



## NonStop Computing Update

February 2008



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

### In this issue:

#### NonStop Computing News

- » [World's most popular Java Enterprise application server](#)
- » [Bringing Pathway development to the 21st century](#)
- » [NonStop Cluster Essentials: Integrated management for heterogeneous clusters](#)
- » [NonStop Cluster Performance Essentials coming soon](#)
- » [New NonStop SQL/MP DDL replication on its way](#)
- » [Update to NonStop SPML \(December 2007\)](#)

#### Success Stories

- » [NonStop servers and Bankart keep the money flowing in Slovenia](#)

#### General News

- » [New governance services and software drive SOA adoption](#)
- » [HP initiative promotes open source software governance](#)

#### Partner News

- » [Availability Digest reviews reliable multicasting](#)
- » [Bowden Systems product update](#)
- » [CAIL SOA update for NonStop servers](#)
- » [comForte JFT with SFTP support](#)
- » [XYPRO's Auditor's Checklist for NonStop servers](#)

#### User Group News

- » [ITUG, Encompass, and HP Interex EMEA plan to form new user community](#)
- » [Regional User Group updates](#)

#### Education News

- » [New NonStop systems master credentials](#)
- » [Upcoming Customer Conference Calls](#)

#### Service and Support News

- » [Support Notes, January 2008](#)

#### Spotlight HP

- » [BusinessWeek names Hurd Businessperson of the Year](#)

#### Important Phone Numbers and Links

## NonStop servers and Bankart keep the money flowing in Slovenia

Business continuity and high availability are particularly crucial to Bankart because it is in the business of running card authorization for every automated teller machine (ATM) in Slovenia and for half of the country's point of sale (POS) systems. Bankart's 1,700 ATMs process almost eight million transactions in an average month, rising to 8.5 million in peak months. Bankart also runs a collection center that monitors and processes direct credits, debits, and standing orders for all the country's major banks and companies. "Our service is a public infrastructure and if our systems go down, thousands of people will suffer," says Gregor Pirc, IT manager for Bankart. "We cannot afford to be down for even a few hours, so we turned to HP for the solution."

First, HP conducted a business continuity assessment and a series of backup strategy workshops, then came up with recommendations to enable Bankart to meet its service-level agreements by ensuring business continuity and high availability. At the core was the establishment of a secure disaster recovery site with constant data replication between NonStop servers and storage area networks (SANs). Bankart's authorization system runs on two NonStop servers located at the main production site in Ljubljana, and the disaster recovery site 10 kilometers away. Data is constantly

## World's most popular Java Enterprise application server

HP and BEA are working together to ensure that BEA WebLogic Server 9.2 can transparently take advantage of the massive parallelism and fault tolerance that are the hallmarks of NonStop servers. WebLogic Server 9.2 on Integrity NonStop servers—together with the NonStop operating system, NonStop SQL database, and NonStop Transaction Management Facility (NonStop TMF) software—enables massive scalability of WebLogic Server applications and provides extremely high availability through application persistence and data integrity during component failures. BEA WebLogic Server 9.2, the world's most popular Java™ Enterprise application server, is available now for Integrity NonStop servers.

>> [Download the software](#). See "WebLogic Server Package Installer" and "WebLogic Server 9.2." Select "HP Integrity NonStop Server (Itanium)" from the pull-down menu.

>> [Go to the installation instructions for Integrity NonStop servers](#).

>> [Find out more about the software](#).

## Bringing Pathway development to the 21st century

Programmers: Check out the new *Bringing Pathway development to the 21st century* white paper. You will find it useful to learn about using open development tools—like POSIX, NonStop Enterprise Plug-ins for Eclipse, and other open source tools—to modernize NonStop application development and make it more versatile. The white paper provides detailed technical information about how HP Open System Services (OSS) can be used to develop HP Guardian applications for Integrity NonStop and NonStop S-series servers. It also describes how teams of programmers can work together to build big applications, using source control tools to synchronize the work of different programmers and create release-dependent versions of source files.

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

## NonStop Cluster Essentials: Integrated management for heterogeneous clusters

When managing a heterogeneous cluster consisting of many hardware platforms and operating systems, system administrators and operators must often contend with a complex array of management tools and interfaces. HP has taken on the challenge of providing a better approach, with a solution that offers a single system image—and a single management interface—for heterogeneous cluster management. Using the NonStop Cluster Essentials solution, IT staff can avoid switching management interfaces on a per-platform basis, thereby lowering overall operations and training costs. The initial product offering supports clusters consisting of Integrity NonStop NS-series servers and, optionally, HP ProLiant DL (rack-mount) and BL (BladeSystem) servers running Red Hat Linux. NonStop Cluster Essentials

replicated online between the two nodes using GoldenGate software that provides real-time continuous feeds of data. The collection center is built on a Microsoft® Windows® platform using HP servers, and HP Services configured three HP StorageWorks Enterprise Virtual Array (EVA) systems into SANs with StorageWorks Continuous Access EVA deploying data replication at disk level.

