

NonStop Computing Update: July 2005

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Welcome to the July 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 really is one of the world's best-kept secrets

The business names of many NonStop server customers are household words but, perhaps because of its reliability, NonStop is not. Quietly providing the computing power needed to ensure top-notch reliability and continuity to hundreds of the world's largest businesses and their customers, "NonStop really is one of the world's best-kept secrets," says Brian Mecca, NYCE director of IT support services. "We use it because we can't afford to go down. When people go to an ATM today, they don't expect it to be down. They expect to get their money...NonStop let's us stay up and running 24 x 7, so they can get it whenever they want it." And that's what the NonStop server's 99.99999 percent availability means to the millions of people who rely on NonStop servers every day, and never give it a second thought. Read about how in the "NonStop—A day in the life of the world" [article](#).

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

2) Media coverage of new Integrity NonStop servers

Extensive—and favorable—media coverage of the recent HP announcement of the new Integrity NonStop server, based on the Intel® Itanium® 2 processor, has flooded in over the last month. [Review articles](#) from *Computerworld*, *InformationWeek*, *Computer Business Review*, *The Register*, and others.

3) Integrated Research digs deep into Integrity NonStop server infrastructure

Integrated Research has been digging deeply into the NonStop Advanced Architecture (NSAA) for Integrity NonStop servers to provide precise tools for monitoring and managing the performance and availability of the new systems. "Because Integrated Research is a systems management vendor, we get our hands into every aspect of the NonStop server and application infrastructure—including the operating system, database, caches, CPUs, disk drives...the works," said Rick Hunter, Integrated Research's vice president of strategic business development. "We're still testing, but with several of our customers participating in the Integrity NonStop Early Adapter Program (EAP), we're seeing that the system is very fast." Find out more about Integrated Research's experience validating its [PROGNOSIS](#) performance monitoring solutions.

General news

4) HP reveals groundbreaking design for future nano-electronic circuits

HP announces that its researchers have created a [new way](#) to design future nano-electronic circuits using coding theory, an approach currently being used in certain computer storage and telecommunications applications. The result could be nearly perfect manufacturing yields with equipment a thousand times less expensive than what might be required using future versions of current technologies. "We have invented a completely new way of designing an electronic interconnect for nano-scale circuits using coding theory, which is commonly used in today's digital cell phone systems and in deep-space probes," said Williams, HP Senior Fellow and director, Quantum Science Research at HP Labs. "By using a cross-bar architecture and adding 50 percent more wires as an 'insurance policy,' we believe it will be possible to fabricate nano-electronic circuits with nearly perfect yields even though the probability of broken components will be high."

5) HP lands number one spot in Customer Respect Survey

HP has been acknowledged as the [industry leader](#) in how well it treats customers online, earning the number one ranking in a study conducted by the Customer Respect Group, an international research and consulting firm. Released on June 6, the study results show rising satisfaction rates among HP customers, underscoring the company's commitment to delivering the best online experience in the industry.

Partner news

6) Save the date: NonStop Partner Summit, October 22–23, San Jose, CA

The fourth annual Americas NonStop Partner Summit will be held October 22–23 in San Jose, California. The conference will take place at the San Jose McEnery Convention Center, directly prior to ITUG Summit 2005. A formal announcement will be sent to partners in the coming weeks.

7) European NonStop Partner Summit “extremely valuable”

NonStop partners found that the third annual European NonStop Partner Summit, held May 22–23 in Berlin, Germany, was “extremely valuable,” and attached special importance to the opportunity to network with other NonStop technology professionals and participate in Q&A sessions with NonStop Division executives. The Berlin conference focused on providing valuable technical updates about the release of the new Integrity NonStop servers and the NonStop Advanced Architecture (NSAA). Attendance steadily increases with each conference and an overwhelming number of partners intend to participate in the next Partner Summit.

8) Club NSAA membership continues to expand

Ten partners became new members of Club NSAA—a program for partners who want to validate and test solution software on the new Integrity NonStop platform—while at the May European NonStop Partner Summit conference in Berlin. These partners, as well as the other existing members of Club NSAA, can now take advantage of joint marketing with HP and Intel, demand-generation programs,

participation in HP sales calls and webinars, as well as special perks at the upcoming Americas NonStop Partner Summit conference in October. Resources will be available until December 2005. To join Club NSAA, contact [Terry Schlenz](#) at +1 (916) 786 6166, or visit the [ISV Evolution & Validation Program website](#).

