

# NonStop Computing Update

## May 2004

Welcome to the May 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.

To subscribe, or for comments or feedback, please send e-mail to [scott.lerner@hp.com](mailto:scott.lerner@hp.com). Your comments, questions, and suggestions are always welcome.

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#### NONSTOP SERVER NEWS

- 1) Summer intern quickly comes up to speed on NonStop servers

The following excerpt from an article by former HP intern Vladimir Berman originally appeared in *The Connection* volume 25, no. 2 (March/April 2004). The article describes his experience developing a roulette gambling demo for the ITUG 2003 conference. The demo showed several standards-based technologies available on NonStop servers. "I have used Red Hat Linux and HP-UX systems for several years, so I had no trouble working with the NonStop system. In fact, my move to the NonStop system was painless because OSS implements the POSIX standard. . . . It was surprisingly easy to build a high-quality application in a relatively short time span. I mastered NonStop Servlets for JSP reasonably quickly because it implements a standard Java servlet container, with a directory structure similar to Tomcat. Database programming went very smoothly because NonStop SQL implements the ANSI standard. . . . The task of integrating a .NET Web service with a NonStop SOAP Web service was easily done by using WSDL, which is automatically generated on both sides. . . . As an undergraduate, I now have the advantage of having successfully developed a production-quality application with a high degree of scalability and availability. This advantage was made possible by the easy-to-use NonStop TS/MP facility and the iTP WebServer and NonStop SOAP software that use this facility to provide standard Web applications and Web services with high levels of performance and reliability." Read the entire article at <http://h71033.www7.hp.com/object/ANINTPERAR.html>  
*The Connection* magazine is distributed free to ITUG members. To join ITUG, go to <http://www.itug.org>.

- 2) NonStop Server for Java 4 Update 3 now available

NonStop Server for Java Version 4.0 is a certified implementation of Java 2 Platform, Standard Edition (J2SE) Version 1.4.1. It provides an enterprise-class software environment that allows operators to run standard Java applications on NonStop servers. Update 3 provides defect repair; there are no new features included with this update. The CD includes Java Database Connectivity (JDBC) drivers for both NonStop SQL/MP and NonStop SQL/MX software. This product is usable only on G06.20 and later Release Version Updates (RVUs). The included JDBC drivers for NonStop SQL software product revisions (SPRs) can only be used with NonStop Server for Java 4. Update 3 is the requisite SPR for running BEA WebLogic Server 8.1 SP2 on NonStop servers. For further information, see Support Note S04032 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

### 3) NonStop Server Toolkit for BEA WebLogic Server 8.1 SP2 now available

NonStop Server Toolkit for BEA WebLogic Server 8.1 Service Pack 2 (SP2) software enables BEA WebLogic Server to work with NonStop Transaction Management Facility (NonStop TMF) and NonStop SQL software. When running on NonStop servers, BEA WebLogic Server utilizes the NonStop infrastructure, including NonStop TMF, Parallel TCP/IP, NonStop Server for Java, and NonStop SQL/MX, to maximize fault tolerance and scalability while ensuring compatibility with other WebLogic Server environments. HP recommends iTP WebServer SPR versions T7950ABR, T8997ABR, or T8996ABR for use with WebLogic Server 8.1 SP2. NonStop Server Toolkit for BEA WebLogic Server 8.1 SP2 has been qualified to run on G06.20 and later G releases and is available for NonStop S-series servers with floating point processors only. A minimum of 2 gigabytes of memory per processor is required; 4 gigabytes per processor is strongly recommended. For further information, see Support Note S04033 at <https://onepoint.nonstop.compaq.com/buildpage.asp>.

For more information on BEA WebLogic Server 8.1 SP2 for NonStop servers, see the product page.

<http://www.hp.com/go/wls81sp2>

### 4) NonStop servers garner favor in recent Gartner research report

Gartner's recently published research paper, "Hewlett-Packard NonStop Enterprise Server" (Gartner Datapro Product Report, March 9), provides an excellent overview of the platform and is unique in that Gartner provides an opinion on the platform technology and the marketplace. After a discussion of pricing, competitors, strengths, and limitations, Gartner concludes: "HP is maintaining the [NonStop Enterprise Division] position as the leading fault-tolerant provider and continues to deliver enhanced products to satisfy its very loyal customer base. [NonStop Enterprise Division] should continue to enjoy its lead in mission-critical fault tolerance—even as it changes processor technology."