As a result, vital business continuity is ensured and Bankart can deliver on its service levels to the citizens of Slovenia and its financial community. Maintaining high availability enables Bankart to comply with government and industry regulations concerning financial data. In addition to delivering high availability, the solutions also bring cost savings and simplified management. Last, a basis has been formed for future information lifecycle management (ILM) strategies to ensure document retention, data archiving, and customer privacy.

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

is a plug-in into the HP Systems Insight Manager (SIM) and acts as a central integration point for heterogeneous cluster management. Look out for more product information coming soon.

### **NonStop Cluster Performance Essentials coming soon**

An extension to NonStop Cluster Essentials—called NonStop Cluster Performance Essentials—will be available shortly. This product, a plug-in component to HP Systems Insight Manager (SIM), will support performance monitoring of heterogeneous clusters consisting of a combination of NonStop and Linux servers.

### **New NonStop SQL/MP DDL replication on its way**

Automatic Data Definition Language (DDL) replication for NonStop SQL/MP databases will be available later this year through a new complimentary product—called NonStop SQL DDL Replicator (NonStop SDR)—now under development. NonStop SDR is a new facility for capturing, replicating, and implementing NonStop SQL/MP DDL operations not currently replicated by NonStop Remote Database Facility (NonStop RDF) or other third-party replication software. It works with NonStop RDF to ensure that data and DDL replication is performed in sequence, to guarantee logical consistency. At first release, NonStop SDR will support all Integrity NonStop and NonStop S-series servers using NonStop SQL/MP and is targeted for availability in late summer 2008.

Customers interested in the beta version of NonStop SDR for SQL/MP using NonStop RDF are encouraged to contact their local HP account team.

>> [Get more information.](#)

### **Update to NonStop SPML (December 2007)**

An update to the NonStop Software Product Maintenance List (SPML) is now available on the [Product lifecycle and support web page](#). For your convenience, red highlighting is used to indicate rows with new, updated, or future status dates.

### **New governance services and software drive SOA adoption**

A new and comprehensive set of HP service-oriented architecture (SOA) governance software and services will help companies accelerate SOA adoption and drive increased business value while reducing potential risks, such as service disruption to the business. In addition, HP has expanded its Governance Interoperability Framework (GIF), one of the industry's first and most broadly adopted industry specifications for SOA governance interoperability. The new framework deepens HP's support for heterogeneous customer environments.

>> [Find out more.](#)

### **HP initiative promotes open source software governance**

HP's new software governance initiative helps companies address the legal, financial, and security risks faced when adopting free and open source software (FOSS). To realize the full business benefits of FOSS, HP has introduced FOSSology and FOSSBazaar—the industry's first open source initiatives dedicated to these goals. FOSSology is based on the tools HP uses to effectively manage its own use of free and open source software and is designed to help users address deployment issues such as FOSS acquisition, tracking, and licensing. FOSSBazaar makes HP's expertise freely available to the software community as part of a collaborative effort with industry-leading software

### **Availability Digest reviews reliable multicasting**

The *Availability Digest* reviews reliable multicasting in LAN and WAN applications and the challenges to building reliable multicast networks scalable to large numbers of receivers. Also discussed are Swedbank's NonStop active/active payment processing functions. Surveyed as well are the system failures that caused major outages in the last half of 2007. [www.availabilitydigest.com](http://www.availabilitydigest.com)

### **Bowden Systems product update**

Bowden Systems has updated its NSK-SNTP product to reduce EMS messages and to provide fewer system adjustment messages in the .1 second to 1 second range. NSK-SSH software has also been updated to work with the MR-Win6530 product. For more information, contact [sales@bsi2.com](mailto:sales@bsi2.com) or go to <http://www.bsi2.com/>.

### **CAIL SOA update for NonStop servers**

CAIL Studio has new options to make it easy to support SOA initiatives and integration with NonStop information services, letting you leverage the business logic built into Pathway and Screen COBOL (SCOBOL) systems to address new business needs and system strategies. Use open products and support heterogeneous environments that include Apache, Axis-2, Ajax and Eclipse—so that current applications continue to perform with no changes—or use NonStop iTP WebServer and/or other Open Web Service products to directly access NonStop applications. [Find more information online](#) or [contact CAIL](#) at 1 (800) 668 5769 or +1 (905) 940 9000.

