

NonStop Computing Update: August 2005

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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) Why the smart money bets on NonStop

Ever since NonStop defined the category of high-availability online transaction processing in 1976, it's been a popular choice for companies with applications that cannot afford to fail. But with the transition of the NonStop server to the 64-bit Intel® Itanium® processor in the new Integrity NonStop servers, the platform has become even more reliable, more powerful than before, and more standards-based. Even better, because the Integrity NonStop line now uses a standard chipset, it's more affordable, which means that companies that might not have been able to consider previous NonStop servers can now get the same ultra-high service levels, the same superb reliability, and the same investment protection that the platform has provided for almost three decades. "Maybe back in the late 1990s, you could get away with two to four maintenance hours per month. Now you can't afford to go down," says John Sandridge, VP of operations at Genpass, which handles ATM processing for more than 30,000 ATMs nationwide. "A five-minute downtime could put a lot of companies out of business...Once you lose a customer, it probably takes four times as much time and resources to recover that business," he adds. Sandridge says that's why he's stayed with the NonStop platform. "Running on NonStop helps me sleep better at night, knowing that every piece of the hardware is hot-swappable," he says. "All the newer hardware platforms out there still haven't proven to have the true uptime they advertise."

[Read](#) more about "Why our longtime customers chose NonStop, and how we have made it even cheaper and better".

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) Clipper Group report: Breathing new life into the NonStop platform

A report from [The Clipper Group Navigator](#) entitled "HP Gives Green Light to NonStop—Adapts Integrity for Failsafe Environments" (June 2005) states, "The Integrity NonStop Server has been introduced to breathe new life into the environment by bringing standards to NonStop and NonStop to standards...To the advantage of its traditional NonStop customers, HP has done what they set out to do: they have provided an evolution path for a generation of fault-tolerant NonStop enterprises that should provide them with investment protection and a level of scalability unheard of when their initial systems were installed. At the same time, by using standards and open systems components, they have enabled a new generation, and a new tier, of enterprises to avail themselves of a technology that can allow them to compete with enterprises with larger budgets, in industries that demand the highest levels of reliability and dynamic scalability."

3) Illuminata report: *Itanium Goes NonStop at HP*

A [report](#) from Illuminata entitled “*Itanium Goes NonStop at HP*” (June 2005) states, “Engineering the unique capabilities that made NonStop [servers] so attractive to [the world’s leading financial, travel, and telecommunications companies] has long meant [a] highly bespoke design that little leveraged the work that went into more mainstream systems. And that cast a certain pall over [the] NonStop [server]’s future, given that it filled an important niche, but a niche nonetheless. But that’s changed now. There’s still plenty of ‘special sauce,’ but the foundation is now largely shared with other HP servers. [Itanium] NonStop servers are now a full member of the Itanium-based Integrity family. Which is only fitting, given that the ‘Integrity’ trademark itself belonged to Tandem in the first place...HP has enabled the transition of a mission-critical, proprietary F/T environment to a failsafe commodity one...Much of the computing world has shifted to mass market hardware and software. And that hardware and software is clearly increasingly capable. But ‘good enough computing’ isn’t good enough for the highest-volume, most critical app[lication]s. They need more—better scalability, better manageability, and better protection.”

4) Standish report: Integrity NonStop TCO significantly less than IBM zSeries

A [report](#) from the Standish Group entitled “HP Integrity NonStop Servers—In The TCO Trenches” (June 2005) shows that the total cost of ownership (TCO) for Integrity NonStop is significantly less than that of the IBM zSeries. The Standish Group used the VirtualADVISOR database—utilizing five years of TCO research with 3,000 actual case studies in the database—to develop average price discounting assumptions and apply them to estimate projected costs of the Integrity NonStop server compared with other systems, including the IBM zSeries (mainframe) server.

5) Insession Technologies completes port to Integrity NonStop platform

HP partner Insession Technologies has completed the port of its ICE, SafeTGate, and WebGate software product families to the new Integrity NonStop server, an effort that involved moving approximately five million lines of code. “It was surprisingly painless,” noted Peter Shell, Insession’s director of Development. “Apart from a few minor compiler issues, the process was a lot better and a lot easier than I thought it was going to be.” As one of the earliest solution partners to join Club NSAA, Insession had ready access to the new Intel Itanium 2 processor-based server and visibility into HP’s progress in migrating its own code. ICE and WebGate products will be available at first customer ship for the Integrity NonStop server; SafeTGate on the new platform will be available in September 2005. According to Shell, the launch of the Integrity NonStop server marks an exciting time for HP. “It’s going to take them up another notch in terms of price/performance, and it will greatly enhance performance in the Java™ environment,” he said. “Users will also benefit from the aggressive technology roadmap Intel has laid out for the microprocessor.” It’s important to note, he added, that customers should not see any difference—other than the performance benefit—between running Insession software on the older NonStop S-series systems and the new Integrity NonStop server. “There shouldn’t be any pain in moving our software over,” Shell concluded. “Everything will just run a lot faster.”