9) comForte's SecurLib now offers a simple API for cryptographic operations

comForte, a leading provider of encryption software for the NonStop platform, has extended the functionality of its [SecurLib](#) product. With the new release of SecurLib, developers can not only transparently add SSL encryption capabilities to existing TCP/IP applications, but also take advantage of a simple cryptographic API for the NonStop platform. SecurLib supports basic cryptographic operations such as the calculation of SHA-1 hash values or encryption with various standard algorithms (DES, 3DES, AES). SecurLib comes with the popular openssl command shell, which allows for the interactive execution of cryptographic operations such as key generation as well as a multitude of other functions. The openssl shell runs under the Guardian environment, so key generation and crypto testing can be done right from TACL.

10) Gravic, Inc. and BrightStrand International announce a new partnership

Gravic, Inc. and BrightStrand International have signed an agreement for BrightStrand to become a technology solutions integrator for the [Shadowbase](#) line of data replication and transformation software. Shadowbase provides real-time, high-performance data replication that connects multiple databases and platforms for fast, reliable access to mission-critical data. Shadowbase not only provides a solution for traditional disaster recovery requirements, but also offers seamless integration of data from multiple data sources in real time. The BrightStrand-Gravic relationship will provide a professional support and service offering for NonStop server customers in the United Kingdom and selected European countries.

11) GreenHouse SECOM 6.2.0 offers remote command authorization

[GreenHouse](#) announces the latest release of its command-level security and ID hopping product, Secure Command Manager (SECOM). The new SECOM 6.2.0 version, available immediately, enables remote command authorization. Often, execution of critical tasks requires additional authorization—to add an extra measure of security that is similar to the methodology used by banks to open a safe, in which two or more persons are required. For IT personnel, the new remote command authorization feature meets these security needs while also providing increased flexibility and convenience. Previous SECOM versions required that authorizing persons be physically present at the terminal from which the command is initiated—an inconvenient approach, especially when authorizing persons are physically dispersed. With the new version of SECOM, persons required to authorize the command need only execute SECOM on the same system that the SECOM command is initiated. Authorization can be configured to be completed using either the authorized user's system password or a token-based challenge/response handshake.

12) Insession demonstrates WebGate:STS service-oriented architecture solution

Attendees at the recent ITUG Europe 2005 conference had 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—Web services
- SafeTGate—Single Sign-On (SSO) security
- WorkPoint—Business Process Management (BPM)

WebGate:STS eliminates the complexity of deploying an SOA and allows IT professionals to quickly adapt to changing requirements. View the [WebGate:STS](#) demonstration summary, recent articles on SOA, and register for a free demonstration of WebGate:STS.

13) NTI partners with WhiteCap Applications to introduce Periscope software

Network Technologies International ([NTI](#)), the provider of real-time data replication solutions for NonStop servers ([DRNet family of products](#)) and WhiteCap Applications ([WhiteCap](#)), specialists in virtual data integration for the enterprise, have partnered to bring [Periscope](#) software to the worldwide NonStop marketplace. Periscope is a product that works inside of the Oracle® database, linking external data sources directly into the database. Data remains distributed, yet can be accessed in real time out of the Oracle database as if the data were actually loaded into the Oracle database. With Periscope, NonStop server users now have real-time access to the complete NonStop file system out of an Oracle database.

14) TSI introduces a new scalable midrange NonStop S-series tape library

Tributary Systems Inc. (TSI) announces the immediate availability of the StorageTek SL500 tape library for NonStop S-series servers. The LTO-based library starts with a two-tape drive, 50-user cartridge configuration, and can scale up to 14 tape drives and more than 500 user cartridges, with modular add-ons in one industry-standard 19-inch rack. NonStop S-series servers are being supported with directly attached LTO Gen2 SCSI drives, giving the base library a native capacity of 6 terabytes and a compressed capacity of 12 terabytes. The library's native capacity will scale to more than 100 terabytes. For additional information about this new library, contact Larry Meyers, TSI, at +1 (817) 354 8009, ext. 32, or contact [TSI](#).

User group news

15) Certification vouchers at 2005 ITUG Australasia and OZTUG Conference

[Register](#) now for the 2005 ITUG Australasia and OZTUG Conference, July 25–26, in Sydney, Australia, and receive one free certification examination voucher for the [HP Certified Professional Program](#), offered by HP Education Services to each company that registers for this year's conference. Certification examination vouchers are limited and are available on a first-come, first-serve basis. This annual event is designed to meet the needs of NonStop server users by providing technical education and peer-to-peer networking. Managed by ITUG, the conference is an opportunity for NonStop server users to build relationships with local users and access the global knowledge of ITUG and HP.

