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## NonStop Computing Update January 2007



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

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### For Bank-Verlag, success is sweet

Wolfgang Breidbach was right. Looking ahead to the implementation of the new Integrity NonStop platform in Bank-Verlag's IT shop, he stated: "According to current projections, the Itanium processor-based NonStop system will be three times faster than what we have today." And that's just what happened. The Integrity NonStop servers are now up and running, and they are delivering three to four times the performance of the systems they replaced—with excellent total cost of ownership (TCO), as verified by regular external production benchmarking. For Breidbach, who manages system services at Bank-Verlag, success is sweet.

Founded in 1961, Bank-Verlag now provides a complete technical infrastructure for Germany's private banks, including all products and solutions required for smooth, cost-effective banking operations. The company also offers a continuously available online and backup data center, as well as a full range of IT services such as hosting, outsourcing, and application service provision for the finance sector. Since 1988, Bank-Verlag has relied on NonStop system technology to handle a wide variety of its most demanding processing tasks. The company's excellence in mission-critical execution has twice been recognized through the Availability Award program of ITUG, the independent NonStop system user group.

### InformationWeek highlights HP's use of the HP Neoview enterprise-class data warehouse platform

An extensive [InformationWeek](#) article entitled "Inside Hewlett-Packard's Data Warehouse Gamble" (John Foley, 1/06/07) ] describes how HP is aiming a serious effort to be more aggressive in the Business Intelligence (BI) market with new technology that the company is also using for its own data warehousing efforts. HP recently extended its broad portfolio of BI solutions by bringing this technology, the HP Neoview data warehouse platform, to market.

The article includes comments from HP CIO Randy Mott about HP's use of the Neoview platform for a massive internal data warehouse consolidation. According to the article, "[The new data warehouse] already has 180 terabytes of raw data and 75 terabytes of 'usable' data. By 2008, it will be at least twice that size. Some 50,000 employees, a third of HP's global workforce, will have access to it. Eventually, HP's suppliers, distributors, and business customers will too, Mott says. A stickler for deadlines and accountability, Mott is managing HP's three-year IT overhaul and joined-at-the-hip data warehouse with the hands-on attention Ike gave to D-Day."

Another [InformationWeek article](#), published by the same author two days later (*NCR Spins Off Teradata To Face An Aggressive HP*, John Foley, 1/08/07), reports that "NCR disclosed plans...to spin off its Teradata data warehousing business as a separate company. The decision comes only a few months after Hewlett-Packard, under CEO Mark Hurd, entered the data warehousing market, putting HP in direct competition with Teradata."

Find out [more about the HP Neoview platform](#) and [HP's portfolio of BI solutions](#).

### Crossflo DataExchange health interoperability solution

Information sharing is the critical component of both public and private healthcare. However, finding the right technology, based on the right standards and at the right price, has been a barrier. Now, HP has developed a healthcare interoperability solution that breaks through the technology and cost barriers to enable you to quickly, inexpensively, and reliably exchange and store data. With the combination of low-cost, high-availability Integrity NonStop 1000 servers and the [Crossflo DataExchange \(CDX3\)](#) solution, you can make connections that aid in the fight against bioterrorism, support disease trend analysis, provide feedback to Health and Human Services agencies, and help measure and improve healthcare quality initiatives at local, state, and federal levels. CDX3 utilizes a standards-based approach and a service-oriented architecture (SOA) to provide a robust, system-agnostic solution that is extensible and scalable. The solution supports leading and emerging national data-sharing standards, including the National

“The NonStop system fundamentals—in particular, the continuous availability of the platform—are of critical importance to the continuing success of Bank-Verlag.”

—Wolfgang Breidbach, manager of system services, Bank-Verlag

For Bank-Verlag, Integrity NonStop systems:

- Deliver three to four times the performance of the systems they replaced—with excellent TCO
- Provide true fault tolerance and continuous availability
- Make it possible to deploy new services much more quickly and cost-effectively
- Enable its authorization system to process more than 2 million transactions per day at peak load

>> [Go to 24x7 online](#) for this and other customer stories.

## General News

### Knightsbridge Solutions acquisition expands Business Intelligence services

HP has signed a definitive agreement to acquire Knightsbridge Solutions Holdings Corp., a services company specializing in the information management areas of business intelligence, data warehousing, data integration, and information quality. Headquartered in Chicago, Knightsbridge has 700 employees, with offices across the United States and in London.

