

NonStop Computing Update: September 2005

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Welcome to the September 2005 edition of the *NonStop Computing Update*, a newsletter with information about HP Integrity NonStop and HP NonStop servers. This newsletter provides brief synopses, with hotlinks for additional information where appropriate.

To subscribe, or for comments or feedback, please send e-mail to [Sharon Wilkerson](#). Your comments, questions, and suggestions are always welcome.

NonStop computing news

1) RVU H06.03 for Integrity NonStop servers ships

With shipments starting on August 15, H06.03 is the first generally available Release Version Update (RVU) of the NonStop Operating System, Mission Critical Edition, supporting newly introduced Integrity NonStop servers. RVU H06.03 is required to run Integrity NonStop NS-16000 servers, available in dual modular redundant (DMR) or triple modular redundant (TMR) configurations. TMR provides the industry's highest availability for mission-critical applications. For the most part, RVU H06.03 is equivalent to RVU G06.26 of the NonStop operating system and provides application and full data compatibility with earlier NonStop systems in most cases. Get application compatibility and migration information as well as a [complete list](#) of product versions and software product revisions (SPRs).

2) NonStop SQL/MX Release 2.1.0 offers improved performance and quality

A new release of NonStop SQL/MX software is available now, providing from 15 to 30 percent performance improvements for Dynamic SQL applications, particularly those using the JDBC/MX Type 2 driver. Note that performance improvement expectations are based on internal tests; actual performance improvements are dependent on specific applications. Additional key features include

- Support for the EXTEND function in NonStop SQL/MP views and constraints accessed through NonStop SQL/MX software
- Support for the CURRENT function in NonStop SQL/MP views and constraints accessed through NonStop SQL/MX software
- NSM/web
 - Support to alter NonStop SQL/MX object definitions

- Support to set CQDs and control table values for NonStop SQL/MX Connectivity Services (MXCS)
- Approximately 80 general maintenance fixes

This release of NonStop SQL software applies to both the NonStop SQL/MP and NonStop SQL/MX tables packages. Refer to the Master Softdoc (T0650 ABU) for more details. Find more [information](#) about relevant Support Notes and ordering information.

3) NonStop JDBC Type 4 driver Update 2 available now

Update 2 of the NonStop JDBC Type 4 driver provides high-performing and scalable direct connectivity between a remote Java™ application and NonStop SQL/MX databases. Enhanced features include statement and connection pooling, ability to call a stored procedure written in Java, and thread-safe nonblocking behavior. The Type 4 driver, available now, is compliant with the JDBC 3.0 specification and works with platforms that support JDK1.4.1 or later (for a complete list of tested platforms, refer to product documentation). It is tightly integrated with the NonStop SQL/MX database to offer a highly available and scalable connectivity solution for NonStop technology environments. Update 2 provides support for Large Objects (BLOB/CLOB), improved logging and tracing, enhancements in performance, internationalization (I18n), and Unicode support. This release provides direct connectivity between a remote Java application and NonStop SQL/MX software with MP or MX tables. See ordering [information](#), and the product [Support Note S05066](#).

4) HP Technology Forum 2005 rescheduled

In light of the damage caused by Hurricane Katrina, the HP Technology Forum, originally planned for September 12–15 in New Orleans, has been rescheduled. The event will now take place October 17–20 at the Orange County Convention Center, Orlando, Florida. The Forum will go forward with the same elements: technical training sessions, hands-on labs, Technology Exchange, and HP Solutions Showcase. See more [information](#) about of hotel reservations, airline tickets, and rental cars.

5) NonStop and SimDesk solution finalist for LinuxWorld Product Excellence Award

The NonStop and SimDesk Open Source Solution was selected as a finalist for the LinuxWorld Product Excellence Awards in the Utility Computing category. HP now offers more than 200 open source tools, utilities, libraries, and packages that have been ported to the Integrity NonStop server platform. See [information](#) about pre-ported software and HP's computing resources for the open source community.

6) HP to donate NonStop servers to universities to enhance Linux technology

Martin Fink, vice president and general manager of the NonStop Enterprise Division and the Open Source and Linux Division, announced in August at the LinuxWorld Conference and Expo in San Francisco that [HP will donate](#) a collection of its NonStop servers to universities and will share intellectual property and knowledge in order to enhance the Linux kernel and contribute code to the Open Source community. "We're going to donate a collection of NonStop servers to premier universities around the world," Fink said. "With the help of these universities, we will be able to see interesting new capabilities in the Linux kernel and the Linux technology used every day." Fink also announced that HP

has moved 200 Open Source packages to the NonStop operating environment. By the end of this year, that number should reach 500. Programs include the Apache Web server, the Samba print and file server, the Zope content management system, and the Jabber blogging system.

