



NonStop Computing Update March 2007



Welcome to the March 2007 edition of the *NonStop Computing Update*, a newsletter with information about HP Integrity NonStop and HP NonStop servers.

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Canada's TD Bank Financial Group the first to operate IFX standard across its ABM network

Canada's TD Bank Financial Group has become the first financial institution globally to operate the Interactive Financial eXchange (IFX) specification—an emerging standard for open and interoperable online financial services and data interchange—across its entire automated banking machine (ABM) network. The first of TD Bank's new ABMs went live in June 2006, running on NonStop systems and the IFX standard messaging protocol. More than 2,500 ABMs have now been replaced with highly reliable and highly available standards-based technologies, enhancing the access, security, and overall user experience for retail customers across Canada.

These milestones represent the completion of the first phase of TD Bank Financial Group's seven-year outsourcing agreement with HP to deliver next-generation ABM capabilities for the bank's national Green Machine network. Benefits include the following:

- Open standards, such as IFX, that are not proprietary to an ABM hardware vendor allow for greater flexibility to deploy new functionality.
- A collaborative approach provides economies of scale, helping TD Bank Financial Group minimize the cost of maintaining, updating, and ensuring 24x7 availability of its ABM network.

Winston Prather: Our new NonStop Enterprise Division VP and GM

Winston Prather has been named the vice president and general manager of the NonStop Enterprise Division, reporting directly to Martin Fink. In November 2006, HP combined its high-end server businesses into a [new organization, called HP Business Critical Systems, headed by Fink](#). The new group is composed of the groups that were formerly known as Business Critical Servers, the NonStop Enterprise Division, and the Open Source and Linux Organization. It also includes the High Performance Computing Division, which Prather will continue to lead as vice president and general manager. "Winston Prather is an excellent choice for the top NED position, as most of his 24 years with HP have centered on our largest commercial enterprise customers running OLTP environments," said Fink. "Of particular interest to Communications, Media and Entertainment (CME) customers is the pivotal role he played in creating the Telecom Systems Operations organization, which was chartered with accelerating HP's position in the carrier grade server and storage market. The NonStop Enterprise Division is in extremely capable hands with Winston at the helm."

>> [Read more.](#)

RVU H06.09 for Integrity NonStop servers

H06.09 is a generally available Release Version Update (RVU) of the NonStop Operating System, Mission Critical Edition, supporting Integrity NonStop servers. Available now, highlights of RVU H06.09 include the following new and enhanced functions, as well as defect repair:

- Profile Guided Optimizations (PGO) options allow the C/C++ and pTAL compiler to use data collected during test program execution to produce more efficient object code.
- In addition to the Microsoft® Windows® operating system, the profmgr utility can now be installed and executed on the NonStop server, in both the Open System Services (OSS) and the Guardian environments.
- Safeguard password enhancements provide options for certain rules governing user or alias passwords. Other enhancements allow the use of embedded spaces in user or alias passwords.
- The newly added FC SNIA Library provides selected functionalities of the Common Host Bus Adapter (HBA) API. This C library interface is used by applications managing system area networks (SANs) to obtain required information from HBAs.

>> [See a complete list of product versions and software product revisions \(SPRs\) included in RVU H06.09.](#) Navigate to H06.09: Publications:Release and Migration.

- An “always-on” network provides the highest degree of system reliability, availability, and speed.
- Built-in scalability enables new services such as smart cards to be made available as they come on-stream.
- The solution encompasses new ABM banking standards for compliance and supports the bank’s adherence to regulated security and accessibility standards.

>> [Go to the press release.](#)

Toronto Stock Exchange replaces core trading engine hardware with Integrity NonStop servers

The Toronto Stock Exchange (TSX) group has signed a \$20 million (Canadian) contract to replace its core trading engine hardware with new Integrity NonStop servers. According to articles from *finextra.com* and *Mondo Visione*, the move was announced by incoming CIO Brenda Hoffman and is the latest phase of the TSXPress initiative, which is expected to go live this summer.

The TSXPress initiative, launched in mid-2005, is an innovative series of trading system enhancements aimed at optimizing execution speeds for algorithmic traders on the TSX platform. Recent research released by capital markets analyst firm Forefactor indicates that more than one-third of total trades originating in Canada are now executed algorithmically. The new hardware will provide TSX Group’s exchanges with faster messaging capabilities and greater overall computer processing power.