<http://mediaproducts.gartner.com/gc/webletter/hpglobal/marketvision/article5/article5.jsp>

### 5) HP Atalla Resource Manager Update 3 now available

The HP Atalla Resource Manager (ARM) is an HP Pathway software subsystem for NonStop servers. ARM provides applications with a high-level cryptographic interface to Atalla network security processors (NSPs). Update 3 provides a change to ARM and ARMCOM commands. For further details, view Support Note S04039 at

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

## SUCCESS STORIES

### 6) Pharmaceutical production around the clock at Gödecke

Located in Freiburg, Germany, the researching pharmaceutical company Gödecke is part of the Pfizer Group. With approximately 1,300 employees, Gödecke is the largest industrial company in Freiburg. Production runs day and night with a three-shift schedule. Gödecke needed to ensure high value and quality from a 24-hour-a-day production environment that delivers pharmaceuticals for the European and

North American markets. Its solution was a NonStop server that connects about 50 production subsystems for integrated supervision of all production steps, equipment, and transfer of products. Karl-Hermann Müller-Rembold, who is responsible for IT at Gödecke, explains: "From the beginning, we were impressed by the comprehensive concept of NonStop servers. This confidence has remained to this very day."

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

#### 7) Rabobank relies on NonStop systems for Internet banking

As the popularity of Internet banking continues to grow, and as in-person visits continue to decline, financial institutions need to strike a balance between costly branch offices and increased support for online services. This is precisely what Netherlands-based Rabobank—the only private AAA-rated bank in the world, with a commanding presence in the Internet banking arena—is doing. Rabobank has increased efficiency through branch consolidation and has enhanced its computing infrastructure to support centralized applications. Rabobank runs mission-critical applications on NonStop S76000 and S86000 servers and deploys NonStop Remote Database Facility (NonStop RDF) software for superior disaster recovery capabilities. According to Diederick de Buck, systems programmer and technical architect at Rabobank, the "NonStop platform delivers the most manageable and reliable computing environment in the world, and it is a key element in Rabobank's success."

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

#### 8) Vodacom captures lion's share in South Africa

When it went live in 1994, South African cellular communications leader Vodacom expected half a million subscribers by the year 2004. Today, Vodacom boasts close to 9 million subscribers—significantly more than its nearest rival in the mobile communications space, and twice as many as the country's fixed-line monopoly, Telkom SA. Fortunately, the continuous availability and linear scalability of NonStop servers have enabled Vodacom to provide uninterrupted service to its customers, despite exponential growth and the burgeoning demand for new services. Vodacom uses NonStop servers for both upstream call control and downstream event management and reporting. "It's critical for us to be able to manage the rapid growth and massive volume that continue to characterize our business, and NonStop systems definitely help us do so," says Ray Oehley, executive head of the Billing Systems Division at Vodacom.

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

### GENERAL NEWS

#### 9) HP makes the grade with customers

The Customer Respect Group, an international research and consulting firm, has given HP its highest mark for online customer experience. HP ranked number one overall (along with Science Applications International), with a score of 9.5 out of 10 on the Customer Respect Index (CRI). This annual Customer Respect Study compares how 61 computer products and services companies treat their customers online. The CRI is based on several attributes, including simplicity, privacy, transparency, and responsiveness. Customer opinions were obtained in interviews

with a cross section of the adult Internet population. IBM and Xerox tied at third and fourth places with a score of 9.0, and Lexmark rounded out the top five with a score of 8.8. The rest of the top ten included Intuit (8.7), GetThere (8.5), Oracle (8.5), Avnet (8.4), and Western Digital (8.3). Dell ranked nineteenth with a CRI of 7.9, Sun ranked twenty-ninth (7.0), Apple Computer ranked thirty-sixth (6.6), and Gateway ranked fifty-first (5.3).