7) Compendium of Success for Integrity NonStop servers available now

NonStop technology has played a major role in the success of leading enterprises for a long time. The newly released [*Compendium of Success for Intel® Itanium® 2 Processor based HP Integrity NonStop servers*](#) includes new information about featured customers and solution partners, analysts perspectives, as well as customer successes in the telecommunication, financial services, healthcare, and travel industries.

Find out more about how [Integrity NonStop servers](#) offer the highest levels of service of any platform in their class—extending the framework for the Adaptive Enterprise.

General news

8) HP's vendor rating upgraded by leading technology analyst firm

HP has been [upgraded](#) to a "positive" overall vendor rating by technology analyst firm, Gartner, Inc., in its 2005 Vendor Rating report. Published annually, Gartner's Vendor Rating reports evaluate information technology vendors based on specific criteria related to corporate viability, market offerings, and customer service and support. Vendor Rating research is a qualitative evaluation of a vendor as a whole, not just on its position within a single market. Gartner upgraded HP to "positive," from an overall "promising" rating in 2004. HP's overall technology and methodology were rated "strong positive."

9) HP ranked first for distributed system management software

According to a recent IDC study, HP [led](#) the worldwide distributed system management software market category in 2004 with 13.3 percent revenue share. HP's revenue grew 14.9 percent in this market for 2004, outpacing the overall one-year growth of 8 percent for the category and nearly doubling the revenue growth of each of the next three closest competitors.

Partner news

10) Register now for the fourth annual NonStop Partner Summit, October 23

The fourth annual NonStop Partner Summit will be held on October 23, directly preceding the [ITUG Summit 2005](#) conference. Both events will take place at the San Jose McEnery Convention Center in San Jose, California. Don't miss this opportunity to meet Martin Fink, the new vice president and general manager of the NonStop Enterprise Division and the Open Source and Linux Organization. Find more information and [register](#) for this event.

11) comForte announces opening of U.S. subsidiary

[comForte](#), a leading provider of encryption and communication software for the NonStop platform, has

founded a U.S.-based subsidiary to better serve the North American marketplace. comForte Inc., with offices in New Jersey, will bring the company's skilled resources closer to its U.S. customers and prospects. The role of the new subsidiary will be to help customers test and implement comForte's broad product range for accessing, Web-enabling, integrating, and securing NonStop servers, as well as to ensure fast and continuous support. "The tremendous success of our solutions has shown that we are addressing crucial requirements for NonStop server customers," said Michael Rossbach, comForte CEO. "Opening an office in the United States allows us to bring these solutions closer to the American NonStop server customer base, and we look forward to establishing a stronger U.S. presence in this way."

12) Crystal Point helps U.S. Air Force to Web enable a NonStop application

[Read](#) how the United States Air Force Web enabled its NonStop application using incremental development and migration to Java software using Crystal Point's legacy modernization product, AppViewXS.

13) GreenHouse's PWQASEEP now allows up to 1,000 sets of password rules

GreenHouse has enhanced its Password Quality Security Event Exit Process (PWQASEEP) product to allow up to 1,000 different sets of user-specific password quality rules. With the enhanced product, operations staff can now specify one set of password quality rules for the SUPER group, for example, whose rules are different from those of all other system users. Customized password quality rules can also be created for many other groups. For example, a group using BASE24 software can employ its own password quality rules, which may require tighter security than those used by other groups. The enhanced PWQASEEP product also offers easy rule management features, including extended wildcards for user names. In addition, all configuration files are automatically re-read when changed, so it is unnecessary to restart PWQASEEP software when changes are made. For more information about these latest PWQASEEP features, contact info@GreenHouse.de.

14) Insession to help SHAZAM with performance management solutions

[SHAZAM](#), the sixth largest EFT network in the United States, has recently made a transition to the NonStop platform and taken full advantage of Insession Technologies and its performance management solutions to integrate NonStop servers into its SNA networking environment. Always looking to improve operations, SHAZAM has purchased six solutions from Insession Technologies to date.

15) TapeLabs announces Virtual TapeServer certification for Integrity NonStop servers

Tape Laboratories announces that the Virtual TapeServer is now certified for use on Integrity NonStop servers. The recently announced servers use industry-standard Fibre Channel interfaces for connectivity to external resources such as disk and tape devices. TapeLabs completed certification of its Virtual TapeServer for use with Integrity NonStop servers in three different connectivity schemes: direct connect to the Integrity NonStop server, through a NonStop S-series server I/O enclosure, and through the M8201 Fibre Channel-to-SCSI router solution. Virtual TapeServer is sold and supported by HP. For more information, contact [TapeLabs](#) or call +1 (310) 577 1700.

