

# NonStop Computing Update

## July 2004

Welcome to the July 2004 edition of the *NonStop Computing Update*, a newsletter with information on HP NonStop servers. This newsletter provides brief synopses, with hotlinks for additional information where appropriate.

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## NONSTOP SERVER NEWS

- 1) HP announces NonStop S7800 and S78 servers

HP is pleased to announce new servers for the midrange and entry-level markets. The NonStop S7800 server is intended for midrange-level applications that require high levels of availability, scalability, and data integrity. This server addresses application growth requirements by delivering 30 percent better performance than the previous generation NonStop S7600 server. The NonStop S78 server is the newest server for entry-level applications and is available only in a two-processor configuration with a NonStop S700 software license. The NonStop S78 server uses the NonStop S7800 processor multifunction (PMF) customer replaceable unit (CRU) and is intended for entry-level applications that require high availability and data integrity but not scalability. Both the NonStop S7800 and S78 servers require Release Version Update (RVU) G06.16 or later of the NonStop Kernel operating system. For further details, visit

<http://h71033.www7.hp.com/object/S7800S78XNW.html>.

- 2) Support note details SPRs for NonStop S7800 and S78 server support

The new NonStop S7800 and S78 servers will be usable to any customer running RVUs G06.16 to G06.23, inclusive. A support note has been created that details the specific software product revisions (SPRs) required to properly support NonStop S7800 and S78 servers with these RVUs. For further information, see Support Note S04066 at

<https://onepoint.nonstop.compaq.com/buildpage.asp>.

- 3) RVU G06.23 now available

G06.23 is a generally available RVU that supports NonStop S-series servers. It cannot be run on NonStop K-series servers. Highlights of this RVU include the following new or enhanced functions in addition to defect repair:

- NonStop S7800 and S78 server support
- 5242 DAT 72 tape drive support
- NonStop SQL/MX Release 2.0 software
- COBOL85
- Increased Destination Control Table (DCT) entries (refer to Support Note S03123A)

- Backup/Restore for NonStop Transaction Management Facility (NonStop TMF) audit files
- Path probing in I/O drivers
- HP Measure software
- NonStop SQL/MP CI Load
- WAN Wizard Pro support for IPv6 with Logical Network Partitions (LNP)

G06.23 technical publications and release documentation are available in the NonStop Technical Library. Browser based and built on Internet standards, the NonStop Technical Library replaces the Total Information Manager (TIM). From the library home page, navigate to "G06 RVUs > G06.23" to access the G06.23 publications and softdocs. For further information, see Support Note S04055 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

#### 4) G06.23 publications now available in NonStop Technical Library

Publications for RVU G06.23 are now available in the NonStop Technical Library. Subscribers will receive disks containing G06.23 publications (including G06.23 softdocs), the latest Independent Product documentation, and the latest support content. For further information, see Support Note S04060 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

#### 5) NonStop System Console installer CD update 2 now available

NonStop System Console (NSC) installer CD (product ID S7X-SWV1) update 2 is now available to order. This version of the console CD is compatible with Microsoft® Windows® 2000 Professional and Windows XP Professional operating systems. Open System Management (OSM) is installed as the default manageability product and requires 256 megabytes of memory. Windows XP Professional is the default operating system. The new release of OSM contains defect repair and the following new enhancements:

- Support for NonStop S7800 and S78 servers
- DAT 72 tape drive support
- Dial-out suppression support
- Duplicate Summary View support in OSM Event Viewer
- Ability to save event logs in HTML format
- Reload and no-switch support in Guided Procedures

As of RVU G06.21, customers must order an upgrade package for an existing NSC or purchase a new bundle (S7X-NSC4) to become licensed for the new NSC software suite. Once licensed, customers are entitled to free upgrades to the NSC installer CD. For further information, see Support Note S04056 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

#### 6) NonStop RSC/MP Release 7.0 Demo Update 11 CD now available

The NonStop Remote Server Call/MP (RSC/MP) Release 7.0 Demo Update 11 CD includes the following components:

- Demo host
- 32-bit Windows client
- Demo key

The demo key has been updated and the contents are based on the newer version of the software. This release contains the demo host Transaction Delivery Process (TDP), which must be activated by supplying the new RSC demo key at TDP

startup time. The demo key expiration date is set to November 30, 2004. This product is provided for use as a demonstration tool only. It may not be used in a production environment. This update has been qualified to run on D38, D45, or G06 and later releases of the NonStop Kernel operating system. For further details, view Support Note S04050 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

