

NonStop Computing Update: October 2005

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Welcome to the October 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) NonStop Division's new organizational structure an investment in the future

HP has recently made significant and far-reaching improvements to the NonStop Enterprise Division organizational structure, business strategy, and execution models. The purpose of the new management structure and the strategic product initiatives is to drive enhanced NonStop revenue, profitable growth, and overall success in the coming years. The NonStop server is widely recognized as the premium fault-tolerant processing engine for the world's most critical applications. The recently introduced new Intel® Itanium® 2 processor-based Integrity NonStop server and NonStop Advanced Architecture positions HP even more firmly in the open standards environment. But in order to remain competitive and grow the NonStop business, HP must also leverage its rich intellectual property more effectively. To this end, HP has created an organizational structure that places enhanced focus on growth while maintaining its core business—and doing all of this with real-time vision, value proposition, and attitude. In addition, HP has restructured NonStop Worldwide Marketing to sharpen the focus on key vertical industries: Finance; CME Communications, Media, and Entertainment (formerly Telco); and Emerging Markets. HP believes this new structure will be effective in quickly identifying winning solutions and bringing them to market in a cost-effective and timely manner. It will also improve operating efficiency, speed decision-making processes, reduce complexity, and improve accountability throughout the organization.

HP is very excited about the future of NonStop. Since the product launch at the ENSA conference held in Copenhagen June 2005, the new Integrity NonStop server has enjoyed sustained visibility. HP's connections with Linux — and the exciting opportunities to exploit the synergy of NonStop technology and open source software for reliable and scalable solutions with lower total cost of ownership — is generating both internal and external excitement. CEO Mark Hurd is paying particular attention to NonStop technology and has asked the NonStop Enterprise Division to focus on some new market segments, where he believes there is significant potential for competitive advantage.

HP will continue its investment in core Integrity NonStop technologies, which comprise the heart of NonStop computing. At the same time, HP will innovate with new products, utilizing fundamental NonStop attributes and key industry standards to deliver the most value with the best-cost structure. HP believes that the NonStop Enterprise Division is well positioned for success in 2006 and beyond. The central tenet of HP's long-term strategy is, of course, ensuring that HP continues to meet the most demanding needs of NonStop customers as they face existing and new business challenges. More information will be provided on these topics at the upcoming NonStop Partner Summit and ITUG Summit conferences in October 2005.

2) Register now: ITUG Summit 2005 is just around the corner

What do HP, CBOSS, eFunds, NASDAQ, My Travel Sweden, May Department Stores, Sprint, and Intermountain Healthcare have in common? They are all presenting sessions at ITUG Summit 2005, October 23–27 in San Jose, California. Register now to hear these sessions and more than 170 other technical breakout sessions focused on NonStop servers. Hear Ann Livermore, Scott Stallard, Martin Fink, and Jim Murphy deliver keynotes at ITUG Summit 2005, the largest, most comprehensive NonStop computing–focused technical training event. In addition to a full program of keynotes and targeted breakout sessions, ITUG Summit 2005 will feature a carefully crafted Leaders Day, a one-day executive-level program designed to foster dialogue among a small group of executive-level NonStop customers and HP executives. At ITUG Summit 2005, you can:

- Hear from a distinguished lineup of key NonStop system users as well as senior HP executives
- 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

In addition, the conference will be preceded by

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

[Register now.](#)

3) Winter Corp honors NonStop SQL databases as world's largest, by five times

HP has always maintained that NonStop SQL/MX database software combines the highest levels of availability, database integrity, and massive scalability. Now that claim is backed by [top honors](#) from the

prestigious Winter TopTen Program, a highly visible, global survey that identifies the world's largest and most heavily used databases. Winter Corporation, the database research and consulting firm that conducts the survey, named NonStop SQL database implementations from both Sprint and HP as 2005 Winter TopTen winners. These awards are particularly notable because it's the first time in the six years the survey has been conducted that NonStop database implementations have entered the program. In fact, the 2005 Winter TopTen results show that the leading result of 2.8 trillion database rows from NonStop SQL customer Sprint represents a fivefold increase since the last survey was conducted.

4) RVU G06.27 of the NonStop operating system ships

G06.27, a generally available release version update (RVU) of the NonStop operating system for NonStop S-series servers, began shipping as of September 29. Highlights of RVU G06.27 include the following new and enhanced functions, as well as defect repair:

- NonStop SQL/MX software, Release 2.1.1
- Fibre Channel Disk Module (FCDM)
- Domain Name Service (DNS) software 9.x, Release 2
- HP Open System Services (OSS) Standard Security APIs and Non-Blocking Terminal I/O
- Object Code Accelerator (OCA) for Integrity NonStop servers
- HP Safeguard software, Release 5
- StorageTek SL500 Tape Library
- NonStop SQL/MP improvements

See a complete list of [product versions](#) and software product revisions (SPRs) included in RVU G06.27.

