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## NonStop Computing Update

November/December 2007



Welcome to the November/December 2007 edition of the *NonStop Computing Update*, a newsletter providing the latest information about HP Integrity NonStop and HP NonStop servers.

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### Swedbank moves to Integrity NonStop for critical POS processing

Stockholm-based Swedbank is a leading Nordic-Baltic banking group with 8.8 million retail customers and 441,000 corporate customers in Sweden, Estonia, Lithuania, and Latvia. The financial institution has relied on NonStop technology since the 1980s, primarily for processing critical point-of-sale (POS) transactions. These days, the bank needs more capacity to handle its growing POS transaction volume and to lower planned downtime. To meet these requirements, Swedbank now authorizes and authenticates large volumes of banking transactions using ACI's BASE24 application, which runs on two Integrity NonStop NS16008 servers. By using the GoldenGate Active/Active solution, both Integrity NonStop systems are leveraged and thereby facilitate continuous operations while at the same time lowering planned downtime. The bank also employs an Integrity NonStop NS14002 server for test and development as well as HP ServerNet Cluster equipment and three HP Atalla A10150V network security processors. The solution enables 24x7 continuous availability of Swedbank's mission-critical payment processing system, which supports more than one billion transactions per year, and allows the bank to maximize its IT investment.

>> [Read more.](#)

### New Integrity NonStop servers with up to 20 percent performance boost

In November, HP announced its continued commitment to the Intel roadmap with Intel® Itanium® 9100 series processor support for Integrity NonStop servers as well as the rest of the HP Integrity server family. HP also unveiled three new Integrity NonStop servers that provide up to 20 percent better price/performance than previous generations, due to support for the new Itanium 9100 series processor and a refresh of the NonStop Operating System, Mission Critical Edition.

In addition, the Integrity NonStop server development environment and the Open Systems Services (OSS) environment have been updated to support streamlined development, increased productivity, and better interoperability. With a service-oriented architecture (SOA) infrastructure that's also been enhanced, these new Integrity NonStop servers can improve business agility and optimize your investment in IT by enabling existing applications to work better together and new business processes to be deployed quickly.

>> [Get more information](#), read the [press release](#), and see "[Upcoming Customer Conference Calls](#)" to register for the January 17 NonStop Processor Update presentation.

### Standish gives high marks to Integrity NonStop for Healthcare and Life Sciences

A new Standish Group report entitled *Trends in IT Health Care and Life Science* examines the top 10 industry trends—the most important among them being collaboration, security, and compliance—and looks at how Integrity NonStop servers address each. Standish gives these servers high marks and states that the Integrity NonStop platform is a leader in its design.

>> [Go to the Standish report.](#)

### Intelligent database record-matching solution for Integrity NonStop servers

Netrics Data Matching for the Real World, an intelligent database record-matching solution now available for the Integrity NonStop platform, helps users find data, even if they don't ask for it exactly as it is recorded. Netrics transforms real-world data—containing inconsistencies, omissions, duplicates, and variants—into usable and useful information that can enhance enterprise operations, business intelligence, reporting, and forecasting. The solution can be applied to solve data problems in a wide range of industries.

>> [Find out more about Netrics.](#)

## **U.S. Bank entrusts global wire transfer to NonStop Payments solution**

U.S. Bank, a major U.S. financial holding company, sends and receives more than US\$1 trillion dollars in wire transfers per month. Reliability is critical, because wire transfer is the largest live-payment system in the bank and requires the most robust platform available. When the bank's IT vendor announced that it planned to end support for the bank's existing MoneyNet wire-transfer system, U.S. Bank began evaluating new systems. U.S. Bank worked with HP and HP software providers to develop new business services for the system, resulting in enhanced international wire capabilities, improved operational efficiency, increased productivity—and the ability to adapt quickly, easily, and economically to changing business needs. HP Services implemented and supports a NonStop Payments solution based on NonStop servers and incorporating payment processing software from Software Integrators and online wire-transfer initiation software from Lighthouse Systems. The new solution allows the bank to handle growth of average daily volume to more than 30,000 high-value payments, with peak volume of more than 75,000 payments in one day.

>> [See the full story.](#)

## **NonStop AutoSYNC Update 9 enhanced manageability**

NonStop AutoSYNC software is a key component of NonStop business continuity solutions. As such, HP is making continuing improvements to the software with a special new release: NonStop AutoSYNC Version 1.0, Update 9. Available for Integrity NonStop and NonStop S-series servers, the new version includes significant manageability enhancements.

>> [See the full list of NonStop AutoSYNC Update 9 enhancements.](#)

## **NonStop System Console terminal emulation**

HP and comForte have jointly published an article in *The Connection*, ITUG's user magazine, that describes comForte MR-Win6530 terminal emulator software, which is now bundled with the NonStop System Console software package. The article explains many of the MR-Win6530 terminal emulator features, including secure access, productivity tools, flexible display options, and context-sensitive functions and help. Additional details about the NonStop System Console are [available online](#).

>> [Download the article.](#)

## **NonStop Technical Library has moved**

NonStop product documentation can now be found on the [HP Technical Documentation web page](#), along with other HP product documentation. For help finding NonStop publications in the new location, including how to limit searches to just NonStop information, download [Tips for Locating NonStop Documents](#). Note that some NonStop documentation, including [Support and Service, Software Product Release \(SPR\) reference information, and the Softdoc Archive libraries](#), has not yet been migrated but will be soon.