#### 7) NonStop RDF/ZLT, RDF/IMP, and RDF/IMPX products now available

NonStop Remote Database Facility/Zero Lost Transactions (RDF/ZLT) is one of three products that will be shipped with NonStop RDF Release 1.6 software. NonStop RDF/ZLT is a new product with a new product ID, but it shares the same base code as the other two existing NonStop RDF products, NonStop RDF/IMP and NonStop RDF/IMPX. NonStop RDF/ZLT is an add-on product that must be purchased in addition to NonStop RDF/IMPX. For release 1.6, NonStop RDF/ZLT will be a Controlled Availability product, whereas NonStop RDF/IMP and NonStop RDF/IMPX will be General Availability products. For details on new features in release 1.6, view Support Note S04052 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

#### 8) Native C/C++ and COBOL cross-compilers update 7 now available

Native C/C++ and COBOL cross-compilers update 7 are available to order as Independent Products. These compilers are components of the HP Enterprise Toolkit—NonStop Edition product family and can be used on the Windows command line. This update, available through Scout in CD media only, is not available for download. For further information, see Support Note S04053 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

#### 9) NonStop Server for Java 4.0 software update 4 now available

NonStop Server for Java 4.0 software provides an enterprise-class environment that allows users to run standard Java applications on NonStop servers. NonStop Server for Java 4.0 software is a certified implementation of the Java 2 Platform, Standard Edition (J2SE) software development kit (SDK) 1.4.1. This update for NonStop Server for Java 4.0 is a reissue of the contents of the update 3 product CD and contains the most current, generally available SPRs for NonStop Server for Java 4.0 (AAC), the Java Database Connectivity (JDBC) Driver for NonStop SQL/MX Release 1.8.5 (T1225V30 AAE) and the JDBC Driver for NonStop SQL/MP (T1227V30 AAD). In addition, this update adds to the product CD a new product version (T1225V31) JDBC Driver for NonStop SQL/MX Release 2.0. For further details, see Support Note S04062 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

## SUCCESS STORIES

#### 10) Sabre flies to open systems

A May 31 *Computerworld* article by Gary H. Anthes reports, "Sabre Holdings Corp., the air-travel software company, has an ambitious set of objectives for the remake of its 'shopping engine,' a 25-year-old mainframe application with 10 million lines of

assembler code that processes more transactions per second than the New York Stock Exchange. . . . Sabre's new [Air Travel Shopping Engine] architecture is based on the processing characteristics and reliability requirements of its major functions, with three modules connected by a LAN. A front-end rules engine on 16 two-way Hewlett-Packard Co. servers [running the Linux operating system] acts as a master controller for the system, coordinating services and I/O across the LAN. The master database, or 'database of record,' sits on 17 fault-tolerant 16-CPU HP NonStop S86000 servers. That's where pricing occurs. Each of the 272 processors has 4 GB of memory and runs the NonStop Kernel operating system under the . . . Open System Services layer." Read the full article at <http://www.computerworld.com/managementtopics/management/project/story/0,10801,93455,00.html?nas=AM-93455>

#### 11) Virtual TapeServer reduces customer's backup window and tape use

This story features a TapeLabs customer, one of the world's largest providers of securities processing products and services. The company, which processes more than 600,000 securities transactions every day in a mixed NonStop, UNIX®, and Windows operating system environment, was finding backups challenging. In addition, it must accommodate an SEC requirement for archiving customer data (called Blue Sheets) over several years. Consequently, the company's tape environment requires vast quantities of data cartridges, a large and competent operations staff, and considerable expense to keep the environment running 24 hours a day, 7 days a week. Because of the cost, stress, and sheer significance of the data, this company sought an alternative solution to its manual tape processing and contacted TapeLabs, which analyzed the situation and made several recommendations. The company chose to install several Virtual TapeServer appliances to manage all of its NonStop and UNIX system backups. TapeLabs and the customer team cooperated in integrating the appliances, enabling the virtual tape connections, writing automated scripts, testing the solution, and putting the appliances into service. With very little change to the customer's environment, Virtual TapeServer went into full production. Virtual TapeServer immediately cut the backup window by 66 percent, and physical tape operations now occur only once per day. Read the complete story at <http://www.tapelabs.com/images/Virtual%20TapeServer%20Case%20Study.pdf>.

#### 12) Making emergency 911 services stand the test of time

A June 17 *TelephonyOnline.com* article by David Oberto, director of systems engineering at Intrado, relates how an emergency 911 service provider used EscortSQL from Carr Scott Software to successfully migrate its applications from Enscribe to NonStop SQL software. Intrado is the leading provider of emergency 911 services in the United States. According to Stephen Meer, chief technology officer at Intrado, "A key requirement was to change the legacy application database without interrupting services or introducing extraordinary risk. Secondly, system performance had to be enhanced without new hardware or overly complex software change.' The two requirements eliminated any kind of big-bang approach to transitioning. However, EscortSQL from Carr Scott Software afforded another approach that was immediately appealing as initial testing confirmed. . . . First stage benchmarking was completed in five days. The next stage, implementation, was accomplished in about two months using existing hardware and without touching the E-911 application source code. During a third stage lasting several years, services operated using EscortSQL to support the mix of SQL-based services with some legacy Enscribe. During that time the software development

group wrote dozens of new emergency service applications.” Read the entire article at

[http://telephonyonline.com/ar/telecom\\_making\\_services\\_stand/index.htm](http://telephonyonline.com/ar/telecom_making_services_stand/index.htm).