[http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news\\_vie\\_w&newsId=20040405005076&newsLang=en](http://home.businesswire.com/portal/site/google/index.jsp?ndmViewId=news_vie_w&newsId=20040405005076&newsLang=en)

## PARTNER NEWS

### 10) TheView Version 2.3 from River Rock Software now available

River Rock Software, a leader in providing software tools for NonStop servers, has released a new version of TheView, a graphical user interface (GUI) that is efficient and easy to learn. Version 2.3 is fully compatible with the XYGATE Security and Access Control software suite from XYPRO Technology. With this new version, users can drag and drop files between the Open System Services (OSS) and NonStop Kernel environments using the File Tool and can open as many as 20 File Tool windows simultaneously. Color coding for many of the supported languages is applied automatically when an edit file is opened in the GUI editor. The FindFile Tool supports regular expression searching, and users can open as many as 10 FindFile Tool windows simultaneously. Fonts, window colors, and emulation colors can be configured in the CAIL Tool. The execution window has been enhanced to save each command executed; commands can be saved to a file for easy retrieval and re-execution. In addition, TheView now supports pseudo-interactive output (for example, an EMS distributor will now work correctly). Contact [sales@RiverRockSoftware.com](mailto:sales@RiverRockSoftware.com) for a 30-day evaluation version. Or visit the company's website.

<http://www.riverrocksoftware.com/view.htm>

### 11) Insession Technologies introduces WebGate SQL

WebGate is a suite of solutions designed for NonStop system users who need to provide Web access to existing applications or integrate clients and applications using Web services. Since its introduction in 2000, WebGate has provided gateway interfaces to HP Pathway, ACI BASE24, and APPC applications. WebGate SQL is a recent addition to the WebGate product suite and is designed to provide simple HTTP access to NonStop SQL databases. This support allows SQL queries to be embedded directly in HTTP requests, with the resulting SQL response provided in XML. No additional software is required on the NonStop server. If security of these transactions is a concern, SafeTGate:AF can be used to authenticate and authorize approved users. For more information about WebGate SQL, refer to the product brief at

[http://www.insession.com/webgate/Webgate\\_sql\\_pb\\_020304.pdf](http://www.insession.com/webgate/Webgate_sql_pb_020304.pdf).

For more information about SafeTGate:AF, refer to the product brief at

[http://www.insession.com/product\\_briefs/safetgate\\_af\\_pb.pdf](http://www.insession.com/product_briefs/safetgate_af_pb.pdf).

### 12) Moving beyond Remote Server Call functionality with CSL

comForte has announced an alliance with Skybeam Management Ltd. (formerly Alta Software, Inc.) for worldwide exclusive distribution of Client Server Link (CSL),

a robust, open middleware product that supports existing NonStop client/server applications and gives them client access functionality from Java (including JavaServer Pages and Java 2 Platform, Enterprise Edition, or J2EE), .NET, XML, Wireless Application Protocol (WAP), or Active Server Pages (ASP) environments, without changing a single line of code in the host environment. comForte also integrates CSL with SecurCS, providing instant and cost-effective Secure Sockets Layer (SSL) network security for applications built on a Remote Server Call (RSC) infrastructure. CSL enables Java and Microsoft® Windows® clients as well as J2EE and .NET application servers to access Pathway servers on NonStop systems. Using the .NET platform, Pathway servers can be accessed via ASP, DCOM, and XML. For integration in J2EE enterprise application server environments, the CSL Resource Adapter adds comprehensive support of the Java Connector Architecture (JCA) and Java Transaction APIs (JTA) for distributed transaction capabilities. For more information, view the CSL description at <http://www.comforte.com/csl/>.

### 13) Virtual TapeServer enhances support for open systems

Tape Laboratories (TapeLabs) announces extended Virtual TapeServer support for VERITAS NetBackup, LEGATO NetWorker, and Syncsort Backup Express. This no-charge feature seamlessly integrates each of these popular open system backup management applications with the Distributed Systems Management (DSM) or MediaCom catalog of the NonStop system without requiring special software on the NonStop server. Backups performed by NonStop system users to Virtual TapeServer may be exported by these applications and restored to the NonStop system without operator intervention. Calls for files from the NonStop server are retrieved automatically from the open system by Virtual TapeServer, which immediately makes them available to the NonStop server. Virtual TapeServer is in heterogeneous production use by multiple referenceable NonStop users and is available from HP. For more information, contact TapeLabs at +1 (310) 577 1700, or visit the TapeLabs website at <http://www.tapelabs.com>.