- Learn about the exciting new Integrity NonStop server, based on the Intel Itanium processor. Experience a live, functional Integrity NonStop server at the conference and speak with HP experts about the server.
- NonStop server user speakers are Alex Geddes, director of ICT, Chelsea and Westminster Healthcare Trust and Ken Morris, Brisbane team leader and SDM, Aviation Systems, Airservices Australia.

Visit the [2005 ITUG Australasia and OZTUG Conference website](#) for a complete listing of technical sessions and abstracts as well as registration and housing information.

16) Mark your calendars: ITUG Summit 2005, October 23–27, San Jose

Mark your calendars for [ITUG Summit 2005](#), October 23–27, in San Jose, California. Hosted by ITUG, the International NonStop Users Group, and fully endorsed and supported by the NonStop Division, ITUG Summit 2005 is the most comprehensive educational event dedicated exclusively to NonStop products, services, and advanced software and hardware solutions. ITUG Summit is continually evolving to provide an enhanced technical program for all audience levels by listening to member requests. ITUG Summit 2005 will incorporate new elements to its program and will return with a Business Leaders Day (formerly Executive Program Day). Just announced: Ann Livermore, executive vice president of HP Technology Solutions Group, will deliver the HP keynote presentation. Register before July 31 and save US\$350 off the full registration price.

17) Call for customer presentations for ITUG Summit 2005 extended to July 15

HP encourages NonStop customers to share their positive NonStop system experiences at the ITUG Summit 2005 Conference, October 23-27 in San Jose, California, by presenting a case study, migration tips, or some other related topic. User speakers receive complimentary ITUG Summit 2005 registration, including access to all conference activities, scheduled meals, and social functions (a US\$1,525 value). The [Call for Speakers form](#) for NonStop system end users is available online. The deadline for submitting customer presentation ideas for the ITUG Summit 2005 has been extended to July 15, 2005. Questions? Contact [Kelly Kranak](#).

18) 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 and the Mid-Southern States NonStop Users Group (MSTUG) will host the Southeastern Regional NonStop Roadshow on July 11 in Memphis, Tennessee.
- **[BUG](#)**: The Boston Users Group
- **[BITUG](#)**: The British Isles NonStop User Group will hold an Integrity NonStop servers in the United Kingdom event on July 11 at the HP offices in Bracknell, England. Register now.
- **ANUG/China**: The Asia NonStop User Group held a meeting on June 7–8 in Beijing, China. For

more information, contact [Nigel Baker](#).

- [CTUG](#): The Canadian Tandem Users Group held its 2005 Spring Technical Session on June 28 in Toronto, Ontario, and June 29 in Montreal, Quebec.
- [DUST](#): The Desert Users of Tandem held a meeting on June 7 in Tempe, Arizona.
- [FINTUG](#): The Finnish regional Tandem Users Group
- [FTUG](#): The French Tandem Users Group will meet on September 15.
- [GTUG](#): The German Tandem Users Group
- [HUG](#): The Houston User Group
- [INUG](#): The Iberian NonStop Users Group held a one-day training session in early June.
- [InNUG](#): The India NonStop Users Group
- [KNUG](#): The Korean NonStop Users Group held its 2005 Summit meeting on June 14 in Seoul, Korea.
- [LATUG](#): The Latin America Tandem User Group
- [MATUG](#): The Mid-Atlantic Tandem Users Group will host the ITUG Southeastern Regional NonStop Roadshow on July 12 in Herndon, Virginia. Register now.
- [MCTUG](#): The Mid-Continent Tandem Users Group met on June 29 in Overland Park, Kansas.
- [METUG](#): The Middle East Tandem Users Group
- [MiTUG](#): The Michigan Tandem Users Group
- [MRTUG](#): The Midwest Region Tandem Users Group met on June 7 in Itasca, Illinois.
- [MSTUG](#): The Mid-Southern States NonStop Users Group will host the Southeastern Regional NonStop Roadshow on July 11 in Memphis, Tennessee. Register now.
- [N2TUG](#): The North Texas and Oklahoma Tandem Users Group will host the Southeastern Regional NonStop Roadshow on July 14 in Dallas, Texas. Register now on the N2TUG website. The group's next meeting will be on September 16, also in Dallas.
- [NCTUG](#): The Northern California Tandem User Group
- [NRTUG](#): The Northeast Region Tandem Users Group
- [OTUG](#): The Ohio Tandem Users Group will hold a meeting on July 21 in Enon, Ohio.
- [OZTUG](#): The Australian Tandem Users Group will hold its 2005 ITUG Australasia and OZTUG Conference and Trade Show, ITUG's Asia-Pacific Conference, on July 25–26.
- [PNUTS](#): The Pacific Northwest Users of Tandem Systems held a meeting on June 14 in Bellevue, Washington.
- [RMTUG](#): The Rocky Mountain Tandem Users Group held a meeting on June 8 and an Education Day on June 9 in Lone Tree, Colorado.
- [SATUG](#): The South African NonStop User Group
- [SCTUG](#): The Southern California Tandem Users' Group
- [Southeastern Regional NonStop Roadshow, July 11–15](#): The ITUG Roadshow will visit four cities in the southeastern region of the United States this summer: Memphis, Washington D.C., Dallas, and Tampa. Attendees will have an opportunity to hear about the latest hardware and software roadmaps from Derek Ginger, NonStop Regional Marketing, as well as presentations about third-party products. For more information, contact [Meredith Estes](#), ITUG Headquarters.