Visit the Intrado website at

<http://www.intrado.com>.

To learn more about EscortSQL from Carr Scott, visit

<http://www.carrscott.com/sql.shtml>.

### 13) TIC Report.Web product Web enables IDX reports

Serving southwestern Connecticut, St. Vincent’s Medical Center maintains its vast amounts of clinical and financial data on a NonStop server using Carecast, an integrated clinical and financial software package from IDX, and Report.Web from Transaction Innovation Corporation (TIC) for report generation, remote access, and data archiving. “With the TIC solution, we’ve found a better way to streamline our information flow to better serve our staff, affiliated doctors, and ultimately our patients, while also saving time and money. It’s a win-win for everyone,” states Jack Sciongay, NonStop system administrator at St. Vincent’s Medical Center.

[http://www.ticsoftware.com/success\\_STVincent.html](http://www.ticsoftware.com/success_STVincent.html)

Additional information on TIC’s Report.Web is available at

<http://www.ticsoftware.com/REPORTWEB.HTML>.

## GENERAL NEWS

### 14) HP earns kudos for recycling program, legislative support

HP ranked number one on the Computer TakeBack Campaign (CTBC) 2004 annual report card for corporate “greenliness,” highlighting IT companies’ efforts to decrease environmental implications of PC wastes by reducing lead solder and promoting easier computer recycling. HP finished with a top score of 54.5 out of a possible 100. Second on the list was Dell (52.5), followed by NEC (49.5), IBM (47.5), Sony (42.5), Toshiba (40), Apple (37), Philips (34.5), and Lexmark (32). Emachines, Gateway, Fujitsu, Hitachi, and Sun were among the companies to receive a score of zero. HP was also honored with the CTBC “Going the Extra Mile Award” for its active support of state legislative efforts in Maine and Minnesota to require brand owners and producers of computers and consumer electronics to bear financial responsibility for the collection and safe recycling of their products.

[http://www.computertakeback.com/news\\_and\\_resources/pr\\_2004\\_report\\_card.cfm](http://www.computertakeback.com/news_and_resources/pr_2004_report_card.cfm)

### 15) HP researchers lauded for security innovations

A June 2 *ZDNET UK* article by Rupert Goodwins reports, “As security threats increase, HP’s researchers concentrate on management and active countermeasures. Despite IT’s image of being invented by wild-eyed loners in pizza-fuelled bedroom frenzies, by far the greater part of research and development takes place in well organised laboratories staffed by teams who can easily pass for normal human beings. A good example of this approach to R&D can be found in Bristol, where HP has one of its most significant research efforts. . . .

One technology that HP has developed is Active Countermeasures, where the company scans for and uses security holes to deploy its own payload to vulnerable machines. This payload doesn’t propagate like a worm—it remains under the

control of the company's security policy—but can take the target machine off the network, if necessary. Before that, it warns the user to download a patch, or can restrict access to just email or a similar, safe subset of services. HP has used this idea since the Code Red worm hit in 2001.” Read the entire article at <http://comment.zdnet.co.uk/rupertgoodwins/0,39020691,39156406,00.htm>.

#### 16) HP tops competitors in customer satisfaction survey

HP earned the number one ranking in customer satisfaction among vendors of corporate IT service and support, according to the newly released Technology Business Research study covering the first quarter of 2004. “Customers ranked HP as among the best-in-class vendors across all categories in our Corporate IT Service and Support survey, with special distinction in the category of phone support, where HP performed much better than its competitors,” said Julie Perron, manager of Primary Research, Technology Business Research Inc. “HP Services’ consistent performance with regard to phone support is impressive in an area where customers have become particularly demanding.” The study surveyed 688 midsize to large companies in North America, finding that HP ranked number one over competitors IBM and Dell based on the weighted satisfaction index, a measure of the total customer satisfaction experience with IT services. The study covers satisfaction with on-site support (break/fix), remote support services (phone and Web support), hardware deployment, software support, and training services. <http://www.hp.com/hpinfo/newsroom/press/2004/040624a.html>

### PARTNER NEWS

#### 17) Tributary Systems Inc. introduces NEO 8000 advanced tape library

The NEO 8000 tape library from Tributary Systems Inc. (TSI) is designed to support the demanding requirements of backup and restore operations on NonStop servers for enterprise customers. This library can be scaled from 85 to 500 cartridges and from 2 to 12 Super DLT or HP Ultrium LTO tape drives. The NEO 8000 is 35 to 50 percent more economical than competing products available and is based on the highly successful HP StorageWorks MSL and Overland Storage NEO product lines. For more information on the new NEO 8000 and TSI's other industry-leading storage solutions such as the TSI Virtual Tape Solution, contact TSI Sales at +1 (817) 354 8009 or visit <http://www.tributary.com>.

