



NonStop Computing Update

March 2008



Welcome to the March 2008 edition of the *NonStopComputing Update*, a newsletter providing the latest information about HP Integrity NonStop and HP NonStop servers.

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Important Phone Numbers and Links

Rabobank wins technology optimization award

Rabobank, running its mission-critical applications on Integrity NonStop servers, has achieved near-perfect availability rates and implemented innovative technological approaches that have won the company the HP Software Business Technology Optimization award, given at HP Software Universe 2007 in Barcelona.

At Rabobank, HP Quality Center software, Performance Center software, Business Availability Center software, and Service Management Center software bridge technology and business silos, providing an end-to-end view of business and operational performance. With the ability to measure service quality from the end-users' perspective, the IT organization delivers on business-based service levels that its branches understand and that better reflect business demands. Tripling test coverage with HP software further improves service quality for the bank.

Better business outcomes include:

- Tripling the test coverage
- Improving overall performance and stability of business-critical applications
- Reducing mean time to repair by integrating service health information with service desk processes

EDI healthcare system for HIPAA stakeholders

Driven by the transaction and code set mandates of the Health Insurance Portability and Accountability Act of 1996 (HIPAA), the healthcare and financial communities are increasingly implementing real-time systems that provide a reliable electronic data interchange (EDI) gateway for the processing of healthcare transactions. In a new HP brochure, learn how to implement a real-time system that provides a reliable EDI gateway for the processing of healthcare transactions using Integrity NonStop servers and edisolve EDI management and workflow processing solutions.

>> [Download the brochure.](#)

NonStop SQL/MX performance and manageability improvements

A new release of NonStop SQL/MX software provides improvements in compile time and greater ease of use in managing the database. NonStop SQL/MX Release 2.3.1 software leverages the core scalability and reliability strengths of NonStop servers and demonstrates HP's firm commitment to improve programmer productivity and deliver unique value to customers. NonStop SQL/MX 2.3.1 software is available now, with the generally available Release Version Update (RVU) H06.13 of the NonStop operating system, Mission Critical Edition. Key features include enhancements to the Memory Allocator, the DISPLAY USE OF command, and the IMPORT utility as well as a Plan Versioning feature, an option to Suppress Automatic Transaction Starting, and general maintenance fixes.

>> [Read more details.](#)

RVU H06.13 for Integrity NonStop servers

H06.13 is a generally available RVU of the NonStop Operating System, Mission Critical Edition, supporting Integrity NonStop servers. Highlights of RVU H06.13 include the following new and enhanced functions, as well as defect repair:

- Support of the NS14200 system, based on the new Intel® Itanium® processor 9100 series (available later this month).
- Introduction of the Open System Services (OSS) NonStop ODBC/MX Client Driver, which provides access to NonStop SQL/MX databases on NonStop servers conforming to the Microsoft® ODBC 3.5 specification.
- Support for a new storage subsystem option, FASTBULKWRITE, that improves throughput and concurrency for FUP DUP operations on unstructured files.
- Update of Native Inspect to version 5.5 of the HP Wildebeest Debugger (wdb).
- Greater NonStop Transaction Management Facility (NonStop TMF) control when transaction thresholds are reached.

- Compressing fault management cycle through automation and real-time management dashboards
- Gaining ability to measure performance levels and ensure that IT meets its SLAs
- Achieving near-perfect availability rates: 99.9% for the online payment site, 100% for ATM Central Management, and 99.8% for Oracle's Siebel application

>> [See the details.](#)

Gartner gives annual report cards to server makers

According to Timothy Prickett Morgan at *IT Jungle*, "The analysts at Gartner have finished their box and sales counting for the worldwide server market for 2007, and the good news is that companies continued to invest in server technology, boosting worldwide sales by 3.8 percent to US\$54.8 billion compared with 2006...HP is still the king of server shipments worldwide... and NonStop shipments climbed by 13.8 percent."

>> [Read the full article.](#)

- Support for the HP Versatile Ethernet ServerNet enclosure. The V4SE and V8SE are available with either 4-Gb or 8-Gb Ethernet ports, respectively.

>> [Read more.](#)

Integrity NonStop volume level data encryption

NonStop customers have grown increasingly concerned about the security of sensitive or regulated data. Security solutions such as firewalls and intrusion detection systems can be deployed at the network perimeter, but these fail to address the majority of attacks that originate inside the firewall. When data is stored in clear text, insiders, contractors, or attackers can easily gain access to sensitive information. Such risk to data multiplies when organizations migrate from direct attached storage to networked environments. By locking down stored data with strong encryption and transparently routing all access through secure hardware, NetApp® DataFort appliances radically simplify the security model for data in Fibre Channel-connected storage. The encryption solution uses the NetApp third-generation Lifetime Key Management (LKM) system to provide enhanced enterprise-wide key archiving and retrieving features. HP has qualified the DataFort appliance as a recommended solution for encrypting data stored on Fibre Channel-connected disks on Integrity NonStop and NonStop S-series servers, and it is sold and supported by the Storage Security Business Unit division of Network Appliance (formerly Decru).

