

» View past issues of the *NonStop Computing Update* newsletter



## NonStop Computing Update June 2006



Welcome to the June 2006 edition of the *NonStop Computing Update*, a newsletter with information about HP Integrity NonStop and HP NonStop servers.

### In this issue:

#### NonStop Computing News

- » [Introducing the entry-level Integrity NonStop NS1000 server](#)
- » [RVU H06.06 for Integrity NonStop servers ships](#)
- » [NonStop TMF Version 3.4 available now](#)
- » [NonStop AutoSYNC Update 7](#)
- » [2006 HP Worldwide User Advocacy Survey](#)

#### Success Stories

- » [CME implements Integrity NonStop system and reduces latency by 35 percent](#)
- » [CME trades up: CEO Craig Donohue's IT vision](#)

#### General News

- » [Fast storage: The forgotten ingredient of high-performance computing](#)
- » [IT Shared Service portfolio for efficient, responsive IT](#)
- » [Stopping the sprawl at HP](#)

#### Partner News

- » [Active-active solution white paper from Gravic](#)
- » [Bowden Systems: New offices, new SSH update](#)
- » [CAIL Suite bundling update](#)
- » [comForte partnering with Ingrian for database encryption](#)
- » [CSP Alert-Plus: Intrusion detection and prevention](#)
- » [OPTA-LowPin Optimizer from TANDsoft](#)
- » [SafePoint Version 6.26 new and improved features](#)
- » [TDI Ban Bottlenecks group diagnosis capabilities](#)
- » [TSI introduces VITAL, a virtual tape enterprise solution](#)
- » [XYGATE/SR ready for OSS ACLs](#)

#### User Group News

- » [ITUG Summit 2006: Early registration benefits](#)
- » [Discounted package for 2006 ITUG Summit and HP Technology Forum](#)
- » [Join the 2007 ITUG Board of Directors](#)
- » [ITUG Europe 2006 Conference proceedings](#)
- » [Regional User Group updates](#)

#### Education News

- » [Customer ConCalls coming in July](#)

#### Service and Support News

- » [Support Notes, May 2006](#)

#### Spotlight HP

- » [HP and \*An Inconvenient Truth\*](#)

#### [Important Phone Numbers and links](#)

## Success Stories

### **CME implements Integrity NonStop system and reduces latency by 35 percent**

Chicago Mercantile Exchange (CME), the largest, most diverse financial exchange in the world for trading futures and options, runs its high-performance electronic trading on the NonStop platform to handle peak transaction volumes exceeding 13 million a day, a phenomenal growth in volume (approximately 500 percent in six years).

Until recently, CME used NonStop S86000 and S88000 servers in various production and disaster recovery capacities. Following its active participation in the early adopter program for the Integrity NonStop server, however, the exchange decided to replace the entire production environment with the new platform. The first server came online in December 2005, making CME the first North American customer to move the Integrity NonStop server into production, and the first customer worldwide to deploy the Triple Modular Redundancy (TMR) option for 99.99999 percent application availability.

"Latency has been reduced by approximately 35 percent with the Integrity NonStop server, and I believe we'll see even greater reduction once our system tuning is complete. As far as total throughput is concerned, we've pushed the system as

## NonStop Computing News

### **Introducing the entry-level Integrity NonStop NS1000 server**

HP announces the immediate availability of the Integrity NonStop NS1000 server, the new entry-level member in the Integrity NonStop server family. This server delivers a new, low-price, software fault-tolerant solution for smaller and emerging markets that require real-time access to their most critical business applications. The NS1000 server is based on the new NonStop Value Architecture (NSVA). NSVA incorporates industry-standard hardware components while fully utilizing the NonStop software fundamentals to deliver the highest level of application availability and fault tolerance right out of the box.

The Integrity NonStop NS1000 server is designed for smaller companies in the healthcare, financial services, and telecommunications industries. For example, in the financial services industry, the NS1000 can serve as the backbone of ATM and point-of-sale transactions, providing the entire stack of hardware, operating system, software, and database in a single solution. The NS1000 server also supports the high availability needs of larger companies with distributed installations.