#### 18) IR announces PROGNOSIS integration with HP OpenView Operations

Software developer Integrated Research (IR) has announced integration of its PROGNOSIS suite of systems management software with HP OpenView, through the newly released PROGNOSIS Smart Plug In (SPI) for OpenView Operations. PROGNOSIS SPI for OpenView Operations features an agentless design that returns availability and performance metrics in real time, detecting and resolving problems with local automation. OpenView users can then correlate events enterprisewide and command PROGNOSIS SPI for OpenView Operations to action events on one or many servers instantaneously. Together, PROGNOSIS and OpenView Operations provide new capabilities that give organizations advanced monitoring and management of their total environment. Read the entire press release at

<http://news.ir.com/page.cfm?page=63912C50-06A8-45B8-A81A3EF4FFBA9311>.

#### 19) Rockliffe announces e-mail server technology for NonStop servers

Rockliffe is a developer of quality e-mail server, antispam, and secure e-mail software for enterprises, service providers, and small businesses. The company recently announced that its e-mail server technology will be available on NonStop servers. Rockliffe's SQL message store technology enables the filing, storage, search, and retrieval of large numbers of e-mail messages, including very large attached files. Continuous availability, scalability, and data integrity make the NonStop server an attractive platform for repositories such as very large e-mail message stores and e-mail archives. "Rockliffe has invested considerable time and expertise into developing an SQL-based e-mail message store for the NonStop server," says John Davies, Rockliffe president and CEO. "We are pleased to be able to license this to HP to enable them to further access new markets with the NonStop server." Read the May 7 press release at <http://www.it-director.com/article.php?articleid=11894>

#### 20) VersaTEST 4.0 offers new richer features

Insession Technologies and Ascort announce release 4.0 of VersaTEST, the powerful testing, simulation, and support environment. VersaTEST 4.0 highlights

- Enhanced development and operational ease of use
- Seamless interoperability between NonStop servers and other platforms

VersaTEST's core scripting language has been enhanced to enable more modular and reusable scripts to be developed. It gives the user even greater flexibility in how tests are created, deployed, and controlled. Inquiries can be e-mailed to [1provider@insession.com](mailto:1provider@insession.com). For more information, visit <http://www.insession.com/versatest>.

#### 21) NSK-SSL from Bowden Systems is available for HP Guardian environment

NSK-SSL V1.0 is the full port of the OpenSSL software to the HP Guardian environment. This software includes the OpenSSL application, RSA key generation, Triple DES encryption, and access to all of the Crypto and Secure Sockets Layer (SSL) application program interfaces (APIs). This software is appropriate for individuals who are developing applications on the Guardian platform that need encryption or SSL sessions. Bowden Systems can even offer methods and software to encrypt COBOL and TAL applications with few code changes. In most cases, C applications can migrate to the Guardian environment of the NonStop platform with little or no source code changes. Contact Bowden Systems with questions at [sales@bsi2.com](mailto:sales@bsi2.com) or visit <http://www.bsi2.com>.

#### 22) Bowden Systems NSK-SSH V1.8 update available

NSK-SSH V1.8 is an update to Bowden Systems' Secure Shell (SSH) software, which provides improved performance and multiple random number generator capability. The random number generator now can run under Pathway for improved reliability, and a system can have up to four random generators on one node. TCP/IP or PTCP/IP is used to access the random number generator to improve performance. NSK-SSH V1.8 supports all of the standard secure functions such as

sessions, copy, ftp, and tunneling. The secure tunneling can be used to secure any TCP/IP connection such as MQSeries connections. The default encryption level on SSH connections is 1024-bit RSA with Triple DES. Contact Bowden Systems with questions at [sales@bsi2.com](mailto:sales@bsi2.com) or visit <http://www.bsi2.com>.

#### 23) comForte brings IPv6 support to MR-Win6530, shown at Madrid conference

comForte has released version 6.6 of MR-Win6530, a fully featured terminal emulation package for NonStop servers that is used at more than 600 customer sites around the world. The new release of MR-Win6530, which was demonstrated at the ITUG conference in Madrid, supports IP version 6 (IPv6) to enable TN6530 access to the IPv6-enabled Telnet server included with NonStop TCP/IPv6 software. The MR-Win6530 upgrade, which will be available to all licensed customers without additional cost, is part of comForte's initiative to have its entire product set ready for IPv6 before the end of 2004. Additional information about MR-Win6530 is available at <http://www.comforte.com/win6530>.