>> [Download the HP brochure about NetApp DataFort, go to the press release,](#) and [check the NonStop Security web page for periodic updates.](#)

Life-critical healthcare requires the assurance of HP Integrity servers

While system downtime is a major concern in the healthcare industry, it's just one of the hurdles faced. Additional challenges range from rising costs to shrinking reimbursements to complex data growth, stringent regulations, and demanding patients. In a new HP healthcare brochure, you can learn how HP Integrity servers—running NonStop, HP-UX, Linux, and Windows® operating systems—are providing a powerful IT infrastructure that delivers the reliability and availability needed to reduce medical errors, provides the power and performance to handle the volumes of data analysis pharmaceuticals require, and improves efficiency and the quality of patient care while reducing costs.

"The bottom line is that we've seen more than an 80 percent reduction in medication errors while at the same time saving in excess of two and a half million U.S. dollars per year through increased productivity through implementing CPOE on NonStop servers."

—Dr. Matthew Berger, Director of Medical Services, Einstein Division, Montefiore Medical Center.

>> [See the new brochure.](#)

HP Secure Advantage: Balancing productivity and security

Productivity versus security is an age-old balancing act. Get it right and you've got innovation; get it wrong and you've got trouble. Today, when the line between insider and outsider has all but disappeared, the IT infrastructure that enables seamless collaboration also provides access to sensitive business information—and exposure to significant financial and compliance risk. HP's Secure Advantage portfolio puts at your fingertips all of the hardware, software, and service tools you need to protect your entire infrastructure—from the desktop to the data center.

Find out [more about Secure Advantage](#) or see it in action in the HP booth at the [RSA Conference 2008](#), the nation's most comprehensive forum on information security, in San Francisco, April 7–11.

New customer wins drive HP BladeSystem growth

Customers such as Blue Cross Blue Shield of Alabama, MRV Engenharia of Brazil, and the University of Plymouth in the United Kingdom are among those that have chosen HP BladeSystem over competing offerings to increase hardware utilization, improve energy efficiency, and control data center costs. These and other news customers have helped HP increase its server blade market share lead. According to fourth calendar quarter 2007 figures

Availability Digest revisits failure state diagrams

The *Availability Digest* weighs intuitive versus formal approaches for calculating system failure probabilities. Also discussed is the MapReduce function driving Google's parallel computing facility, the use of logical clocks in systems not requiring Network Time Protocol (NTP) time synchronization accuracy, and the value of a backup plan when severed cables kill the Internet. www.availabilitydigest.com

BATCHPOL enhanced functionality for NetBatch-Plus

BATCHPOL is a client/server application designed to manage, monitor, and schedule tasks or batch streams using NonStop NetBatch and NetBatch-Plus products. New features include job definition import, business continuity features, enhanced job filtering, and a "My Favorite Commands" facility. For more information on BATCHPOL version 145.028b, contact [Unlimited Software Associates](#) or call +1 (610) 296 2633.

comForte updates SecurTN: Eases Telnet encryption

The comForte SecurTN product enables secure, scalable, and manageable Telnet access to NonStop applications. Available now, the latest release of SecurTN features an SPI interface that streamlines integration with a range of third-party products as well as SCF. [Learn more](#) online.

GreenHouse REPRIEVE prevents DoS attacks

GreenHouse announces REPRIEVE, a product that allows you to save and use the HP Safeguard AUTHENTICATE_FAIL_FREEZE option without possible misuse of the setting for a Denial-of-Service attack. REPRIEVE supports compliance with PCI 8.5.13, which requires a user to be locked out for 30 minutes after six authentication attempts have failed. [Read more](#).

Merlon Software releases SQLXPress V2

Merlon SQLXPress Version 2 is a comprehensive database management solution for use with NonStop SQL software, now supporting both NonStop SQL/MX and NonStop SQL/MP tables. Version 2 supports database administration, execution plan management, an SQL scripting language, a Visual Query Builder, data browsing and editing, and a new Copy SQL/MX Statistics function. [See complete details](#).

NTI introduces DRNet/OPEN

Now available from [Network Technologies International](#), DRNet/OPEN is a Java™ extension to the company's data replication technology, enabling extension of NonStop server I/O to most open platform databases. DRNet/OPEN is an optional product that can be added onto existing disaster recovery solutions.

released by industry analyst firm IDC, HP now holds 45.5 percent unit shipment share and 47.7 percent factory revenue share of the US\$1.2 billion blade server market.

