



NonStop Computing Update

April 2008



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

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Pay up: Cass Information Systems helps FORTUNE 500 companies with their bills

Bill-paying is nobody's idea of a good time—unless, of course, you're Cass Information Systems, in which case it's what you like (and do) best. Cass is a leading provider of payment and information solutions to FORTUNE 500 companies, especially in the areas of freight, utilities, and telecommunications. Wanting to leverage the latest Integrity NonStop technology to meet changing business demand for payment and information solutions, the company recently evolved its business technology environment to a six-processor Integrity NonStop NS1000 Server with 28 mirrored drives, plus a second, identical server for disaster recovery. The NonStop Virtual Tape Server is used for backup.

As a result, Cass now has achieved a threefold increase in throughput with continuous availability and has enhanced its ability to provide specialized payables processing and critical management reporting. The low-risk implementation made changes possible without affecting operations and positions the company to handle increasing transaction volume. Because Cass experiences smooth operations with no performance bottlenecks, it is able to focus on its core competency rather than system maintenance

"We have found that NonStop technology gives us the most fault tolerance of any platform. Our system is literally never down, and the uptime translates

NonStop VxSE Gigabit Ethernet Enclosure, Carrier Grade

In today's world, business technology relies on high-speed, highly reliable Ethernet connectivity, especially for mission-critical applications. HP offers a new, versatile multi-port Gigabit Ethernet capability for Integrity NonStop carrier grade (telecommunications-oriented) servers to deliver multiple gigabit per second and multiple 100 megabit per second port options. The NonStop VxSE Gigabit Ethernet Enclosure provides better Ethernet connectivity, delivers higher performance, provides lower cost per port, and is designed for fault tolerance. No changes to applications are required, and it supports HP ServerNet III connections and is supported by improved Open Systems Management (OSM) capabilities. The product comes in two models that provide support for 4 gigabit or 8 gigabit per second Ethernet ports per pair. Ports can be configured as copper or fiber in the field and are sold in pairs for fault tolerance.

>> [Download the data sheet.](#)

HP Atalla Cryptographic Module validated at highest FIPS 140-2 level

How do busy customers gain peace of mind that the cryptographic functions in their mission-critical applications are secure? One way is to ensure that these functions rely on the highest levels of Federal Information Processing Standard (FIPS) security requirements.

The state-of-the-art HP Atalla Cryptographic Subsystem (ACS) has recently received validation at the highest possible FIPS level—FIPS 140-2 Level 4—as evaluated by InfoGard, an accredited third party. ACS products that depend on the ACS for their physical security and key management—like the Atalla Ax150 Network Security Processor (NSP), Secure Print Advantage, and Trusted Compliance Solution for Energy—also accrue the FIPS 140-2 Level 4 validation for use both within the U.S. and Canadian governments and in the wider security product market worldwide.

>> Check out the details about the [Cryptographic Module Validation Program](#) and see more information about [Atalla Security Products](#).

Partner News

Availability Digest reviews fault-tolerant virtualization

The *Availability Digest* introduces the first in a series of articles about fault tolerance in virtual environments. Also discussed are the common principles required to achieve high availabilities in today's demanding IT world. The Geek Corner examines probability relationships between redundant nodes that don't have equal availability.

www.availabilitydigest.com

Version 2 of GoldenGate's Veridata data comparison engine

Version 2 of GoldenGate Software's Veridata data comparison engine—an auditing tool that can compare the contents of two databases,

to revenue,” says Jim Crowley, manager of Internal Programming at Cass Information Systems.

>> [Read more.](#)

General News

New HP offerings speed data center transformation

HP has announced products and services designed to help customers transform their data centers from a standalone collection of physical assets into a virtual and adaptive infrastructure designed to rapidly meet changing business needs. New research conducted on behalf of HP shows that there is a pressing need for CIOs to begin thinking about and planning for data center transformation. To meet this need, HP is providing businesses with the technology tools and strategies needed to address top data center initiatives: energy efficiency, automation, virtualization, consolidation, and business continuity. Coupled with HP’s current systems, storage, software and services, the new products and services make up the HP Data Center Transformation portfolio, which enables enterprises to manage and transform their data centers.

>> [Learn more.](#)

even when they are active—is now easier to use and more secure. A new Web-based interface offers flexibility and user-based customization. A shift to a Web services architecture enables the software to be queried from other applications. The addition of role-based security allows users to have different levels of access based on their assigned role. [Read more in a *TechWorld* article.](#)

User Group News

Instant HP Technology Forum & Expo savings for new ITUG members

Planning on attending the HP Technology Forum & Expo 2008? Renew or sign up for [ITUG membership](#) before registering for ITUG Summit 2008 at HP Technology Forum & Expo and save up to US\$300 with a member discount.

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.](#)

Is your storage secure? Get free assessment

The HP Storage Security self-assessment tool will help you understand how well your business is prepared for managing risk to sensitive data in your storage and backup environment, as well as complying with data privacy regulations. This tool has been developed by HP Consulting & Integration Security and Risk Management Practice based on industry best practices and its experience gained through the design and deployment of hundreds of data protection engagements globally.

>> [Check it out.](#)

Service and Support News

Support Notes, March 2008

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

Regional User Group updates

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

OTUG: The Ohio Tandem Users Group (OTUG) will hold a meeting on April 29 in Dublin, Ohio.

>> 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 24
Topic: Multi-core Sales Presentation
Presenters: Wil Marshman, Nestor Fernandez, and Mittal Parekh
- June 5
Topic: HP Compliance Log Warehouse
Presenter: Steve Scott

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

Spotlight HP

New HP Labs approach to accelerate groundbreaking research

HP has redesigned its advanced research group, HP Labs, to address the most complex challenges customers will face in the next decade. The goal: To focus on high-impact research in a collaborative innovation environment that swiftly turns researchers' "what if" questions into commercial applications for customers. HP Labs is one of the few corporate research groups in the industry with a global reach that brings together the world's best minds and brightest ideas to focus on the next wave of IT. What is this next wave? It's called "Everything as a Service." And it's all about transforming the Internet into a web of dynamic, highly personalized and context-aware "cloud" services that anticipate your needs based on a real-time understanding of who you are, where you are, and what your preferences might be.

>> [Check out related podcasts, blogs, videos, and news.](#)

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 product documentation**

Find NonStop product documentation, along with other HP product documentation. Download *Tips for Locating NonStop Documents* for help finding NonStop publications, including how to limit searches to just NonStop 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.

» **Java technology**

Limitless e-business growth and the portability and ease of Java™ technology can go hand in hand.

» **Product information for Integrity NonStop and NonStop servers**

» **Why Migrate to HP?**

» **Interactive Upgrade Guide**

An interactive tool to help plan system release migrations.

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

» **Why Buy NonStop?**

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

» **NonStop Services & support**

» **For network & service providers**

Technology for better business outcomes

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

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