Partner News

Availability Digest highlights migration to active-active

The [Availability Digest’s March issue](#) is a must-read for those who want to migrate old applications into an active-active environment. Other topics include microbooting for fast recovery, Telecom Italia’s active-active mobile services, and a Geek Corner discussion on failover faults. The monthly *Availability Digest* focuses on continuous processing architectures and active-active technology. To read the complete articles, sign up for a [free monthly subscription](#).

Bowden NTP and SNTP products updated for USA DST

Bowden Systems has tested and updated its NTP and SNTP product for the March Daylight Saving Time (DST) change. The update involved testing before and after the DST transition. The Bowden 6530 emulator for Linux is also updated, supporting the Linux Enterprise Server V4 and Application Server V4 systems. For more information, contact sales@bsi2.com or <http://www.bsi2.com>.

Dubai Islamic Bank uses J6530 Secure with Arabic language support

Dubai Islamic Bank (DIB) uses comForte’s J6530 Tandem Terminal emulator for secure access to its core banking application hosted on NonStop servers. “Arabic language compatibility has been a key requirement, since our core banking screens are in Arabic,” said Ganesh Gangadharan, DIB’s project leader. “With J6530 as a Java-based solution, we have also removed the operating system dependency of the client installation and successfully implemented encrypted data exchange.” [Read more.](#)

New BDS FileMarshal version offers more features

BDS FileMarshal provides secure file delivery over HTTP SSL. Version 2.0 now supports integration with LDAP and AD authentication, plus an Upload Manager that makes uploading large files easier, with checkpoint restart and automatic recovery from network problems. A Web Services API is also available. Find [more information](#) on the TIC website.

TSI enhances VITAL’s encryption capabilities

Tributary Systems Inc. (TSI), after several successful VITAL installations, now offers an industry-leading choice of software-based or FIPS 140-2 level 3 encryption capabilities for both VITAL’s virtual data cache and its physical tape storage, whether local or remote. For additional information, contact Larry Meyers at +1 (817) 354 8009 or salesusa@tributary.com.

USA offers SecurSH for NonStop servers

Unlimited Software Associates (USA) now includes SecurSH as part of its security solution offerings. SecurSH, developed by comForte, provides secure shell connectivity for NonStop servers. It delivers end-to-end communications security, strong authentication, auditing for system

TSX Markets President Rik Parkhill said, "Our technology provides us with a platform to acquire a larger share of the algorithmic trading that's growing both within Canada but also across the border." He added, "Our aggressive technology enhancements coupled with our long history of providing leadership in high-technology trading allows us to compete with the biggest and best markets in the world."

>> Read the full [finextra.com](#) and [Mondo Visione](#) articles.

General News

HP offers networking solutions for servers

According to an article from [eweek.com](#), HP is looking to add an extra layer of virtualization to the data center. HP has expanded its [Virtual Connect Architecture](#) for its c-Class blade platform with new Ethernet and Fibre Channel modules. HP's Virtual Connect Architecture, which is derived from virtualization capabilities found on the high-end NonStop systems, allows HP's blade customers to create virtual interconnect fabrics. Dramatically simplifying network connectivity and common server management tasks across the data center, the HP Virtual Connect Ethernet and Fibre Channel virtualization modules enable administrators for the first time to wire just once and then add, replace, or recover servers on the fly. In addition to lowering capital and operating costs, the modules deliver simplified management capabilities that reduce the time it takes to execute these actions from hours or days to a matter of minutes.

administration, and secure file transfer. SecurSSH addresses the most critical security requirements of large enterprises and is SSH2 protocol compliant. [Read more online.](#)

User Group News

Registration open for ITUG Summit 2007

[Registration is now open](#) for ITUG Summit 2007 at the HP Technology Forum and Expo, June 18–21 in Las Vegas. And it pays to register early: All ITUG members that register by April 15 will be entered into a raffle for a chance to win a flat screen TV. So come and experience the premier event for user training and technical information for NonStop server customers. By attending, NonStop customers will be exposed to the broad range of HP technologies while maintaining access to NonStop platform-focused user training, technical information, networking, and the vendor exhibition you've come to expect from ITUG Summit.