#### 24) Unlimited Software Associates (USA) announces Client Server Link

Client Server Link (CLS) is a cost-effective replacement for current RSC middleware that features plug-and-play capabilities (no conversion efforts) and a free evaluation trial. CSL enables

- Windows system-based servers, Java clients, J2EE platforms, and .NET application servers to access Pathway servers on NonStop systems
- .NET platform—Pathway servers accessed with CSL COM API
- J2EE integration—CSL Resource Adapter adds comprehensive support of Java Connector Architecture (JCA) and Java Transaction APIs (JTA) for distributed transaction (XA) capabilities

For further information, send e-mail to [usasales@usahero.com](mailto:usasales@usahero.com). Combine CSL with other SSL component products from USA and benefit from a truly integrated, secure, cost-effective solution that preserves technology investment in existing RSC applications. Visit the USA website to browse the company's SSL products. <http://www.usahero.com/securecomm.html>

#### 25) GreenHouse announces update to shareware product, MyLogin

When users work with multiple 6530 windows, they typically have to log on to each window separately. GreenHouse has a shareware product called MyLogin that replaces all of the windows with a single sign-on feature. When users log on to their workstation, the information is shared by 6530 type windows with other programs, such as TACL, causing them to automatically log the user on to the NonStop system, too. GreenHouse has recently updated MyLogin. For product details, download the product and documentation from <http://www.greenhouse.de/shareware/mylogin.html>.

## USER GROUP NEWS

#### 26) Successful 2004 ITUG European Conference

Hosted by ITUG, the International HP NonStop User Group, the 2004 ITUG European Conference attracted nearly 500 members of the NonStop server community, representing 20 countries. The conference was held June 7–9 in Madrid, Spain, and featured keynote presentations by Rudi Schmickl, Scott Stallard, Neil Pringle, Pauline Nist, and Cesare Ubertone. Users, vendors, and NonStop specialists presented nearly 50 technical sessions focused on NonStop servers. The exhibit hall showcased NonStop products, solutions, and services as well as exhibits from about 20 partners and vendors. Conference proceedings are available from the 2004 ITUG European Conference website.

<http://www.itug.org/events/euro/2004/index.cfm>

#### 27) Register now for OZTUG 2004 Conference & Trade Show in July

Register now for OZTUG 2004 Conference & Trade Show, scheduled for July 26–27 in Sydney, Australia, at the Stamford Plaza Double Bay Hotel. This event is designed specifically to meet the needs of NonStop server users through the latest in technical education and peer-to-peer networking. Managed by ITUG, this conference provides attendees with a way to participate in their regional NonStop community while accessing the global knowledge of ITUG and HP. Technical sessions will be presented by local and overseas HP technical professionals, senior executives, business partners, and other users. Tracks include Business Solutions; Technical & Development; and Operations, Systems & Hardware. For up-to-date information and online registration, visit

<http://www.oztug.org/events/2004/>.

#### 28) Register now for ITUG Summit 2004 in October

Registration is now open for ITUG Summit 2004, which will be held October 3–7 at the San Jose Convention Center in California. Hosted by ITUG and fully endorsed and supported by HP, ITUG Summit is the most comprehensive educational event dedicated exclusively to NonStop server–related products, services, and advanced software and hardware solutions. The conference will feature HP executive speakers, technical sessions presented by NonStop server experts, and an exhibit hall showcasing NonStop products, solutions, and services as well as exhibits from more than 55 partners and vendors. New this year, the conference will feature an executive day as well as advanced technical presentations for users who need a deeper understanding of NonStop server operations. The conference will be preceded by optional preconference educational seminars and the HP Partner Summit.

<http://www.itug.org/events/summit/2004/>

#### 29) Call for speakers at ITUG Summit 2004

Customers and partners are encouraged to share positive NonStop system experiences by presenting case studies, migration tips, or other related topics at ITUG Summit 2004. Speakers receive complimentary ITUG Summit 2004 registration, including access to all conference activities, scheduled meals, and social functions. The Call for Speakers form is available online at

<http://www.itug.org/events/summit/2004/presentationform.cfm>.

#### 30) Southeastern Regional NonStop Roadshow, July 12–16

The ITUG Roadshow will visit four cities in the southeastern United States this summer. Attendees will have an opportunity to get the latest ITUG and HP updates and meet with partners to learn about the latest products and solutions.