Success stories

6) MyTravel selects comForte to integrate BEA and .NET with NonStop systems

MyTravel Northern Europe, the leading Nordic holiday and leisure group, has selected [comForte's JSL](#) (J2EE Server Link) and CSL (Client Server Link) products as middleware to connect BEA WebLogic and Microsoft® .NET based application servers to their back-end NonStop servers. At MyTravel, NonStop servers provide the enterprise tier for the travel reservation system. comForte's JSL, a standards-compliant J2EE connector, provides Pathway server connectivity for Enterprise JavaBeans running on BEA WebLogic servers and hosted on Itanium-based HP servers running Windows Server 2003. Likewise, CSL will enable .NET components to perform Pathway transactions, supporting MyTravel's future initiatives with the Microsoft .NET environment for the Web service layer of the booking system. With JSL and CLS, MyTravel can use a single infrastructure to support Pathway connectivity for both J2EE to .NET middle tiers. Other reasons for choosing comForte's products were significant performance and transaction rate advantages compared to other evaluated solutions and comForte's professional and customer-oriented support.

General news

7) High-end disk array at lower price offers business continuity and virtualization

HP has introduced a high-end disk array at an entry-level price for computing environments that need 24 x 7 business continuity with zero downtime. The [HP StorageWorks XP10000](#) Disk Array offers enterprise-class business continuity and advanced virtualization technology to businesses of all sizes. Additionally, new software for the StorageWorks XP family streamlines storage management, improves efficiencies, and reduces costs. Advanced virtualization technology within the XP10000 enables the implementation of tiered storage applications using internal and external storage capacity and flexible partitioning to simplify provisioning, which allows customers to adapt in real time to changing business needs. In addition, the disk array is completely heterogeneous, offering support for multiple operating systems including NonStop, HP-UX, Windows®, Linux, OpenVMS, Mainframe, Tru64, AIX, and Solaris.

8) Get connected at the inaugural HP Technology Forum

The inaugural [HP Technology Forum](#), to be held in the Morial Convention Center in New Orleans on September 12–15, will be the company's largest technical training venue and product solution showcase in North America. Technical users will be able to network and learn about the latest HP technologies and services that can help their businesses become Adaptive Enterprises able to synchronize business and IT to capitalize on change. Six of the IT industry's leading companies have agreed to sponsor HP Technology Forum 2005: BEA Systems, Inc., Cisco Systems, Citrix Systems, Inc., Intel Corporation, Microsoft Corporation, and Oracle Corporation. All the sponsors will be represented at the forum by key technologists, who will share their industry and technology insights with the forum attendees at specific breakout sessions. HP has also announced that former Ohio Senator and astronaut John Glenn will deliver the closing address at the event. A featured session entitled “Real-time Enterprise Solutions” will be presented by Dave Wilson, marketing director, NonStop Division. Other sessions highlighting

NonStop servers include the following:

- Case Studies in Real-time Enterprise Integration Solutions
- Integrity NonStop Servers: Fundamentals of Architecting Continuously Available Computing
- A Case Study: Building a Clinical Data Repository on an NonStop Platform to Help Improve Healthcare Outcomes at Scripps
- NonStop Server Advanced Architecture
- Linux and NonStop: Patterns for Implementing Hybrid Environments
- How to Use HP StorageWorks XP on a NonStop Server

Partner news

9) GreenHouse announces Backup/Restore Cryptographic Library

The GreenHouse Backup/Restore Cryptographic Library is a new security product that brings DES encryption to Backup and Restore programs. The library enhances Backup and Restore functions to encode data before it is backed up to tape and decode data before it is restored to disk. The user can choose from five DES variants: ECB, CBC, Triple ECB, Triple CBC, and Trio ECB. A test copy of the product can be [ordered](#).

10) Insession Technologies addresses business process management

Organizations worldwide are implementing business process management (BPM) solutions to streamline business processes and improve efficiency within the organization. However, many companies are still trying to determine the benefits of a BPM solution. Insession Technologies offers NonStop server users a comprehensive BPM solution with WorkPoint. WorkPoint allows users to define, model, execute, monitor, and optimize very simple to the most complex business rules and processes. With WorkPoint, companies are able to easily adopt new practices, provide new services, and better respond to evolving business requirements. Get more [information](#) about WorkPoint and the benefits of BPM.

Also, see WorkPoint [customer case studies](#) and white papers.

11) TapeLabs announces Virtual TapeServer self-serve software portal

Tape Laboratories announces that the Virtual TapeServer (VTS) self-serve software portal is now open to all VTS users with support contracts. The portal is the gateway to a specialized site where users can download VTS software version updates, peruse release notes, and browse the VTS Knowledge Base. The portal site login is located at <http://vts-support.tapelabs.com> and is also accessible from the [TapeLabs website](#). Anyone can browse the Knowledge Base, which provides a repository for VTS FAQs, specifications, ideas, how-to suggestions, and other VTS-oriented topics of interest. VTS is sold and supported by HP. For more information, contact TapeLabs at +1 (310) 577 1700.

