2007—"Banking on the Global Electronic Society"—was the highlight of ITUG Europe 2007, held October 8–10 in Brighton, England (UK). Presented in conjunction with the ifs School of Finance, the Executive Finance Forum attracted attendees interested in how Web 2.0 technologies are creating a society largely interconnected by real-time networks and automation. Overall, ITUG Europe 2007, Europe's premier NonStop event, was a great success. A full wrap-up of the event will be available soon on the [ITUG website](#) and in the November issue of this newsletter.

competitive offerings." HP has also announced a new business intelligence solution that enables financial services organizations to better measure risk and improve compliance management processes. Based on HP Neoview and NonStop servers, the HP Enterprise Risk Management solution addresses all three pillars of Basel II and aids in the compliance of industry regulations such as Sarbanes-Oxley, International Accounting Standards, Anti-Money Laundering, and Know Your Customer. The HP Enterprise Risk Management solution was developed in collaboration with industry-leading business intelligence software partners Informatica, MicroStrategy, and Quadrant.

>> [Get more information about HP Neoview.](#)

HP's Opsware acquisition boosts data center automation

HP has completed its acquisition of Opsware Inc., the leader in data center automation, which is one of the fastest growing segments in IT operations. The deal combines Opsware's industry-leading IT automation offerings with HP Software's business and IT service management capabilities to boost HP's Business Technology Optimization (BTO) portfolio of enterprise IT management software. BTO is a category of software and services that enable chief information officers to enhance the value and optimize business outcomes from their IT investments.

>> [Go to the press release.](#)

Regional User Group updates

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

- » NENUG: The New England NonStop Users Group (NENUG) will hold a meeting on October 18 in Andover, Massachusetts.
- » MRTUG: The Midwest Region Tandem Users Group (MRTUG) will hold a meeting about Service-Oriented Architectures on October 24 in Downers Grove, Illinois. An Education Day (Introduction to OSS Programming Fundamentals for NonStop Servers) will be held in the same location on November 14. To register for this class, [send e-mail](#).
- » OTUG: The Ohio Tandem Users Group (OTUG) is hosting a Quick Integrity NonStop Application Migration Education Day on October 26 in Columbus, Ohio. To register, [send e-mail](#).
- » CTUG: The Canadian Tandem Users Group (CTUG) will hold its Fall Conference on October 30, followed by an Education Day on October 31. Keynote speakers at the Toronto event are Marty Edelman from Home Depot and Randy Meyer, HP Director of Product Management. [Register online](#).
- » GTUG: The German Tandem Users Group (GTUG) will hold two fall events in November, one on November 1 (details available soon) and the other on November 21–22 in Dortmund, Germany.
- » N2TUG: The North Texas, Oklahoma Tandem Users Group (N2TUG) will hold an Education Day (Introduction to Web Services for NonStop Server) on November 2 in Richardson, Texas. To register, [send e-mail](#).
- » MITUG: The Michigan Tandem Users Group (MITUG) will hold an Education Day on November 6 in Livonia, Michigan. To register, [send e-mail](#).
- » VNUG: The Viking NonStop Users Group (VNUG) will hold its Annual Meeting on November 7–8 on a cruise on the Baltic Sea from Stockholm to Helsinki.
- » SUNTUG: The Florida HP Technology User Group (SUNTUG) will hold an Education Day (Quick Integrity NonStop NS-Series Server Operations and Management for S-Series Operations Users) on November 16 in St. Petersburg, Florida. To register, [send e-mail](#).
- » BITUG: The British Isles HP NonStop Users Group (BITUG) will hold a Disaster Recovery SIG and AGM on November 28. More details will be available soon.

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

Education News

Upcoming Customer Conference Calls

The following one-hour webcasts, presented from 8:00 to 9:00 a.m. PDT (U.S.), are accessible over worldwide toll-free phone numbers for audio and use the HP Virtual Classroom (HPVC) for slide display.

- November 1
Topic: Virtual Tape Support (VTS) Technical Update
Presenter: Larry Mendoza
- December 6
Topic: NonStop Security Update
Presenter: Karen Copeland

>> [Sign up for conference call announcements, view upcoming presentations, or replay previous calls.](#)

Service and Support News

Support Notes, September 2007

>> [View NonStop technology Support Notes released during September 2007.](#)

Spotlight HP

New HP labs foster RFID adoption

Radio Frequency Identification (RFID) is a data collection technology that holds tremendous potential to improve operations by providing greater visibility into supply chains, from inventory and logistics to freshness dates. The technology can, in turn, help companies improve stock availability, reduce lost or stolen inventory, and deliver better customer service. In conjunction with the Southern Alberta Institute of Technology (SAIT), HP is opening the SAIT Radio Frequency Applications Development Lab (RAD) to advance RFID innovation and research. The new laboratory will provide faculty and students at SAIT with the facilities, services, and hands-on experience needed to design, develop, and test RFID solutions. The areas of application research will focus on the energy, agriculture, health, and manufacturing industries.

>> [Read more.](#)

Important Phone Numbers and Links

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

- » [Why Buy NonStop?](#)
Support for selling the NonStop value propositions to the executives in your company.
- » [NonStop news](#)
The very latest NonStop product news.
- » [Global Mission Critical Solution 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, and 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.
- » [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.
- » [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](#)
- » [Network & service providers](#)

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