16) TIC software tool helps Vancouver Coastal Health application deployment

TIC has released an automated configuration tool to facilitate deployment of IDX Carecast workstations. The Auto Config Tool runs on the desktop and interfaces with the NonStop system to extract needed IDX configuration information used to generate the LWJ configuration file for the workstation. By using the Auto Config Tool, the manual process of retrieving and setting up the information for each workstation is eliminated. This translates into savings of time and effort, especially for installations with a large number of users. Vancouver Coastal Health (VCH), an early adopter of the Auto Config Tool, has found it to be extremely useful in recent deployment efforts. Bruce Reeves, VCH regional manager for Technical Services, stated, “The Auto Config Tool has helped make our deployment successful, and saved us time and resources. With over 3,500 workstations to configure, TIC’s automated solution was invaluable in allowing us to complete the setup in days. Manual configuration of that many systems could have taken weeks.” For more information about the Auto Config Tool, contact [Sales Support](#).

17) Transacty secures NonStop server access with comForte’s MR-Win6530

[Transacty Slovakia](#), the leading third-party electronic payment processor in Slovakia, completed migration to comForte’s MR-Win6530 terminal emulation package for user access to its NonStop servers. As encrypted Telnet sessions became mandatory, MR-Win6530, with its built-in SSL capabilities, provided an easy means of fulfilling the security requirements. As a result, the complete user base was converted from other emulators to MR-Win6530. “The migration was quite easy,” said Peter Sabo, system specialist at Transacty. “My colleagues grew accustomed to differences in just a few days.” According to Sabo, MR-Win6530 offers a lot of other advantages beyond security. “You can organize your workspace exactly the way you want to,” he said. “In addition, the inline command editor...helps me enter and change commands more quickly.” Sabo concluded, “If you would like to make your work on NonStop systems much easier and quicker, and if you need to secure your data, use the secure version of this user-friendly Telnet client.”

18) TSI introduces a scalable tape library on Integrity NonStop servers

Tributary Systems Inc. (TSI) announces the immediate availability of the native Fibre Channel StorageTek SL500 tape library for Integrity NonStop servers. The LTO-based library starts with a two-tape drive, 30-user cartridge configuration, and can scale up to 18 tape drives and more than 500 user cartridges with modular add-ons in one industry-standard 19-inch rack. The Integrity NonStop server is supported with directly attached LTO Gen3 FC drives, giving the base library a native capacity of 12 terabytes and a compressed capacity of 24 terabytes. The library's native capacity scales to more than 200 terabytes. For additional information about this new library, contact [Larry Meyers](#), TSI, or call +1 (817) 354 8009, ext. 32.

19) USA announces Spooler Mate, a new addition to File Archive Mate (FAM)

USA announces the release of Spooler Mate, a FAM spooler archive option that enables NonStop server users to

- Archive spooler jobs to disk
- Restore saved spooler jobs from disk back into the spooler

- Manage spooler jobs via a state-of-the-art GUI front end

This new product provides a robust front-end interface that allows users to employ Peruse and Spoolcom commands to display jobs; view reports; and delete, save, print, or rename jobs. Spooler Mate means no more print spooler jobs will be lost because operations personnel have drained the spooler, often without any notice. Files are securely written to disk and easily restorable. FAM and Spooler Mate have been architected and coded from scratch to be “state of the art,” making it possible for USA to respond quickly to market demands for enhanced capabilities. USA is the Exclusive Worldwide Distributor of Spooler Mate. For more information, contact [Unlimited Software Associates](#) or call +1 (610) 296 2633.

20) XYPRO Technology completes port to Integrity NonStop server

[XYPRO Technology](#) announces completion of porting the entire XYGATE Suite of Security and Access Control software to the new Integrity NonStop server environment. XYPRO has been working closely with both HP, as a member of Club NSAA, and its clients—many of whom are early adopters of the Integrity NonStop server. “XYPRO had to be ready when our customers were and we're proud to say we met our goal,” noted Lisa Partridge, XYPRO vice president of Sales and Marketing. “We went back to HP with one or two issues and they were addressed in a timely manner. Overall, the process has gone very well.” Existing XYGATE users can download the latest version of the XYGATE software as they would any update.