### 14) comForte improves its SecurFTP product

comForte, a leading provider of network security products for the NonStop platform, has enhanced its SecurFTP product, a solution for cross-platform SSL-encrypted file transfer using the File Transfer Protocol over Transaction Layer Security (FTP/TLS) standard. SecurFTP interoperates with other FTP/TLS-compliant clients and servers, including the secure FTP client embedded in comForte's emulation package for NonStop servers, MR-Win6530. SecurFTP runs natively in the Guardian environment and also supports Windows and UNIX® operating systems and any platform with a Java virtual machine. SecurFTP has been available since early 2003 and is in use at several customer sites already. The latest additions to the product include

- Support of SSL client authentication.
- Drastic reduction of processor usage.
- Secure shell (SSH) port forwarding capabilities (available soon as an add-on). A native Guardian SSH implementation will make SecurFTP compliant to SSH-based partner systems. This will be officially released in the third quarter of 2004.

For details about SecurFTP and comForte's complete SSL product set, see the description at <http://www.comforte.com/ssl/>.

#### 15) TSI announces new entry-level Virtual Tape Solution

The new entry-level Virtual Tape Solution product offering from Tributary Systems, Inc. (TSI) uses a single HP ProLiant ML530 server with a built-in disk cache of 2 terabytes. This extremely cost-effective implementation is designed specifically for small to medium NonStop system environments. The new product offers all of the same features and functionality as the class-leading enterprise TSI Virtual Tape Solution product on NonStop systems. For more information on the new entry-level TSI Virtual Tape Solution, contact TSI Sales at +1 (817) 354 8009 or visit the website.

<http://www.tributary.com>

#### USER GROUP NEWS

#### 16) Registration open for 2004 ITUG European Conference in Madrid

Registration is now open for the 2004 ITUG European Conference. This event, to be held June 7–9 at the Auditorium Madrid Hotel in Madrid, Spain, brings together the NonStop community of Europe, the Middle East, and Africa (EMEA). Through educational and networking offerings designed specifically for NonStop users, attendees can build on their technical knowledge and network with NonStop professionals from companies throughout EMEA as well as HP employees. The conference will feature

- Optional pre-conference educational seminars (June 7)
- NonStop Partner Summit (June 6–7)
- Rudi Schmickl, Laurent Blanchard, Scott Stallard, and Pauline Nist as HP executive speakers
- Industry analyst keynote session
- Nearly 50 NonStop system–focused technical sessions presented by users, vendors, and NonStop specialists
- Special minitrack emphasizing telecommunication solutions based on the NonStop Open Call Intelligent Network Server
- Special Interest Group (SIG) sessions
- Free HP Certification Professional program exam overview sessions and testing center (free to registered conference attendees)
- An exhibit hall showcasing NonStop products, solutions, and services as well as exhibits from more than 30 partners and vendors
- Plenty of networking opportunities

Visit the 2004 ITUG European Conference website for additional information and registration forms.

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

#### 17) NonStop Partner Summit precedes ITUG European Conference

The EMEA NonStop Partner Summit will be held June 6–7, immediately preceding the ITUG European conference and at the same location. There is no registration fee for members of the Developer and Solution Partner Program (DSPP). Those who are not DSPP members but who would like to attend the event can register for the NonStop Partner Summit and sign up at the event to become a DSPP member. Note that there is no fee to become a DSPP member. The registration website is

live and the latest agenda details are posted. Contact [lisa.hansen@hp.com](mailto:lisa.hansen@hp.com) with any questions. If you plan to attend this event and have not yet registered, log on to <https://programs.regweb.com/hp/emea/spain/>.

#### 18) Register for ITUG conference and pre-conference seminar and save 250 euro

Maximize your 2004 ITUG European Conference investment by participating in a pre-conference seminar. Register for the entire conference and one pre-conference seminar and save 250 euro. The full conference package includes all scheduled meals and social functions, entrance to the exhibit hall, conference program materials, and access to all technical sessions June 7–9 inclusive. It also includes participation in one of the following two pre-conference education seminars on June 7:

- Performance TCP/IP for Your S-Series Server (SE-1)
- Web Services for the NonStop Server (SE-2)

Register now. Don't wait, because seats fill fast.