- July 12–13: Memphis, Tennessee (MSTUG/ATUG)
- July 14: Dallas (N2TUG)
- July 15: Washington, D.C. area (MATUG)
- July 16: Tampa, Florida (SunTUG)

To register, visit

[http://www.itug.org/regions/se\\_roadshow.cfm](http://www.itug.org/regions/se_roadshow.cfm).

### 31) ITUG events calendar

ITUG has more than 30 active Regional User Groups (RUGs) worldwide and numerous Special Interest Groups (SIGs). For a complete look at the 2004 ITUG calendar for RUGs and SIGs, visit

<http://itug.org/regions/sig-rug-cal.cfm>.

### 32) Regional User Group updates

ATUG: The Atlanta Tandem Users Group

<http://www.itug.org/regions/atug/index.html>

BITUG: The British Isles NonStop User Group (meeting in Reading, England)

<http://www.bitug.com/>

CTUG: The Canadian Tandem Users Group held a spring technical session on Systems Management on June 24 in Toronto. Information about the event is available at the website.

<http://www.ctug.ca/>

DUST: The Desert USers of Tandem (meeting in Phoenix, Arizona) held a meeting for June 8. The meeting featured a presentation by Jim Tate of River Rock Software. The presentation focused on TheView, a set of tools that are graphical user interface (GUI) options for several widely used NonStop server utilities. For details, visit the DUST website at

<http://www.itug.org/regions/dust.cfm>.

FTUG: French Tandem Users Group (meeting in Paris)

<http://www.ftug.org/>

FINTUG: Finnish Tandem User Group

<http://h40128.www4.hp.com/services/eventcalendar/>

GTUG: The German Tandem Users Group held a conference May 11–12. For more information, visit the GTUG website at

<http://www.gtug.de/home.htm>.

HUG: Houston User Group

<http://itug.org/regions/hug.cfm>

INUG: The Iberian NonStop Users Group is revitalizing and needs help in the reformation. Users in Spain and Portugal are asked to fill out an online survey form. Anyone interested in getting involved can send e-mail to [itug-rugs@itug.org](mailto:itug-rugs@itug.org).

<http://www.itug.org/regions/inug.cfm>

LATUG: The Latin America Tandem Users Group serves NonStop product customers in Argentina, Bolivia, Brazil, Chile, Colombia, Mexico, Paraguay, Peru, Puerto Rico, Venezuela, and Uruguay. For more information, visit the LATUG website.

<http://itug.org/regions/latug.cfm>

MATUG: The Mid-Atlantic Tandem Users Group will hold its next meeting on July 15 at the AOL facilities in the Dulles/Reston area. The meeting, which is the third stop on the Southeastern Regional NonStop Roadshow, is free to attendees. The theme of the meeting is "Integrating Your HP Data." The following day, July 16, HP will deliver the free training seminar, "Developing Applications to Run in Open System Services (OSS)," also at the AOL facilities. To register for the training day, visit

<http://education.nonstop.compaq.com/us/news/matug0716.htm>.

For more information on MATUG and/or the July 15 meeting, visit

<http://www.iticsc.com/matug>.

MCTUG: The Mid-Continent Tandem Users Group held a meeting on June 9 and an HP Education Day on June 10. For details, check the MCTUG website at

<http://www.itug.org/regions/mctug.cfm>.

METUG: Middle East Tandem Users Group

<http://itug.org/regions/metug.cfm>

MSTUG: Mid-Southern States NonStop User Group

<http://www.itug.org/regions/mstug.cfm>

N2TUG: North Texas and Oklahoma Tandem Users Group

<http://itug.org/regions/n2tug.cfm>

NCTUG: Northern California Tandem User Group (meeting in Cupertino)

<http://www.zlemail.com/nctug/nctug.htm>

NRTUG: Northeast Region Tandem Users Group

<http://www.itug.org/regions/nrtug.cfm>

OZTUG: The Australian NonStop User Group (meeting in Sydney) will hold its annual conference and trade show July 26–27. For details, visit the OZTUG website at

<http://www.oztug.org/>.

PNUTS: The Pacific Northwest Users of Tandem Systems held a meeting on June 21 in Bellevue, Washington. The meeting presented the latest information on incorporating Intel® Itanium® processors into NonStop servers, and gave an overview of the NonStop Advanced Architecture. For details on the speakers and the meeting, visit the PNUTS website at

<http://itug.org/regions/pnuts.cfm>.

RMTUG: The Rocky Mountains Tandem Users Group held a meeting on June 3. A recap is available at the group website. The next meeting is scheduled for September 9.