### **.comForte JFT now with SFTP support**

JFT, a full-featured FTP client for any Java-enabled platform, now supports SFTP as part of the SSH protocol. Users can choose between SSL/TLS or SSH/SFTP to secure file transfers with NonStop and other servers. Delivered as a component of comForte's SecurFTP and J6530 solutions, JFT provides both an advanced GUI and a command-line interface. [See more information](#) online.

### **XYPRO's Auditor's Checklist for NonStop servers**

XYPRO's [free Auditor's Checklist](#) presents security requirements for PCI, SOX, and HIPAA in a format that lets you easily find and reference a particular security requirement. The *Auditor's Checklist* also references *HP NonStop Server Security: A Practical Handbook* (ISBN-13: 978-1555583149) and *Securing HP NonStop Servers in an Open Systems World: TCP/IP, OSS and SQL* (ISBN: 978-1555583446).

vendors and the Linux Foundation. Underlying this community-based initiative is a major contribution from HP's research and development efforts to help effectively manage open source as part of an overall enterprise IT plan. This intellectual property contribution is based on seven years of internal development and includes processes, policies, and tools.

>> [Read more.](#)

## Service and Support News

### Support Notes, January 2008

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

## User Group News

### ITUG, Encompass, and HP Interex EMEA plan to form new user community

[ITUG](#), [Encompass](#), and [HP Interex EMEA](#) have announced consolidation plans to form the pre-eminent worldwide community of users of enterprise HP products and services. Together, they will become the leading independent association for peer networking and professional development, as well as for the exchange of information about HP's technologies and related solutions deployed in the enterprise. The groups intend to bring value to the entire HP community by creating expanded user group member benefits and relevant content and to greatly improve member and partner programs, delivering greater value to all constituencies. Scott Healy, chairman of ITUG, said, "The leaders of ITUG, HP Interex EMEA, and Encompass are committed to preserving the culture and community spirit that exists within each of our platform-focused groups around the world today. We see this as a positive impact on our current user group members and partners, and we are confident that they will embrace a new, unified organization because of the tremendous value it will deliver."

>> [Read more.](#)

### Regional User Group updates

There are more than 30 active ITUG Regional User Groups (RUGs) worldwide. See the [complete ITUG calendar for RUGs and SIGs](#).

## Education News

### New NonStop systems master credentials

The HP Certified Professional Program now offers the first-ever Master Accredited Systems Engineer (Master ASE) credentials for technical professionals focused on NonStop systems solutions. The Master ASE title represents technical excellence and is the highest level of certification an IT professional can acquire in the HP Certified Professional Program. Two new NonStop system credentials are available worldwide:

[Master ASE—HP NonStop Systems Solutions Architect](#)  
[Master ASE—HP NonStop Systems Support](#)

>> Go to the [NonStop Master ASE credential web page](#).

## 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.

February 28

Topic: NonStop Processor Update

Presenter: Mark Pollans

March 6

Topic: NonStop SQL/MX Release Update

Presenter: Meng Chow

April 3

Topic: NonStop Virtual Tape Server (VTS) Technical Update

Presenters: Larry Mendoza and Jim Miller

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

### ***BusinessWeek* names Hurd Businessperson of the Year**

*BusinessWeek* editors and readers have named Mark Hurd, HP's chief executive officer, as Businessperson of the Year. According to *BusinessWeek*, "Mark Hurd's single-mindedness is paying off for the tech company in profits that will be hard to beat in 2008.

The article continues, "[Hurd's] laser focus is paying off. For the fiscal year ended October 31, sales rose 13.7 percent to US\$104.3 billion and earnings jumped 17 percent to US\$7.3 billion. Those numbers have translated into sharp gains for investors too...While legitimate arguments can be made for many of the names on our list [including tech neighbor Steve Jobs and media mogul Rupert Murdoch], Hurd stands out for his remarkable skill navigating the intensely competitive and complex computer business. During his three-year tenure, HP has become a rare example of a tech company succeeding in the delicate balancing act of selling to both consumers and corporations."

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

## 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](http://www.hp.com/go/nonstop).

© Copyright 2008 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

Linux is a U.S. registered trademark of Linus Torvalds. Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation. Java is a U.S. trademark of Sun Microsystems, Inc.