>> [Check the latest program details.](#)

Regional User Group updates

There are more than 30 active ITUG Regional User Groups (RUGs) worldwide. Currently published meeting schedules are listed here.

- » BITUG: The British Isles NonStop User Group (BITUG) will hold a Security SIG Meeting on April 25.
- » CTUG: The Canadian Tandem Users Group (CTUG) will hold a Spring Technical Session on April 18 in Toronto, Canada.
- » DUST: The Desert Users of Tandem (DUST) will hold a meeting on April 17 in Phoenix, Arizona, including presentations about SOA from HP, Crystal Point, and River Rock Software.
- » FinTUG: The Finnish Tandem Users Group (FinTUG) will hold a seminar April 16–18 aboard a cruise from Helsinki to Stockholm.
- » MATUG: The Mid Atlantic Tandem Users Group (MATUG) will hold a meeting on April 20 in Dulles, Virginia.
- » MITUG: The Michigan Tandem Users Group (MITUG) will hold a meeting on March 15 in Livonia, Michigan.
- » MRTUG: Midwest Region Tandem Users Group (MRTUG) will hold a meeting on March 14 in Downers Grove, Illinois.
- » N2TUG: The North Texas, Oklahoma Tandem Users Group (N2TUG) will hold the 2007 Lonestar Summit on April 12 at the Dallas/Plano Marriott Hotel.
- » OTUG: The Ohio Tandem Users Group (OTUG) will hold a meeting on March 16 in Columbus, Ohio.

>> Read the [eweek.com article](#) and the [HP press release](#).

The Real Story: Open Systems Storage Management

The HP Real Story series communicates topical news and views in the world of computing, providing fact-based content on the “story behind the story.” The latest addition to the series spotlights open systems storage management. In an effort to simplify their IT environments and reduce costs, customers are looking for a source of storage management that is both open and versatile, and that supports a broad range of mixed components. HP is delivering products today that fill this need for simplified, open storage resource management for use in heterogeneous environments.

>> [Read the Real Story](#)

Service and Support News

Support Notes, February 2007

>> [View NonStop technology Support Notes released during February 2007](#).

» RMTUG: The Rocky Mountain Tandem Users Group (RMTUG) meeting will be held March 15 in Lone Tree, Colorado.

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

Education News

Preconference seminars at ITUG Summit 2007

Maximize your ITUG Summit 2007 event experience by arriving a day early and attending one of the following preconference seminars. Additional registration fees are required.

- Quick NS-series Servers Fundamentals
- Quick H-series Operating System Run-Time Architecture
- Quick Introduction to NonStop SQL/MX Query Analysis
- Quick H-series Operating System Application Migration
- Designing EVA Storage Solutions—Getting it Right the First Time
- Managing Enterprise Infrastructure Events for Availability and Regulatory Compliance
- High Availability Technologies and Best Practices
- System Administration Power Tips and Techniques
- Soft Skills for the IT Professional
- Network Security

>> [Go to ITUG preconference seminar abstracts and speakers](#).

April Customer Conference Call: Service Oriented Architecture Technical Update

During the Customer Conference Call on April 5, Wil Marshman and Kevin Evans will present a technical update on Service Oriented Architecture (SOA). The webcast is presented from 8:00 to 9:00 a.m. PDT (U.S.), is accessible over worldwide toll-free phone numbers for audio, and uses the HP Virtual Classroom (HPVC) for slide display.

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

Spotlight HP

HP and Oprah: Putting technology in the hands of future leaders

In 2006, HP collaborated with the Oprah Winfrey Leadership Academy Foundation in support of the Oprah Winfrey Leadership Academy for Girls—South Africa, committing to invest more than US\$500,000 in equipment and technical support over the next three years. The Academy’s objective—offering disadvantaged academically talented girls an opportunity to develop their full intellectual, social, and leadership potential—aligns directly with HP’s vision of increasing access to technology and accelerating economic development in underserved communities around the world. [Read more](#).

Important Phone Numbers and Links

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

» [Why Buy NonStop?](#)

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

» [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, 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](#)

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

» [NonStop Services & support](#)

» [Network & service providers](#)

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