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

#### 19) Asia-Pacific and Korean NonStop Users Group Summit scheduled for June

HP and ITUG will sponsor an Asia-Pacific and Korean NonStop User Group (KNUG) meeting June 14–16 at the Intercontinental Hotel in Seoul. The meeting will bring together NonStop system users and prospects from Korea and other Asian countries to learn more about NonStop products, services, and solutions. The meeting will consist of general sessions, an exhibition, and track sessions focused on three areas: NonStop Solutions, Middleware and Application Development, and NonStop Systems and Services. A Partner Summit and an Education Day will follow. Details will soon be posted to the KNUG website.

<http://www.itug.org/regions/knug/index.cfm>

#### 20) Register today for the OZTUG 2004 Conference & Trade Show in July

Register today for the 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 more information and online registration, visit

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

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

The ITUG Summit 2004 occurs October 3–7 at the San Jose Convention Center in California. Customers and partners are encouraged to share positive NonStop system experiences by presenting case studies, migration tips, or other related topics at the ITUG Summit 2004. Speakers receive complimentary ITUG Summit 2004 registration, including access to all conference activities, scheduled meals,

and social functions. The deadline for submitting customer presentation ideas is May 7. The Call for Speakers form is available online at <http://www.itug.org/events/summit/2004/presentationform.cfm>.

## 22) Announcing the ITUG Product Development Excellence Award

Companies that produce and sell software for NonStop servers and that are members of both ITUG and DSPP are encouraged to participate in this new ITUG product development contest. There will be four awards based on company size. Awards will be announced at the 2004 NonStop Partner Summit in October and the ITUG Summit 2004 on October 3–7. For more information, view the award description at [http://www.itug.org/member/product\\_award.cfm](http://www.itug.org/member/product_award.cfm).

## 23) Worldwide Survey of HP Customers is now online

The Worldwide Survey of HP Customers, an independent survey sponsored by HP user groups, is currently online. Participants who respond to the survey will be entered in a drawing to receive a US\$1,000 cash grand prize or other valuable prizes. In addition, all NonStop product users who fill out the NonStop product section will be entered in a drawing to receive an HP iPAQ Pocket PC. <http://www.hpcustomersurvey.org/>

## 24) Regional user group updates

The Southeastern Regional NonStop Roadshow visits the following cities this summer:

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

Attendees will have an opportunity to get the latest ITUG and HP updates and to meet with partners to learn about the latest products and solutions. For an agenda, visit the Roadshow site.

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

ATUG: The Atlanta Tandem Users Group  
<http://www.itug.org/regions/atug/index.html>

BITUG: The British Isles HP NonStop User Group  
<http://www.bitug.com/>

CTUG: A Security SIG meeting of the Canadian Tandem Users Group will be held on June 24. For details, visit the CTUG website at <http://www.ctug.ca/>.

DUST: The Desert USers of Tandem (meeting in Phoenix, Arizona) has a tentative meeting scheduled for June 8. For more information, visit the DUST website at <http://www.itug.org/regions/dust.cfm>.

FTUG: The French Tandem Users Group  
<http://www.ftug.org/>

FINTUG: The Finnish Tandem User Group (FINTUG)  
<http://h40128.www4.hp.com/services/eventcalendar/>

GTUG: Members of the German Tandem Users Group are busy planning for their upcoming conference May 12–13 in Sindelfingen. The theme of the conference is manufacturing. 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 (MATUG)  
<http://www.iticsc.com/matug>

MCTUG: The Mid-Continent Tandem Users Group will hold 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>

Midwest Region: Several midwest user groups, including MRTUG, TUMS, OTUG and MiTUG, will hold a virtual meeting on May 19. Topics include “Managing NonStop Servers with HP OpenView,” “What’s New with NonStop Server for Java 4” and “Networking Technology Update: TCP/IPV6 and LAN/WAN Connectivity.” For details, visit the Midwest RUG website at  
<http://www.itug.org/regions/Midwest.cfm>.