5) Release plan for RVU G06.28 of the NonStop operating system

The release date for G06.28.00, a generally available RVU of the NonStop operating system for NonStop S-series servers, has been changed from January 2006 to February 2006.

6) Safeguard software enhancements

With the general availability of RVU G06.27 of the NonStop operating system, the last set of the most important [enhancements](#) for Safeguard software—multiple owners of Userids and description fields—is being released. The multiple owners of Userids feature allows multiple owners to manage specific Userids, allowing the task to be delegated to, for example, a help desk. Enhanced description field features include the addition of two free-form “comment” fields to each Userid. One 2,048-character description field can be used to hold contact information or other information about the owner of the Userid. A second 2,048-byte binary field can be used to store a certificate.

7) NonStop Remote Database Facility Version 1, Update 7 available now

NonStop Remote Database Facility (NonStop RDF) software [Version 1, Update 7](#) is a manageability release with the following new features:

- NonStop RDF management by any Super group Userid, no matter which Userid initially started it

- NonStop RDF management by any user (non Super group)
- Run with one-way remote passwords (primary to backup)
- Better security when replicating to a development system
- Faster file comparison tool
- Single RDFCOM command to drain and apply all audits up to the time the command was issued
- New REVERSE option for the STOP RDF command
- A simple command to reverse the replication stream so that system roles can be reversed
- Configure triggers that are automatically executed after critical operations (for example, TAKEOVER and STOP RDF, reverse commands).
- New event issued when all updaters have stopped and replication is shut down
- Force takeover even if the HP Expand network line is up with the “!” option
- NOW option with INITTIME in INITIALIZE RDF command

NonStop RDF Version 1, Update 7 is available at no additional charge upon request for systems that are licensed for any version of SA43V1 and SA44V1 software and is automatically shipped for new orders. All versions of NonStop RDF software prior to update 1.7 are now made mature. Fixes and features will be added only to NonStop RDF 1.7 and later versions.

8) RoHS Directive: end of sales for enclosures, printers, and other hardware

HP is committed to compliance with all applicable laws and regulations, including the European Union Restriction of Hazardous Substances (RoHS) Directive that will restrict the use of lead (Pb), mercury, cadmium, hexavalent chromium, and two bromine-containing flame retardants: PBB (polybrominated biphenyls) and PBDE (polybrominated diphenyl ethers) in electrical and electronic products. HP’s goal is to exceed compliance obligations by meeting the requirements of the RoHS Directive on a worldwide basis. By July 1, 2006, RoHS substances will be virtually eliminated (to levels below legal limits) for all HP electronic products subject to the RoHS Directive, except where it is widely recognized that there is no technically feasible alternative (as indicated by an exemption under the EU RoHS Directive). As a result of the RoHS Directive, the following HP hardware products will be discontinued from sales with no replacement product being introduced.

As a result of the RoHS Directive, selected HP hardware products, including NonStop S-series enclosures and printer and communications products, will be discontinued from sales with no replacement product being introduced. See information on affected products and last order dates for [NonStop S-series enclosures](#), [printer products](#), and [communications products](#).

9) 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. Due to recent organizational changes in the NonStop Enterprise Division, some of the conference sessions and time slots have changed. You can register or review the updated agenda.

10) Get connected with Integrity NonStop technology at HP Technology Forum

The inaugural [HP Technology Forum](#) will be held at the Orange County Convention Center in Orlando, Florida, on October 17–20. Users will be able to network and learn about the latest HP technologies and services, including Integrity NonStop technology, that can help their businesses become Adaptive Enterprises. Sessions highlighting Integrity NonStop server technology include:

- Real-Time Enterprise Solutions
- Case Studies in Real-Time Enterprise Integration Solutions
- Integrity NonStop Servers: Fundamentals of Architecting Continuously Available Computing
- NonStop Server Advanced Architecture
- Best Practices for NSPs Managing Next-Generation Networks Using HP OpenCall DDM
- Linux and NonStop: Patterns for Implementing Hybrid Environments
- Using HP StorageWorks XP on a NonStop Server
- Financial Services Solution Implementations for Mission-Critical Environments
- Ubiquitous Access on a Multimillion-User Scale
- Implementing Highly Available Applications with Hybrid Solutions
- Unified Management of Mission-Critical ATM Environments Using HP OpenView
- A Survey of Cluster Technologies
- Achieving Continuous Availability Without Cluster Failover

Mark Hurd, chief executive officer and president of HP, will deliver the opening keynote presentation, and former Ohio Senator and astronaut John Glenn will deliver the closing address at the event.