>> [Find out more.](#)

Service and Support News

Support Notes, February 2008

>> [View NonStop technology Support Notes released during February 2008.](#)

User Group News

HP User Groups to host new event

Plan now to attend Community Connect Europe 2008, presented by ITUG, HP-Interex EMEA, and Encompass—your HP user communities. This first-ever event, to be held November 10–12 in Mannheim, Germany, provides the opportunity for users, prospects, and third-party vendors throughout the EMEA region to gather in one place for learning, networking, and communicating, as well as acquiring new knowledge and sharing individual and corporate experiences. Community Connect Europe 2008 will continue to provide traditional NonStop content, while providing additional educational and networking opportunities for users of other HP Enterprise platforms.

Interested in participating in the Community Connect Europe event? Plan now to attend and submit a presentation proposal for the Community Connect Europe 2008 Call for Speakers. See more information at www.itug.org and save the date. Registration goes live in early May.

ITUG Summit 2008 preconference seminars

Consider maximizing your conference investment and enhancing your educational experience at the ITUG Summit 2008 at the HP Technology Forum & Expo, June 16–19, in Las Vegas by signing up for one of the following Integrity NonStop server preconference seminars. Registration of US\$550 (US\$450 for ITUG members) includes the full-day seminar, course materials, as well as breakfast and lunch.

- Quick Introduction to NonStop Server Fundamentals (HP Education and Training)
- Quick Introduction to NonStop SQL/MX Database for SQL/MP Users (HP Education and Training)
- Quick Introduction to SOA/Web Services on NonStop (HP Education and Training)
- Quick Introduction to NonStop Enterprise Plugins for Eclipse (HP Education and Training)
- Active/Active Systems: Theory and Practice (Bill Highleyman, the *Availability Digest*)
- Challenges and Solutions for 24x7 Continuous Availability and Unlimited Scalability in Mission-Critical NonStop Environments (Glenn Goodrich, GoldenGate)
- MR-Win6530: Making the Most Out of the New Console Emulation (Thomas Burg and Steven Powell, comForte)
- Security Compliance Education and Practical Solutions for the NonStop Server (Lisa Partridge, XYPRO)

>> [See seminar abstracts and additional information.](#)

Regional User Group updates

There are more than 30 active ITUG Regional User Groups (RUGs) worldwide.

NRTUG: The Northeast Tandem Users Group (NRTUG) will hold a meeting on March 28 in New York.

BITUG: The British Isles NonStop Users Group (BITUG) will hold a SIG meeting on April 9 about Security Risk and Compliance.

DUST: The Desert Users of Tandem (DUST) will hold a meeting on April 15 in Scottsdale, Arizona.

>> See the [complete ITUG calendar for RUGs and SIGs](#).

Education News

Upcoming Customer Conference Calls

The following 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.

April 3

Topic: NonStop Virtual Tape Server (VTS) Technical Update

Presenters: Larry Mendoza and Jim Miller

April 10

Topic: NonStop Web Viewpoint and PocketViewpoint

Presenters: Khody Khodayari and George Haskell

April 24

Topic: Multi-core Sales Presentation

Presenters: Wil Marshman, Nestor Fernandez, and Mittal Parekh

>> [Sign up for conference call announcements, view upcoming presentations, or replay previous calls.](#)

Spotlight HP

Special HP report: Energy efficiency

Data center energy consumption is growing rapidly, and increasing energy costs are impacting IT budgets. Find out about new advances that can help data centers keep cool. Learn how you can stop money from evaporating with every unnecessary BTU. You might save administration costs as well. The Energy Efficiency website includes a whole array of featured articles, videos, podcasts, webinars, and more to help make your data center more energy efficient.

>> [Go to the Energy efficiency website.](#)

Important Phone Numbers and Links

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

» **Service-oriented architecture (SOA) on NonStop servers**

Enabling applications to work better together and new business processes to be deployed quickly.

» **NonStop news**

The very latest NonStop product news.

» **Global Mission Critical Solution 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, and 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.

» **Integrity NonStop server partner solutions and applications search tool**

Interactive, cross-platform tool to quickly find NonStop 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**

» **Better modernization for legacy mainframes**

» **Why Buy NonStop?**

Support for selling the NonStop value propositions to the executives in your company.

» **ITUG**, a user group for the NonStop server community:
+1 (312) 321 6851

» **NonStop Services & support**

» **Network & service providers**

Technology for better business outcomes

For more information, go to www.hp.com/go/nonstop.

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