Information Exchange Model (NIEM), Health Level 7 (HL7), the Emergency Data Exchange Language (EDXL) & Common Alerting Protocol (CAP), and the Global Justice XML Data Model (GJXDM).

>> [Read more.](#)

### A factor of 7: Java technology performance boost

If you've found running Java™ technology-based applications in the NonStop server environment to be less than optimal in the past, you will be very pleasantly surprised with the performance of these applications when run on the Intel® Itanium® 2 processor-based Integrity NonStop server. In a recent interview with *ITUG The Connection* [Vol. 27, No. 5], HP Technical Consultant Frans Jongma explains why. “With the introduction of the [Itanium 2] processor-based NS-series systems, Integrity NonStop servers have stepped onto the performance path of today's servers. The new machines operate at clock speeds two to three times higher than the NonStop S-series machines,” says Jongma. “But clock speed is not the only factor that determines Java performance. We have done some performance tests based on the SciMark 2.0 benchmark and found significant performance improvements—up to a factor of 7—between the new Itanium processor-based systems and previous high-end NonStop S-series machines.” HP has performed the same performance tests on other Itanium processor-based servers, including the HP-UX operating system and Windows® Server 2003. “The results show that the performance of the JVM on Integrity NonStop servers is on par [with the other systems],” reports Jongma. In a nutshell, you get roughly the same Java application performance—but better service levels in terms of reliability, availability, and security—with Java technology on Integrity NonStop servers...and you get better total cost of ownership.

>> [See the interview.](#)

### Versatile I/O for Integrity NonStop NS1000 and NS14000 servers

Versatile I/O (VIO), the new I/O infrastructure for Integrity NonStop NS1000 and NS14000 servers, replaces the IOAME-based I/O Core on the Integrity NonStop NS1000 and NS14000 servers. Available now, VIO provides eight Fibre Channel and eight Ethernet ports per system by default. It can be expanded for either an additional eight Fibre Channel ports or an additional eight Ethernet ports.

>> [Get the details.](#)

### HP Virtual TapeServer: Reduce system restore times by 50 percent or more

HP Virtual TapeServer (VTS), a comprehensive virtual tape technology for NonStop systems, uses industry-standard fault-resilient HP ProLiant servers, HP RAID storage hardware, and state-of-the-art software products. Former ITUG Chairman and high-availability expert Dr. Bill Highleyman reviews HP VTS in a recent article published by the independent [Availability Digest](#). According to Highleyman, HP VTS

>> [Read the press release.](#)

### **SOA in plain language**

For the last few years, service-oriented architecture (SOA) has been hyped as the next big thing in IT. Unfortunately, all the buzz and jargon have left some of us scratching our heads or even dismissing SOA as too good to be true. In fact, many companies are still mystified by it and, as a result, have not begun the journey to create a faster, more flexible enterprise architecture that better aligns business with IT. Don't let the jargon and hype lead you to miss a key opportunity. Building an SOA is a journey, and enterprises that get started today will have an edge on those that hesitate.

>> [HP explains the basics of service-oriented architecture in plain language.](#)

### **Change Artists: Johnson & Johnson, January 18, 2007**

HP presents its newest episode of the popular *Change Artists* series on January 18 with Johnson & Johnson CEO Bill Weldon and CIO LaVerne Council discussing how change and technology meet to improve services in the healthcare industry. All *Change Artists* episodes are live, 30-minute webcasts featuring CEOs and CIOs from leading companies discussing how they embrace change to gain competitive advantage. The webcast is offered without fee but [registration is required](#).

“can reduce system restore times by 50 percent or more. File restores begin virtually instantaneously since only disk positioning is required rather than lengthy tape positioning. And all of this is achieved with a total cost of ownership that is less than a magnetic tape subsystem.” Highleyman goes on to consider the value of a virtual tape solution over a magnetic tape subsystem and illustrates his points by citing specific customer experiences.

>> [Read the review.](#)

### **Clinical intelligence for the healthcare enterprise**

Today's healthcare industry is highly complex and multidimensional. With rising costs, constant regulatory changes, and ever-increasing competition, perhaps the most valuable asset at the disposal of providers—and one that is largely untapped—is the enormous volume of data that typically resides in siloed legacy systems. To integrate all of this data for analysis and actionable knowledge is to define the emerging technical arena of clinical intelligence. A new HP white paper details industry concerns and drivers and explains how you can implement a clinical intelligence solution that marries legacy data sources into a single enterprise view—to enable real-time analytics without affecting operational system performance.