11) Integrity NonStop technology receives high visibility at Intel Developer Forum

Integrity NonStop technology received significant visibility at the recent [Intel Developer Forum](#) (IDF) held in San Francisco. In the keynote address presented by Pat Gelsinger, Intel's Digital Enterprise Group senior vice president and general manager, Integrity NonStop server technology was not only highlighted in his remarks but also was the only HP server displayed on stage, along with servers from SGI, Hitachi, Unisys, Fujitsu, NEC, and Bull. In addition, a breakout session entitled *Integrity NonStop Servers—Mission Critical Computing utilizing Intel® Itanium® 2 standards-based technology* was presented, and a NonStop server demo station was included in the HP showcase booth.

Success stories

12) NonStop servers key to ETSL's success in New Zealand's EFTPOS market

Richard Tims, CIO at [Electronic Transaction Services Ltd.](#) (ETSL)—which operates the Paymark EFTPOS network, the largest processor of EFTPOS (electronic funds transfer at point-of-sale) transactions in New Zealand—is in the right place at the right time. It's a booming market (some 60 percent of all retail trade in New Zealand is now handled via debit or credit card purchase) and also a challenging one. In addition to staying ahead of the steady rise in transaction volume, EFTPOS processors must deal with increased competition from overseas switches. And a growing body of compliance-related requirements, including Sarbanes-Oxley and Basel II, often demands the reallocation of resources that would otherwise be devoted to new research and development. A key ally in meeting

these challenges is the NonStop server, which ETSL has relied on to handle its core switching load since the company's inception. As the result of a recent technology upgrade, ETSL currently operates two NonStop S76006 systems (production and backup), with a NonStop S760 system for test and development. Tims remarked, "By providing our several million end users with instant, secure transactions and 100 percent availability—adding viability and future-proofing to our core business—the NonStop server has clearly demonstrated that it is worthy of trust."

General news

13) HP acquires AppIQ and Peregrine Systems

HP has announced the acquisition of [Peregrine Systems](#) and [AppIQ](#) as part of its strategy to help CIOs manage their entire IT environments easily and more cost-effectively. By acquiring both companies, HP will be able to provide customers expanded capabilities in IT asset management, IT service management, and storage management.

Partner news

14) CAIL Adapter provides enhanced Java interfacing capabilities

NonStop server customers can utilize flexible CAIL Adapter interfacing capabilities and internal libraries for integrated Java™ connectivity to the NonStop server environment. The CAIL Adapter provides Java host access objects that enable application designers to produce results quickly by leveraging investment in the existing IT infrastructure. By using the capabilities of CAIL Adapter host access objects, external personnel can operate internal host applications. In this scenario, the host side of the application remains completely unchanged, significantly reducing system development time as well as risk and cost. Furthermore, the user does not see any original host screens when accessing information from a browser. Additional flexibility is provided for auxiliary device support like special printers, scanners, and more. For more information, contact CAIL at info@cail.com or at either 1 (800) 668 5769 or +1 (905) 940 9000, ext 1000.

15) comForte CSL.NET integrates Pathway with Microsoft .NET

comForte, a leading provider of Web-enabling and legacy integration solutions for NonStop servers, now supports integration of NonStop server applications with the Microsoft® .NET Framework. [CSL.NET](#) extends comForte's Client Server Link (CSL) product—which provides Pathway server connectivity for existing RSC clients, as well as new clients written in C/C++, Delphi, or Java—with a client API completely written in .NET Managed Code. With CSL.NET, developers can build multi-tiered .NET enterprise applications integrating Pathway servers at the back end. CSL.NET is designed to allow high transaction rates and supports NonStop Transaction Management Facility (NonStop TMF) software, connection pooling, unsolicited messages (sending requests from the NonStop server to .NET components), as well as conversion of interprocess messages, making data easily accessible as .NET objects.

16) File Archive Mate (FAM) integrated with Tape Labs' Virtual TapeServer

File Archive Mate (FAM) has been integrated with Tape Labs' Virtual TapeServer (VTS) and can now be used as a total tape management solution. FAM offers a state-of-the-art GUI and enables users to track tapes and automate their movement, manage NonStop TMF backup media, perform parallel backups, automatically restart backup and restore jobs that have failed, and interact with DSM-TC, Mediacom, and Tapecom utilities with built-in support. Additional enhancements planned for early 2006 include auto tape labeling, NonStop TMF catalog imports for disaster recovery on the alternate disaster recovery site, and VTS Instant/DR process support. Unlimited Software Associates (USA) is the exclusive worldwide distributor of File Archive Mate. For more information, contact sales@usahero.com or +1 (610) 296 2633.