MSTUG: The Mid-Southern States NonStop User Group  
<http://www.itug.org/regions/mstug.cfm>

N2TUG: The North Texas and Oklahoma Tandem Users Group held a meeting on April 16. To review the meeting agenda, visit the N2TUG website.  
<http://itug.org/regions/n2tug.cfm>

NCTUG: The Northern California Tandem User Group (meeting in Cupertino) held a meeting on April 29. There was a presentation on the Intel® Itanium® architecture and an update on NonStop S-series servers. For more information about NCTUG, visit the website.  
<http://www.zlemail.com/nctug/nctug.htm>

NRTUG: The Northeast Regional 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: Pacific Northwest Users of Tandem Systems  
<http://itug.org/regions/pnuts.cfm>

RMTUG: The Rocky Mountains Tandem Users Group will hold its next meeting on June 4.  
<http://itug.org/regions/rmtug.cfm>

SATUG: The 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: The Florida NonStop Users Group held an HP Education Day on April 21. The topic was “Open Systems Services (OSS) Programming Fundamentals.” For details or for upcoming events, visit the SunTUG website.  
<http://www.suntug.org/>

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

VNUG: The Viking NonStop User Group held its 2004 conference in Stockholm, Sweden, on April 19–20. For details, visit the VNUG website.  
<http://www.vnug.biz/>

## EDUCATION NEWS

### 25) Free Technical Update Training subscription with RAIL class enrollment

If you are planning to take a class this year or if you are under a travel crunch and need to squeeze the most from your training budget, then you can't afford to pass up this offer saving you an additional US\$995. For a limited time, when you sign up for a scheduled NonStop server class delivered via Remote Assisted Instructional Learning (RAIL) by May 31, you will receive a free subscription to the highly regarded Technical Update Training (TUT) program, a self-paced, subscription-based training program that offers technical seminars on the latest NonStop server products and solutions from NonStop system subject matter experts. The program is delivered directly to subscribers on a CD in an audio-visual searchable application that can be played on a PC. Details:

- You must enroll by May 31, and you must complete the class by October 31.
- Give registration coordinators the promotional code (RAIL4TUT).
- Only classes listed on the current schedule apply.
- This offer applies only to NonStop curriculum courses.
- It is not redeemable in combination with any other offer or discount.

To learn more about the TUT program, visit <http://education.nonstop.compaq.com/us/cat/tegtut.htm>.

To learn more about RAIL, visit

<http://h30101.www3.hp.com/us/news/rail.htm>.

#### 26) New course offering on the Open System Management product

A new class, NonStop Open System Management (OSM) Interface overview (U8439R), is now available. This two-day introductory course provides system managers with the information they need to operate, monitor, manage, maintain, and control a NonStop S-series server utilizing the OSM system. This product training course covers OSM features, basic functionality, installation, and configuration. The labs included will reinforce the lectures so that anyone responsible for installing and fully maintaining NonStop S-series network servers utilizing OSM and the NonStop operating system will benefit by understanding how to properly use OSM and its related components. This course is offered via RAIL in the United States and Canada. View the complete course description at <http://www.hp.com/education/courses/u8439s.html>.

#### 27) Technical Update Training CD #44 now shipping

The multimedia CD-ROM-based program from the Education and Training Center (ETC) brings technical training directly to the subscriber's desktop. NonStop Server Technical Update Training (TUT) CD #44 is now available. This CD contains more than four hours of presentations on the latest technology enhancements to NonStop server hardware, software, and solutions. Order CD #44 or a one-year subscription now and keep up with the developments on the NonStop server. For a complete list of the topics and presenters included on TUT #44, check out the CD description.  
<http://education.nonstop.compaq.com/us/cat/tut44.pdf>

#### 28) New HP Certified Professional NonStop SQL beta exam available

The NonStop SQL exam (HP1-780) is now in beta status at the worldwide Prometric Testing Centers. It is an ASE-level elective and also qualifies as a CSE elective. The beta will run until enough qualified candidates have completed the exam. Taking the beta version of an exam has numerous benefits to the candidate. Not only can candidates give feedback to the integrity of the test, but they also can view all questions in the exam pool. Also, once the exam cut score is established, if the candidate's score is considered passing, the score becomes valid and there is no need to take the final version of the exam. To learn more about beta exam benefits, download the exam prep guide. To view a listing of all beta exams, visit <http://h10017.www1.hp.com/certification/betaexam.html>.  
To enroll in a beta exam online, visit the Thomson Prometric website.  
<http://www.prometric.com>