User group news

21) Register now for ITUG Summit 2005, October 23–27, San Jose

Register now for [ITUG Summit 2005](#), October 23–27, in San Jose, California—the largest, most comprehensive technical training event focused on NonStop technology. ITUG Summit 2005 will again feature a carefully crafted Leaders Day, a one-day program that fosters dialogue among a small group of customer and HP executives. This year’s theme is Architecting the Real-Time Business. At ITUG Summit 2005, attendees can

- Hear from a distinguished lineup of key NonStop system users as well as senior HP executives, including Ann Livermore, Scott Stallard, Martin Fink, and Jim Murphy
- Listen to Kirk Skaugen, general manager of the Server Platforms Group at Intel, discuss the relationship between HP and Intel
- Learn more about the recently announced Integrity NonStop server
- Choose from more than 180 technical sessions focused on NonStop technology
- Attend the HP Certified Professional program exam overview sessions and testing center (free to registered conference attendees)
- Participate in special interest group (SIG) sessions
- Visit the Exhibition: Products and Solutions Showcase to view NonStop products, solutions, and services from HP and more than 50 partners
- Take advantage of numerous networking opportunities

The conference will be preceded by

- TechConnect
- Optional, preconference educational seminars (October 22–23)
- NonStop Partner Summit (October 23)

22) Call for customer presentations, ITUG Summit 2005

ITUG continues to seek NonStop customers to share positive NonStop system experiences by presenting a case study, migration tips, or some other related topic. User speakers receive complimentary ITUG Summit 2005 registration, including access to all conference activities, scheduled meals, and social functions (a US\$1,525 value). NonStop users should hurry to submit abstracts as only a few user sessions remain. The [Call for Speakers](#) form for NonStop system end users is available online.

Questions? Contact [Kelly Kranak](#).

23) Regional User Group updates

ITUG has more than 30 active Regional User Groups (RUGs) worldwide and numerous SIGs. Take a complete look at the [2005 ITUG calendar](#) for RUGs and SIGs.

- [ATUG](#): The Atlanta Tandem Users Group
- [BUG](#): The Boston Users Group
- [BITUG](#): The British Isles NonStop User Group
- [CTUG](#): The Canadian Tandem Users Group
- [DUST](#): The Desert Users of Tandem will hold a meeting on September 13 in Tempe, Arizona.
- [FINTUG](#): The Finnish regional Tandem Users Group
- [FTUG](#): The French Tandem Users Group will meet on September 15. More details will be available soon on the FTUG website.
- [GTUG](#): The German Tandem Users Group
- [HUG](#): The Houston User Group
- [INUG](#): The Iberian NonStop Users Group will hold a meeting on October 20 in Madrid that focuses on enterprise application integration.
- [InNUG](#): The India NonStop Users Group
- [KNUG](#): The Korean NonStop Users Group
- [LATUG](#): The Latin America Tandem User Group
- [MATUG](#): The Mid-Atlantic Tandem Users Group
- [MCTUG](#): The Mid-Continent Tandem Users Group
- [METUG](#): The Middle East Tandem Users Group
- [MiTUG](#): The Michigan Tandem Users Group
- [MRTUG](#): The Midwest Region Tandem Users Group
- [MSTUG](#): The Mid-Southern States NonStop Users Group

- [N2TUG](#): The North Texas and Oklahoma Tandem Users Group will meet on September 16 in Dallas, Texas.
- [NCTUG](#): The Northern California Tandem User Group
- [NRTUG](#): The Northeast Region Tandem Users Group
- [OTUG](#): The Ohio Tandem Users Group
- [OZTUG](#): The Australian Tandem Users Group
- [PNUTS](#): The Pacific Northwest Users of Tandem Systems
- [RMTUG](#): The Rocky Mountain Tandem Users Group
- [SATUG](#): The South African NonStop User Group
- [SCTUG](#): The Southern California Tandem Users' Group
- [SunTUG](#): The SunCoast NonStop Users Group
- [TUMS](#): The Tandem Users of Minneapolis/St. Paul
- [VNUG](#): The Viking NonStop User Group held a conference on August 30–31 in Sweden.

Education news

24) ITUG Summit Preconference Technical Seminars

[ITUG Summit 2005](#) attendees are encouraged to take advantage of the two technical seminars offered prior to the conference, on October 22 and 23. Whether you are a system manager, application developer, IT manager, or consultant, you will benefit from attending one or both of these intensive one-day sessions. They are more interactive than normal conference sessions and offer additional time to delve deeper into a specific topic and/or subtopics. Preconference technical seminars offer an ideal way to develop detailed knowledge on a given subject and gain new perspectives to solutions, while at the same time meeting and collaborating with NonStop server colleagues that share similar interests. Workshops are from 9:00 a.m. to 5:00 p.m. A single seminar is offered for US\$349. A two-day package that includes both sessions is available for US \$500.