- [SunTUG](#): The SunCoast NonStop Users Group will host the Southeastern Regional NonStop Roadshow on July 15 in Tampa, Florida. The roadshow will be followed by a golf tournament on July 16. Register now.
- **Taiwan**: A meeting was held on June 10 in Taipei, Taiwan. For more information, contact [Nigel Baker](#)
- [TUMS](#): The Tandem Users of Minneapolis/St. Paul
- [VNUG](#): The Viking NonStop User Group will hold a conference on August 30–31 in Sweden.

Education news

19) Weekly Customer ConCalls in July and August

NonStop Customer Conference Calls will be held frequently during July and August to help customers understand the ins and outs of new Integrity NonStop servers. These one-hour webcasts, presented from 8:00 to 9:00 a.m. PDT (U.S.), are accessible over worldwide toll-free phone numbers for audio and use the HP Virtual Classroom (HPVC) for slide display. The Customer Conference Call format allows plenty of time for questions.

- July 14
Middleware Overview; Java™ on Integrity NonStop Servers
Presenters: Mike Zivkovic and Jim Peters
- August 4
The NonStop Advanced Architecture Value Proposition: Integrity NonStop Server Availability Compared to NonStop S-Series Server
Presenter: Bob Kossler
- August 11
Services for Integrity NonStop Servers
Presenter: Mike Scoles
- August 18
Club NSAA/ISV Partner Status; ISV Solution Availability for Integrity NonStop Servers
Presenters: Lisa Hansen and Sheri Wagener

[Sign up](#) now to receive conference announcements, to view upcoming presentations and/or last minute changes, or to replay previous calls.

Service and support news

20) Support Notes, June 2005

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

- Update to NonStop Transaction Management Facility (NonStop TMF) Disaster Recovery Plan

with audit-trail backup/restore (Support Note S02073C)

- Update to first customer ship (FCS) note for Enterprise Toolkit (ETK)—NonStop Edition cross compilers Update 10 (Support Note S05047A)
- Update to Open System Management (OSM) ESS disk configuration problem (Support Note S05051B)
- NonStop SQL/MX release identification conventions (Support Note S05061)
- NonStop SQL/MX Release 2.1.0 migration considerations (Support Note S05062)
- NonStop SQL/MX Release 2.1.0 ABU SPR backup tapes (Support Note S05063A)
- FCS note for NonStop JDBC Type 4 Driver, Update 2 (Support Note S05066)
- HP Atalla Ax100 system initialization notes (Support Note S05067)
- FCS note for HP Availability Stats and Performance (ASAP) Version 2, Update 6 software (Support Note S05068)

Fun stuff

21) Heidfeld and Webber pair in fine style

The [BMW WilliamsF1 Team](#) contests the 2005 FIA Formula One World Championship season with a new driver pairing. With nine of the season's 19 rounds completed, Sam Michael, WilliamsF1's technical director, takes positive stock of the cooperation between Mark Webber and Nick Heidfeld. "We have a particularly strong pairing," said Michael. "Nick and Mark work very well together, they both have their strengths, and they seem to play to that. It is getting better and better as the car gets faster."

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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