<http://itug.org/regions/rmtug.cfm>

SATUG: Southern African Tandem User Group

<http://www.satug.org/>

SCTUG: Southern California Tandem Users Group (meeting in El Segundo)  
<http://itug.org/regions/sctug.cfm>

SunTUG: Florida NonStop Users Group  
<http://www.suntug.org/>

TUMS: The Tandem Users of the Minneapolis/St. Paul Area held an HP Education Day on June 8. The topic was "OSS Programming Fundamentals." For information on TUMS, visit the website at  
<http://www.itug.org/regions/tums.cfm>.

VNUG: The Viking NonStop User Group (meeting in Stockholm)  
<http://www.vnug.biz/>

## EDUCATION NEWS

33) Upcoming Technical Training Day seminars for NonStop technology users

ITUG and HP are pleased to announce the schedule of upcoming Technical Training Day seminars. Each one-day session is available tuition-free to anyone working in the NonStop server environment and includes continental breakfast and lunch. Technical Training Days present an excellent opportunity to link up with peers and gain valuable knowledge of the inner workings of NonStop products. Find more information at  
<http://h71033.www7.hp.com/object/TECHTRAINSEMNW.html>.

## SERVICE AND SUPPORT NEWS

34) Support note on NonStop SQL/MX Release 2.0 MP tables migration

A support note has been created that provides considerations for customers that plan to upgrade from the NonStop SQL/MX Release 1.8 (RVUs G06.18 through G06.22) to the NonStop SQL/MX Release 2.0 (RVU G06.23) MP tables package. Eventually there will be two NonStop SQL/MX Release 2.0 packages: this one for NonStop SQL/MP tables and one to be released in October for NonStop SQL/MX tables. The support note covers the following topics in regard to the NonStop SQL/MP tables package:

- Server model requirements for installation of NonStop SQL/MX Release 2.0 (NonStop S72000 or newer servers)
- New master softdoc for all NonStop SQL/MX products
- Migration from NonStop SQL/MX Release 1.8 to NonStop SQL/MX Release 2.0
- New features in NonStop SQL/MX Release 2.0 that affect the behavior of existing NonStop SQL/MX applications
- Control, Query, Shape considerations
- Transaction isolation scoping
- Considerations for using NonStop SQL/MP aliases in a distributed database environment
- SQLJ considerations
- Fallback to older releases of NonStop SQL/MX

- Using NonStop SQL/MX Release 2.0 with enterprise storage system (ESS) disks
- NonStop SQL/MX online Help delivery
- HP Safeguard software considerations for NonStop SQL/MX Release 2.0

See Support Note S04057 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

### 35) Support note details how to run multiple NonStop CORBA software installations

A support note has been created that details the steps required to run multiple copies of NonStop CORBA software on the same machine. For details, see Support Note S04063 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

### 36) Support note documents WAN Wizard Pro version compatibility

WAN Wizard Pro is a configuration tool for NonStop servers' LAN and WAN subsystems. It consists of a Windows operating system-based, GUI-based front-end client and a NonStop system-based back-end server. A support note has been created that documents the WAN Wizard Pro client's compatibility across different RVUs and also with different versions of the WAN Wizard Pro server. The support note is intended to help customers choose the correct version of the WAN Wizard Pro client and server, because not all versions of the server are compatible with all clients. A table provided in the detail section documents the compatible client and server versions of WAN Wizard Pro. See Support Note S04064 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

### 37) Support note on comparing PC and NonStop server cross-compiler files

A support note has been created that describes a method to compare cross-compiler files hosted on PCs running the Windows operating system with corresponding versions of the files available on the NonStop server host system. This method applies only if one of the following cross-compiler product packages (components of the Enterprise Toolkit) is installed on the Windows platform:

- Native COBOL cross-compiler (T2776)
- Native C/C++ cross-compiler (T2777)
- pTAL cross-compiler (T2778)

For details, see Support Note S04065 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

## FUN STUFF

### 38) Juan Pablo Montoya salvages a point at the European Grand Prix

After only one lap of the European Grand Prix at Nürburgring, it was a question of damage limitation for the BMW WilliamsF1 team. After a collision between the two team drivers shortly after the start, Juan Pablo Montoya finished in eighth position. Given the situation, securing one Championship point was the best he could hope for. At the first corner, the Castrol-S, Montoya's car collided with Ralf Schumacher's car. Schumacher's WilliamsF1 BMW FW26 was left stuck in the gravel pit. From then on, Montoya lapped impressively, moving up to eighth

position and into the points. Despite a third and final 9.2-second stop, Montoya still managed to hold on to the final point scoring position, bringing one point home for the team. To read more about the race, go to the home page and select Race Archive from the Season 2004 menu. Then select GP Europe.