12) TSI participates in the introduction of the Integrity NonStop server

Tributary Systems Inc. (TSI) is participating in the introduction of the Integrity NonStop server by

supplying the NonStop Division with the following product portfolio:

- M8201, a one-port Fibre Channel to two-port SCSI router
- M8501, a LTO Gen3, 15-cartridge, rackmount autoloader
- M8502, a LTO Gen3, 15-cartridge, tabletop autoloader
- M8503, a LTO Gen3 tape drive for the L700/L700M tape library

For additional information about these new products, contact Larry Meyers at +1 (817) 354 8009, ext. 32, or contact [TSI](#).

User group news

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

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

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

14) Regional User Group updates

ITUG has more than 30 active Regional User Groups (RUGs) worldwide and numerous SIGs. Get 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) hosted the Southeastern Regional NonStop Roadshow on July 11 in Memphis, Tennessee.
- [BUG](#): The Boston Users Group
- [BITUG](#): The British Isles NonStop User Group held an Integrity NonStop server event on

July 11 at the HP offices in Bracknell, England.

- [CTUG](#): The Canadian Tandem Users Group
- [DUST](#): The Desert Users of Tandem will hold a meeting on September 13 in Tempe, Arizona.
- [FINTUG](#): The Finnish regional Tandem Users Group
- [FTUG](#): The French Tandem Users Group will meet on September 15.
- [GTUG](#): The German Tandem Users Group
- [HUG](#): The Houston User Group
- [INUG](#): The Iberian NonStop Users Group will hold a meeting on October 20 in Madrid.
- [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 hosted the ITUG Southeastern Regional NonStop Roadshow on July 12 in Herndon, Virginia.
- [MCTUG](#): The Mid-Continent Tandem Users Group
- [METUG](#): The Middle East Tandem Users Group
- [MiTUG](#): The Michigan Tandem Users Group held a meeting on July 22 in Livonia.
- [MRTUG](#): The Midwest Region Tandem Users Group
- [MSTUG](#): The Mid-Southern States NonStop Users Group hosted the Southeastern Regional NonStop Roadshow on July 11 in Memphis, Tennessee.
- [N2TUG](#): The North Texas and Oklahoma Tandem Users Group will meet on September 16 in Dallas, Texas. The group hosted the Southeastern Regional NonStop Roadshow on July 14, also in Dallas.
- [NCTUG](#): The Northern California Tandem User Group
- [NRTUG](#): The Northeast Region Tandem Users Group
- [OTUG](#): The Ohio Tandem Users Group held a meeting on July 21 in Enon, Ohio.
- [OZTUG](#): The Australian Tandem Users Group held 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
- [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 hosted the Southeastern Regional NonStop Roadshow on July 15 in Tampa, Florida.
- [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

15) Lineup of Customer ConCalls continues in August and September

The lineup of frequent [NonStop Customer Conference Calls](#) continues during August, September, and October to help customers understand the ins and outs of the new Integrity NonStop servers. These one-hour webcasts, presented from 8:00 to 9:00 a.m. PDT (U.S.), are accessible over worldwide toll-free phone numbers for audio and use the HP Virtual Classroom (HPVC) for slide display.

- 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
- September 1
What's New for NonStop SQL/MX Software
Presenters: Karel Youssefi and Mala Chandra
- October 6
JDBC and NonStop SQL/MX Middleware Overview
Java on Integrity NonStop Servers
Presenters: Mike Zivkovic and Jim Peters

The Customer Conference Call format allows plenty of time for questions.

Service and support news

16) Support Notes, July 2005

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

- Update to Open System Management (OSM) ESS disk configuration problem (Support Note S05051C)
- Diablo power supply metal clip rework (Support Note S05069)
- AXCESS/STAX 24-port hub End of Service Life (EOSL) (Support Note S05070A)
- First customer ship (FCS) note for HP Instant Support Enterprise Edition (ISEE) on NonStop servers (Support Note S05071)
- Tape drives and tape subsystems EOSL (Support Note S05072)
- FCS note for NonStop RSC/MP Demo Version 1, Update 13 (SM69V1) for NonStop S-series servers (Support Note S05073)
- Laser and serial printers EOSL (Support Note S05074)
- FCS note for NonStop AutoSYNC software Update 5 for Integrity NonStop and NonStop

S-series servers (Support Note S05075)

- FCS note for NonStop AutoTMF software Update 5 for Integrity NonStop and NonStop S-series servers (Support Note S05076)

Fun stuff

17) Michael aiming for higher-level competition

The [BMW WilliamsF1 Team](#) has recently endured a couple of challenging races, but the Anglo-German partnership is hoping to make up lost ground at the home event of BMW at Hockenheim, Germany. Sam Michael, technical director, WilliamsF1, is looking forward to the weekend ahead. “After the British Grand Prix, we've been working hard at the factory, in the wind tunnel, and at the test in Jerez to understand and improve the performance of the FW27,” the Australian reveals. “Nick, Antonio and Nico all contributed as we worked through many mechanical and aerodynamic setups. Jerez marked the final test before the summer testing ban and we have made some progress. WilliamsF1 is a winning team, as history confirms, and we look forward to competing at a higher level as soon as possible.”

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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