Saturday seminar

- Integrity NonStop Application Migration
- NonStop Server Fundamentals
- NonStop SQL/MX Database Management
- Introduction to Securing NonStop Servers Using Safeguard

Sunday seminar

- Operations Management for NonStop S-Series Operations Users
- Integrity NonStop Runtime Architecture
- Introduction to OSS Programming Fundamentals for NonStop Servers
- Introduction for NonStop SQL/MX Query Analysis and Tuning

25) Customer ConCalls continue in September and October

Frequent [NonStop Customer Conference Calls](#) will continue during September and October to help customers understand the features and benefits of the new Integrity NonStop servers. These 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.

- September 15
The NonStop Advanced Architecture Value Proposition: Integrity NonStop Server Availability Compared to NonStop S-Series Server
Presenter: Bob Kossler
- October 6
JDBC and NonStop SQL/MX Middleware Overview
Java on Integrity NonStop Servers
Presenters: Mike Zivkovic and Jim Peters

The Customer Conference Call format allows plenty of time for questions. [Sign up](#) now to receive conference announcements, to view upcoming presentations and/or last minute changes, or to replay previous calls.

Service and support news

26) Support Notes, August 2005

Support Notes released by the NonStop Enterprise Division in August 2005 are listed below. For additional details, refer to the corresponding [Support Note number](#):

- TNS/R CRE HEAP Manager migration considerations (Support Note S02001A)
- Correctable memory errors and PMF replacements (Support Note S03045A)
- First customer ship (FCS) note for Enterprise Toolkit—NonStop Edition cross-compilers Update 10 (Support Note S05047B)
- Integrity NonStop M8001-16 and M8001-32 servers (Diablo) power supply and IOAME (I/O Module) (Support Note S05069A)
- FCS note for HP Web ViewPoint for Pathway Version 1, Update 1 (Support Note S05077)
- FCS note for independent products available for RVU H06.03 for Integrity NonStop servers (Support Note S05079A)
- FCS note for RVU H06.03.00 for Integrity NonStop servers (Support Note S05080)
- FCS note for NonStop System Console (NSC) Installer CD (S7X-SWV1/HNSC-SWV1 Update 6) (Support Note S05081)
- Publications for Independent Products (IP) discontinued on CDs; continued availability online in the NonStop Technical Library (NTL) and on NonStop Technical Library CD/DVD disc. (Support Note S05082)
- FCS note for NonStop Remote Server Call/MP (NonStop RSC/MP) 7.2 software for NonStop S-series servers (Support Note S05084)

- FCS note for NonStop Server for Java 4.0, Update 8 (Support Note S05085)

Fun stuff

27) Looking back in *TIME*

Early last year, HP set out to [digitize the entire 80-year print run](#) of *TIME* magazine, one of the world's most widely read publications. The idea was to automate the process as much as possible, going far beyond what had previously been achieved in the field. In both technical and organizational terms, the job presented an enormously complex challenge. The archive was not only physically huge—running to more than half a million pages—it also changed in character over time, making the material to be digitized something of a moving target. To accomplish the task, HP forged an unusual collaboration between its Consulting and Integration (C&I) group and HP Labs in an undertaking that required both groups to go beyond their usual areas of strength and put everyone under intense pressure to deliver. By the end of the year, however, through a mixture of technological innovation and disciplined process management, the *TIME* team had processed the entire archive with almost 100 percent accuracy. The resulting collection, housed at [TIME.com](#), provides a vast online record of history in the making from 1923 to today.

28) Retrospect: Melbourne to Imola

The start of the new season turned out to be eventful for the [BMW WilliamsF1 Team](#). In Melbourne, a collision forced Nick Heidfeld into retiring early in the race, while Mark Webber demonstrated his skills by qualifying third and finishing fifth, thus scoring the first points of the new season for the Anglo-German partnership. In Malaysia however, it was Nick Heidfeld who secured the team's first podium finish of 2005. While his teammate had to retire, Nick delivered in fine style in the Malaysian heat by finishing third. In the third round of the season, the BMW WilliamsF1 Team scored points for the third consecutive time. This time, Mark finished sixth while Nick had to retire. The San Marino Grand Prix, held at Imola, represented Formula One's return to Europe. For the first time this season, both BMW WilliamsF1 Team drivers succeeded in scoring points. Mark finished sixth, with Nick coming home seventh.

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.
- [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](#)
- [HP alternatives for legacy mainframes/Mainframe Transition Tool Matrix](#)
- [ITUG](#), a user group for the NonStop server community: +1 (312) 321 6851
- [NonStop Services & support](#)
- [Network & service providers](#)

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