<http://www.bmw.williamsf1.com>

#### 39) Schumacher and Montoya take second and fifth places in Montreal

The Canadian Grand Prix delivered proof of an upward trend for the BMW WilliamsF1 team, with Schumacher and Montoya scoring a total of 12 points at the Circuit Gilles Villeneuve. Schumacher delivered a particularly strong performance; never before in the course of the 2004 Formula One season has a BMW WilliamsF1 team driver come closer to winning a Grand Prix. At the start, Schumacher strongly defended his pole position and was able to open a small gap ahead of his rivals. After the first round of pit stops, he was still leading and even managed to build on the gap to Michael Schumacher to 13.2 seconds before pitting for the second time on lap 33. But when Michael continued until lap 47 without Ralf being able to close the 6-second gap, it became clear that Ferrari's two-stop strategy had been the right way to go, particularly when Ralf had to make his third stop only one lap later. Nevertheless, Ralf's Canadian Grand Prix was clear proof that the team is on its way back to the top. To read more about the race, go to the home page and select Race Archive from the Season 2004 menu. Then select GP Canada.

<http://www.bmw.williamsf1.com>

#### 40) Ralf Schumacher involved in serious accident at Indianapolis

A serious accident involving BMW WilliamsF1 team driver Ralf Schumacher overshadowed the U.S. Grand Prix, which took place at the Indianapolis Motor Speedway. Just before the end of lap 10, Schumacher's car suffered a left rear puncture and crashed heavily backwards into the wall at the banked final turn of the circuit. Having been attended to on the track, Schumacher was then taken to the speedway's medical center. He was then transferred to a nearby hospital to undergo further precautionary checks. Fortunately, he appears to have come away from the accident with just bruises. Teammate Montoya encountered bad luck even before the race began. Seconds before the start of the warm-up lap, Montoya had problems starting the engine; he jumped out of his WilliamsF1 BMW FW26 and ran to the BMW WilliamsF1 team garage, climbing into the T-Car as fast as he could. Unfortunately, he wasn't fast enough. The race steward subsequently ruled that Montoya made his move too late and, after a long investigation, a decision was made to black-flag (disqualify) him on lap 57. To read more about the race, go to the home page and select Race Archive from the Season 2004 menu. Then select GP USA.

<http://www.bmw.williamsf1.com>

#### IMPORTANT PHONE NUMBERS AND LINKS

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

#### **NonStop Computing News**

The very latest NonStop product news.

<http://h71033.www7.hp.com/page/NonStopNews.html>

**Global Customer Support Center:** 1 (800) 255 5010 (U.S. only)  
Technical hardware and software defect support and usage assistance.  
<http://h71014.www7.hp.com/GCSC.html>

**NonStop Presales Group:** 1 (800) 282 6672  
Product information, price quotations, order processing information.  
<http://h71033.www7.hp.com/page/CRC.html>

**NonStop eServices portal**  
A convenient, password-protected portal with access to a wide variety of services.  
<https://onepoint.nonstop.compaq.com/buildpage.asp>

**Partnerships and solutions**  
Information on strategic partnerships, partner products, services, and solutions.  
<http://h71033.www7.hp.com/page/Partners.html>

**NonStop technology education:** 1 (800) 472 5277  
Education schedules, information, prices, and class enrollments.  
<http://h71033.www7.hp.com/page/Education.html>

**NonStop Technical Library**  
A wide range of NonStop product publications, including technical manuals, articles, and support information.  
<http://h30163.www3.hp.com/Default.asp>

**NonStop Direct** online store: 1 (800) 482 6336  
Convenient product ordering by phone or the Web.  
<http://direct.nonstop.compaq.com/>

**Business continuity and disaster recovery solutions**  
Basic information about business continuity, NonStop server products and services for business continuity and disaster recovery, and customer successes.  
<http://www.hp.com/go/nonstopcontinuity>

**Software developers' information**  
Information for developers of NonStop system applications.  
<http://h71033.www7.hp.com/page/ADE.html>

**Interactive Upgrade Guide**  
An interactive tool to help plan system release migrations.  
<http://h71033.www7.hp.com/TechPubs/IUG/default.htm>

**Internet-enabled applications**  
Preserving your investment in NonStop system business applications and databases while applying the latest Internet technologies.  
<http://h71033.www7.hp.com/page/IntEnab.html>

**Product information for NonStop servers**  
<http://h71033.www7.hp.com/page/NonStopServers.html>

**ITUG, a user group for the NonStop server community:** +1 (312) 321 6851  
<http://itug.org>

**Customer support**  
<http://h71033.www7.hp.com/page/CustomerSupport.html>

## **A One-Stop Site for Service Providers**

<http://h18000.www1.hp.com/enterprise/sp/>

## **Privacy statement**

<http://welcome.hp.com/country/us/en/privacy.html>.

For more information, go to [www.hp.com/go/nonstop](http://www.hp.com/go/nonstop).

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