>> [Download the white paper.](#)

## **Partner News**

### **comForte's MR-Win6530 Version 9.0 delivers SSH support**

comForte's MR-Win6530 provides Microsoft® Windows users with a powerful yet easy-to-use emulation package for NonStop, IBM, or UNIX® system access. Version 9.0 of the software enables full 6530 connectivity and secure file transfers over the Secure Shell (SSH) protocol with comForte's SSH solutions for NonStop servers. A new “session monitor bar” provides easier session switching and monitoring, thereby enhancing productivity when working with multiple session workspaces. For more information about MR-Win6530, visit [http://www.comforte.com/ecomaXL/index.php?site=COMFORTE\\_Product\\_MR-Win6530](http://www.comforte.com/ecomaXL/index.php?site=COMFORTE_Product_MR-Win6530).

### **Enhanced Protect XP product suite released**

CSP's Protect XP product suite has been enhanced to provide improved protection for NonStop servers. Version 2.61 provides orphan file protection, encrypted client/server communications, enhanced broadcast mode, user/alias/password wizards, full support of HP Safeguard software's “big 6” enhancements, and more. Contact CSP at [sales@CSPsecurity.com](mailto:sales@CSPsecurity.com) or visit [www.CSPsecurity.com](http://www.CSPsecurity.com).

### **NonStop file issues: Find and fix with FAST**

File Analysis & Statistics (FAST), a new product from Unlimited Software Associates, rapidly keeps NonStop system structured files organized, cuts down on unnecessary IOs, and determines the amount

## Education News

### February Customer Conference Call: NonStop ASAP Technical Update

During the Customer Conference Call on February 1, Joe Davis will discuss HP NonStop Availability Statistics and Performance (ASAP). 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.](#)

of chaos in your files. The benefits of file reorganization include optimal use of cache, slack percentages, and data-chaining for high-speed scan performance. [More information is available](#) online.

### Availability Digest promotes 100 percent uptime

The December 2006 issue of the [Availability Digest](#) highlights Bank-Verlag's use of circa 1980s NonStop technology to create one of the first active-active systems. Another article describes how a single operator error caused a two-node active/active system to crash. The monthly newsletter, produced by Sombers Associates, Inc., spotlights continuous processing architectures, and pays particular attention to active/active technology.

### Guide to NonStop Kernel operating system

This from a press release from *PRWeb*: a new book entitled *NonStop Kernel System Administration* is now available. The book is said to provide a comprehensive guide to the NonStop Kernel operating system, suitable for the beginner as well as the experienced system administrator, operator, or programmer. The author, Inamullah Abdulmatin, is a certified NonStop Accredited Systems Engineer (ASE), a Certified Systems Engineer (CSE), and has been working with NonStop systems for more than 14 years. See the [press release](#).

## Service and Support News

### Support Notes, December 2006

>>[View NonStop technology Support Notes released during December 2006.](#)

## User Group News

### Save the date: Upcoming ITUG premier events in 2007

Mark your calendars for these ITUG premier events coming in 2007.

- ITUG Summit 2007, Las Vegas, Nevada, June 18–21
- ITUG Europe 2007, Brighton, England, October 8–10

Beginning in 2007, ITUG Summit will be co-located with the HP Technology Forum to increase the exposure of both ITUG and NonStop technology to the larger HP community. Co-location provides the additional advantage of leveraging the benefits of a larger event to strengthen the position of ITUG Summit as the premier event for NonStop user training and technical information.

>> [Read more, including a letter from Martin Fink, senior vice-president and general manager, HP Business Critical Systems.](#)

## Regional User Group updates

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

- » SATUG: The 2007 South African NonStop Summit will be held on February 20–22 in Gauteng, South Africa.

>> [See the complete 2007 ITUG calendar for RUGs and SIGs.](#)

## Spotlight HP

### Technology grant opportunity for K–12 schools

HP has launched an initiative that will award grants totaling US\$3.9 million in cash and HP equipment to kindergarten–12th grade public schools in the United States and Puerto Rico. The initiative supports efforts to improve student achievement through the innovative uses of technology in the classroom. Proposals will be accepted for all subject areas, but preference will be given to projects with a focus on math or science. Schools interested in applying for this grant can find additional information, requests for proposal forms, and application submission deadlines at [www.hp.com/go/hpteach](http://www.hp.com/go/hpteach).

## 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.

### » [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.

### » [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 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.

» [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.

» [NonStop Services & support](#)

» [Network & service providers](#)

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