## **NonStop S-series 36-GB SCSI disk in Limited Availability**

The NonStop S-series 36-GB SCSI disk is currently in Limited Availability (LA). The last planned shipment date for these disks was previously posted as January 31, 2007. However, a limited number of units are still available (approximately one-quarter's worth of stock, or 500 units). HP encourages interested customers to purchase the disks before the remaining product inventory is exhausted.

## **NonStop Hardware Product Maintenance List update**

An update to the NonStop Hardware Product Maintenance List (HPML), which addresses the maintenance support status for NonStop hardware, is now available. For your convenience, blue highlighting is used to indicate changes made since the last version of the HPML.

>> [Go to the NonStop HPML.](#)

## General News

### **Bolster privacy, compliance with HP encryption and key management**

HP has introduced a centralized, hardened security appliance to help data center managers improve privacy compliance and reduce the risk of costly data-loss due to theft. The HP StorageWorks Secure Key Manager consolidates key management for encryption devices deployed in enterprise and midsized businesses. Security is improved by providing a single control point across the data center. Secure Key Manager offers identity-based access, administration, and logging, which provides strong auditable security measures for customers under government compliance mandates in financial, healthcare, and retail industries.

>> [Get more information.](#)

### **HP sets new milestones in data center energy efficiency**

HP has announced the largest deployment to date of its Dynamic Smart Cooling technology in a next-generation research data center located in Bangalore, India. HP Labs, the company's central research organization, wanted to demonstrate the scaling of its cooling technology in a real-world, heterogeneous data center environment. The result is one of the most sensor-rich data centers in the world, yielding a 20 percent reduction in cooling power consumption upon startup. Once fully optimized, the [Dynamic Smart Cooling](#)-based data center is expected to save

## Partner News

### **Availability Digest reviews single points of failure**

November's *Availability Digest* examines how a single point of failure brought down a triply redundant system on the International Space Station. Also discussed is one Chilean bank's use of asymmetric active-active systems to achieve extreme availability without data collisions. Products for the time synchronization of NonStop nodes are reviewed as well. [www.availabilitydigest.com](http://www.availabilitydigest.com)

### **SafePoint 2007: New feature plus enhanced OSS**

The new SafePoint Security Event Console displays audit messages, as reported by HP Safeguard software, OSS, and BOSS, in a real-time window on a PC. Improvements include enhanced OSS support in SafePoint Admin, SafePoint Reports, and Virus Check Facility for NonStop systems. SafePoint Reports is available in PC and SQL formats, and downloading to Excel enables non-technical administration. [Read more.](#)

### **XYGATE/MA now audits BASE24 OMF**

XYGATE Merged Audit (XMA) merges audit trails for all XYGATE modules as well as HP Safeguard, Event Management Service (EMS), and Measure software into a centrally located database. The result is a single point of reference for investigating all actions performed by your user community, defining precisely who performed each action, from where and when. The new XMA release (1.60) allows you to integrate BASE24 audit logs with Safeguard, EMS, and XYGATE security logs. [See more.](#)

## User Group News

### **ITUG Europe 2007 makes history**

With more than 350 attendees in total, 27 exhibitors, and numerous networking receptions, ITUG Europe 2007 made history with a record of 52 user companies attending this year's event. ITUG provided an exciting technical program line-up with nearly 100 technical sessions. Attendees had the opportunity to gain insight from HP developers, managers, product engineers, and third-party vendors. In addition, two NonStop customers presented at the conference: Michael Evans, Retail CHAPS project manager at Abbey and Steve Whitby, director, at EADS Defence & Security Systems Limited.

>> [See photos and ITUG Europe 2007 proceedings.](#)

7,500 megawatt-hours (MWh) annually—equal to the power consumption of more than 750 U.S. homes—and reduce carbon dioxide emissions by approximately 7,500 tons annually. The data center is composed of a mix of older legacy equipment and newer server racks and blades, which is common for IT environments deployed in production today.

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

### Regional User Group updates

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

- DUST: The Desert Users of Tandem (DUST) will hold a meeting on December 5 in Scottsdale, Arizona.
- RMTUG: The Rocky Mountain Tandem Users Group (RMTUG) will hold an Education Day on December 6.

>> [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.

- December 6  
Topic: NonStop Security Update  
Presenter: Karen Copeland
- January 17  
Topic: NonStop Processor Update  
Presenter: Mark Pollans

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

## Spotlight HP

### Pioneering work in nanotechnology

HP Senior Fellow R. Stanley Williams, who initiated and currently leads HP Labs' research in nanotechnology, has received the prestigious Glenn T. Seaborg Medal awarded by the UCLA Department of Chemistry and Biochemistry. The award honors individuals for exceptional scientific contributions to chemistry and biochemistry. Previous winners include five Nobel Prize winners, a former editor of the journal *Science*, and two winners of the U.S. National Medal of Science. Williams is the founding director of the HP Quantum Science Research group, a team of more than 50 scientists and engineers working in areas of fundamental physical sciences. For the past 30 years, Williams' primary scientific research has been in the areas of solid-state chemistry and physics, and their applications to technology. This has evolved into the areas of nanostructures and chemically assembled materials, with an emphasis on the thermodynamics of size and shape. Most recently, he has examined the fundamental limits of information and computing, which has led to his current research in nanoelectronics and nanophotonics.

>> [Read more.](#)

## Service and Support News

### Support Notes, October 2007

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

## 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.

### » [Service-oriented architecture \(SOA\) on NonStop servers](#)

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

### » [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](#)

Technology for better business outcomes

For more information, go to [www.hp.com/go/nonstop](http://www.hp.com/go/nonstop).

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