### SERVICE AND SUPPORT NEWS

#### 29) Updated support notes list SPRs for special consideration

HP specialists periodically review SPRs for specific operating system RVUs. As a result of their reviews, they occasionally suggest different sets of SPRs for particular RVU upgrades. Subsequently, the information is published in updated support notes. These support notes highlight SPRs that users should consider

installing when planning an upgrade. Customers should evaluate each SPR separately. For details, view the following support notes, which indicate the SPR recommendations issued recently for selected RVUs:

- Support Note S04031: RVU G06.21
- Support Note S00046D: TRM2000

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

### 30) Connecting serial modem to NonStop System Console with only USB ports

A support note has been created to help when installing a serial modem to a NonStop System Console that has only USB ports. A USB-to-serial adapter cable is required to connect a serial modem to a NonStop System Console PC that has only USB ports. During installation, the console PC may not recognize the adapter cable and/or the serial modem. Although recognized during installation, the serial modem may not function correctly for dial-in activity. The driver provided on the CD that accompanies the adapter cable may not allow for modem recognition during installation or for dial-in capability. An updated driver must be installed to correct the problem. HP has made these drivers available for download. For further details, see Support Note S04038 at

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

## FUN STUFF

### 31) HP technology keeps pace for 2004 Boston Marathon

HP provided the technology to track every registered participant at the 108th running of the Boston Marathon, held April 19. As the event's official technology sponsor for the tenth consecutive year, HP made all of the race information instantly available via the marathon's official website through the HP Athlete Search System. Powered by a state-of-the-art wireless network that uses ProLiant servers, iPAQ Pocket PCs, and HP ProCurve networking products, the HP Athlete Search System provides participant updates at designated sites along the marathon route and at the finish line. Participants simply attach a tiny computer chip to their shoes or wheelchairs; the chips transmit the participants' location as they cross sensor mats at regular checkpoints. This year, HP provided onsite wireless access so media attendees could work online from the press room and check race statistics using the marathon's private intranet servers and the marathon's media website. HP employees were also key contributors to the marathon, with nearly 200 New England-based HP employees taking part in the race, including 125 runners from 12 states and five countries around the world.

Check out the pre-race press release at

<http://www.hp.com/hpinfo/newsroom/press/2004/040406a.html>.

### 32) BMW WilliamsF1 team plagued by bad luck at Bahrain Grand Prix

Over the course of the inaugural Bahrain Grand Prix, both Ralf Schumacher and Juan Pablo Montoya suffered bad luck. After a collision with B.A.R. driver Takuma Sato on lap six, Schumacher continued the race from the back of the field. But he fought his way back and, at the end of the day, finished seventh, thus adding two points to his tally. His teammate Juan Pablo Montoya, however, seemed to be on the way to a certain third place for the BMW WilliamsF1 team when he suffered a gearbox problem in the closing stages of the race and had to make do with

thirteenth position. To read more about the race, go to the home page and select Race Archive from the Season 2004 menu. Then select GP Bahrain.

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

### 33) Eight points for the BMW WilliamsF1 team in San Marino

At the kick-off of Formula One's European season, the BMW WilliamsF1 team drivers, Juan Pablo Montoya and Ralf Schumacher, took third and seventh places respectively at the San Marino Grand Prix. For a long time it looked as if the BMW WilliamsF1 team would score its best team result of the 2004 season so far, with Montoya and Schumacher taking third and fourth positions respectively. On the fiftieth lap, however, Schumacher spun after Renault's Fernando Alonso touched his WilliamsF1 BMW FW26 while trying to pass. Consequently, Schumacher lost several positions. The race started with a controversial moment when Montoya tried to pass Michael Schumacher, who was in second place at the time. According to Montoya, Michael Schumacher closed the door, forcing Montoya off track.

"There was no damage," he said, "but he hit me hard enough to put me on the grass. It was a bit disappointing. I thought I could have had him there."

[http://www.bmw.williamsf1.com/02-C153CAF79A7D41A25F6981E0272BBF59/ms/en/4\\_serien/41\\_f1/411\\_news/rennen/04\\_san\\_marino/berichte/Rennen.4ml](http://www.bmw.williamsf1.com/02-C153CAF79A7D41A25F6981E0272BBF59/ms/en/4_serien/41_f1/411_news/rennen/04_san_marino/berichte/Rennen.4ml)

## 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://support.nonstop.compaq.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 software**

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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