17) GreenHouse offers new Integrity NonStop OSS freeware tools

GreenHouse now offers several new [freeware Open System Services](#) (OSS) tools for Integrity NonStop servers: FC, EDIT and TEDIT, and GHSTACL, which replaces GTACL and starts an already logged on TACL (GTACL requires the user to log on to a logged off TACL). Versions of these tools are available in object file code formats that will work with Integrity NonStop servers as well as NonStop K- and S-series servers (Code 800, 700, and 100).

GreenHouse also announces a cooperative agreement with Gerhard Huff from Albireo, who is developing an OSS-based version of the Greenhouse SECOM product that will bring command-level security, session tracing, and ID hopping to the OSS environment. Huff worked for Tandem Computers in Germany between 1978 and 1999 and was one of the initial members of the European Services and Support Group (ESSG) group and the High Performance Research Center (HPRC) in Friedrichsdorf. Contact Huff at Gerhard.Huff@Albireo.de.

18) Insession Technologies to demonstrate SOA solution at ITUG Summit 2005

Attendees at the upcoming ITUG Summit 2005 will have the opportunity to see Insession Technologies demonstrate the power of a [service-oriented architecture](#) (SOA) using WebGate:Secure Transaction Services (STS). WebGate:STS is a suite of Insession's existing solutions:

- WebGate, which simplifies Web services implementation
- SafeTGate, which protects applications with Single Sign-On (SSO) security
- WorkPoint, which provides a flexible and scalable solution for Business Process Management (BPM)

WebGate:STS eliminates the complexity of deploying an SOA on NonStop servers and allows users to quickly adapt to changing requirements. Visit Insession Technologies at ITUG Summit 2005 booth 808.

19) Lehigh Valley Hospital implements SafePoint Reports for security audits

IDX Carecast user Lehigh Valley Hospital (LVH) recently implemented SafePoint Reports software for its security audits and as a key element to meet HIPPA compliance requirements. According to Rich Karluk, LVH systems administrator, "SafePoint Reports provides hospital personnel with quick access to important Safeguard audit trail data and the ease of use required for non-technical staff." LVH's

needed to find and track failed logon attempts, employees who view patient records, and erroneously altered files. According to Karluk, “implementing SafePoint Reports provides LVH with better security for our patient base, reduces the cost of processing sensitive information, and lowers the risk of wrongful disclosure.” Unlimited Software Associates (USA) is the exclusive worldwide distributor of SafePoint Reports and SafePoint Admin, which are developed by Baker Street. For more information or additional references, contact USA at sales@usahero.com or +1 (610) 296 2633.

20) Migrating Enscribe to NonStop SQL when moving to Integrity NonStop server

Migrating an application to the newest industry-leading hardware platform supporting the latest compilers and open source tools is an exciting prospect, but does it really provide any benefit if your database is left in a less-than-open format? Carr Scott Software has created a [step-by-step demonstration](#) of how it is possible to transform an Enscribe file set on a NonStop S-series server into a well-designed NonStop SQL database residing on the new Integrity NonStop platform—without even so much as recompiling a program. This evolutionary step results in an industry-leading platform, along with the most reliable and scalable open-format database in the industry.

21) TapeLabs announces encryption for Virtual TapeServer

Tape Laboratories announces VTS SecureExport, an encryption feature for Virtual TapeServer. Data security is one of today's leading priorities for enterprises and encompasses more than data safeguarding—it must also comply with regulatory requirements including SEC record retention, Sarbanes-Oxley, and HIPPA. VTS SecureExport, available now, uses a 256-bit AES algorithm to encrypt files to tape and a highly secure biometric device for key management. VTS SecureExport encrypted files are portable across all supported operating systems and processors. For more information, contact [TapeLabs](#) or +1 (310) 577 1700.

22) TheView 2.7 beta release from River Rock Software is now available

River Rock Software, a leader in tools for accessing NonStop servers, has released a new version of TheView, a graphical user interface (GUI) that is efficient and easy to learn. This new release offers the Common Server feature, which allows users to view spool files owned by a different Guardian user ID. Using Common Server, a user or user group is configured to view reports for a specific Guardian user ID that match a preconfigured batch name, report name, form name, or location. Common Server provides increased security by avoiding risks associated with allowing users broad access to other reports or to the Pathway subsystem itself. Up to five Common Servers can be configured per NonStop server, and wild cards can be used for spool file attributes. For more information or a 30-day evaluation version of TheView, visit ITUG Summit 2005 booth 714 or contact sales@RiverRockSoftware.com or +1 (888) 966 6746.

23) TSI introduces library management software for new midrange libraries

Tributary Systems Inc. (TSI) is addressing the needs of entry configurations of new midrange modular libraries with the introduction of two new management software products. Midrange Silo Media Manager (MSMM) for NonStop S-series servers and Midrange Library Media Manager (MLMM) for Integrity NonStop servers offer the same robust functionality as the SMM and LMM products do today

for the larger libraries—but at lower prices for configurations of up to 170 user tape cartridges. In addition, SMM and LMM have been enhanced to accommodate and manage the larger configurations of new midrange libraries and now offer a Web-based user interface. For additional information about these new libraries, contact TSI's [Larry Meyers](#) or +1 (817) 354 8009, ext. 32.

User group news

24) 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 held a meeting on September 13 in Tempe, Arizona.
- [FINTUG](#): The Finnish regional Tandem Users Group
- [FTUG](#): The French Tandem Users Group met on September 15.
- [GTUG](#): The German Tandem Users Group will hold a conference on November 22–23 in Frankfurt. Telecommunications and SAP binding are the featured topics.
- [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
- [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

Education news

25) Remember to sign up for ITUG Summit Preconference Technical Seminars

[ITUG Summit 2005](#) is just around the corner so remember to sign up now to take advantage of the two technical seminars offered prior to the conference, on October 22 and 23. 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

26) Atalla Product Training lab-based class, 10/31 to 11/01, after ITUG Summit

Atalla Product Training, a two-day hands-on class, will be delivered at Atalla Labs in Cupertino, CA, October 31 to November 1. Taught by Atalla marketing, labs, and technical support personnel, the class facilitates the installation and use of HP Atalla security products in support of mission-critical banking applications. The newest Atalla products, including the Atalla Key Block that is fast becoming both a de facto and ANSI industry standard, are covered. A third, optional, day of class is also available, covering migration, added-value product information, and other customized discussions. The class fee is US\$995 and includes lunch. To register, send mail to steve.scott@hp.com.

Service and support news

27) Support Notes, September 2005

Support Notes released by the NonStop Enterprise Division in September 2005 are listed below. For

additional details, refer to the corresponding [Support Note](#) number.

- T2721AAB-AAD BRCOM exits from instream commands—SPR fix and RVU (Support Note S05040A)
- First customer ship (FCS) note for independent products available for RVU H06.03 for Integrity NonStop servers—additional IPs (Support Note S05079B)
- FCS note for Atalla Resource Manager (ARM), Update 6 (Support Note S05087)
- FCS note for new release of Total Web Support (TWS) (Support Note S05088)
- NonStop S-series servers, minimum firmware requirements (Support Note S05090)
- FCS note for HP JToolkit for NonStop servers, Update 2 (Support Note S05091)
- FCS note for NonStop Server for Java 4.2, Update 1 (Support Note S05092)
- FCS note for Atalla Resource Manager (ARM), Update 7 (Support Note S05093A)
- FCS note for NonStop Remote Database Facility software, NonStop RDF/IMP and NonStop RDF/IMPX, Version 1.7 (Support Note S05094)
- Open System Services (OSS) file backup, file-size discrepancy (Support Note S05095)
- Execution of Pathsend demo test in JToolkit (T2716H10) fails (Support Note S05096)
- FCS note for OpenView NonStop Server Management, Version 4.0 (Support Note S05097)
- FCS note for OpenView NonStop Server Performance Management, Version 1.0, Update 1 (Support Note S05098)
- Behavior of TNS/R C++ programs that use longjmp (Support Note S05099)

Fun stuff

28) HP announces conclusion of successful BMW WilliamsF1 Team relationship

HP will conclude its sponsorship with the BMW WilliamsF1 Team at the end of the 2005 season. HP has been the principal sponsor of the BMW WilliamsF1 Team since the 2000 Formula One season. Over the past six seasons, HP has successfully partnered with the BMW WilliamsF1 Team as their technology provider in the world's leading technology-driven sport. In 2005 alone, HP's Formula One presence has acted as a touch-point for the HP brand in more than 200 countries, with a worldwide audience at 160 million for each of the 19 Grand Prix. The relationship has seen the BMW WilliamsF1 Team garner 42 podium finishes, including 10 Grand Prix victories. The team finished second in the Constructors Championship in both 2002 and 2003. HP's technology contribution has been key throughout its relationship with the team, helping WilliamsF1 reduce its cost of operation and maximize its investment in innovation.

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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