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

>> [See an overview of the new Integrity NonStop NS1000 server.](#)

### **RVU H06.06 for Integrity NonStop servers ships**

H06.06 is a generally available release version update (RVU) of the NonStop Operating System, Mission Critical Edition, supporting Integrity NonStop servers. RVU H06.06, available immediately for shipment, includes many new and enhanced functions, such as enhanced user password security alternatives, a USA66 Daylight Savings Time (DST) option, Open System Services (OSS) support for files larger than the current 2 gigabytes, and much more.

>> [See a complete list of RVU H06.06 new and enhanced features.](#)

### **NonStop TMF Version 3.4 available now**

NonStop Transaction Management Facility (NonStop TMF) 3.4 software offers improved system availability capabilities and is included in the release of RVU H06.06. Now, more than two TMF Management Process (TMP) CPUs can be configured, allowing a backup TMP to be created even if one of the original TMP CPUs fails. To keep pace with the increasing size and speed of disks and CPUs, NonStop TMF 3.4 software also provides enhanced selected limits and default

hard as we can and have yet to find the limit."

—John Hart, director of Technology Engineering, CME

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

### **CME trades up: CEO Craig Donohue's IT vision**

CEO Craig Donohue wants the Chicago Mercantile Exchange (CME) to be the fairest, fastest, most reliable, and most liquid exchange for trading options and futures. Already known in the industry as the "Avis" of financial exchanges—the marketplace that tries harder to develop and deliver innovative and progressive products and services that its customers want—CME, the first North American customer to move the new Integrity NonStop server into production, wants to raise the bar higher. Find out how Donohue achieves his vision in a recently published *CIO* article.

>> [Read the CIO View from the Top article.](#)

parameters. Better user controls, new commands and documentation, and internal improvements to support future releases are also provided.

>> [Read the NonStop TMF 3.4 product announcement.](#)

### **NonStop AutoSYNC Update 7**

Update 7 of NonStop AutoSYNC software has been enhanced to provide support for the adaptive, real-time enterprise with replication of files that are opened for update. Previously, only closed files or files opened in read-only mode were replicated. With OPENUPDATE, opened files can be replicated if they have not been updated within a configurable time interval. Care has been taken to verify that an opened file will not be updated while its synchronization is in progress. The OPENUPDATE feature broadens the class of files that are candidates for automatic replication by including files that are always opened but infrequently updated. Keeping in step with the recent HP release of OSS "Big Files," NonStop AutoSYNC also now supports the replication of OSS files larger than 2 gigabytes. Additionally, the PURGE option and REPORT command now support OSS files and directories.

>> [Read more about NonStop AutoSYNC and HP's other business continuity products.](#)

### **2006 HP Worldwide User Advocacy Survey**

Cosponsored by HP and the HP User Group Community, the 2006 Worldwide User Advocacy Survey is designed to measure customer experiences and perceptions of their business use of HP equipment and services, to seek input on future features, and to provide feedback on programs provided by the participating user groups. The most valuable aspect of this survey is that HP can pinpoint problems, respond, and improve. Responses will be kept strictly confidential and results will be presented to senior HP management.

>> [Participate and let your voice be heard.](#)

## **General News**

### **Fast storage: The forgotten ingredient of high-performance computing**

Improvements in computer processing have resulted in the need to boost storage performance and capacity. The traditional barriers relating to processing speed have been replaced by barriers in storage

## **Partner News**

### **Active-active solution white paper from Gravic**

An active-active system is a network of independent processing nodes, each having access to a common replicated database, such that all nodes can participate in a common application. [Achieving Century Uptimes with Shadowbase Active/Active Technology](#), a new white paper from Gravic, explains how to implement an active-active solution with NonStop systems and includes finance, telecommunications, and travel industry case studies.

speed. “Organizations often forget about the need for fast storage, but immense calculations per second don't mean a thing if storage and input/output (I/O) can't keep up,” says Kent Koeninger, product and technology marketing manager for HP's High-Performance Computing Division. “This has resulted in some very real problems for those seeking efficient, scalable, and cost-effective high-performance computing.”

>> [Read more about fast storage: the problems and the solutions.](#)

### **IT Shared Service portfolio for efficient, responsive IT**

HP introduces an IT shared service portfolio that is designed to help enterprise customers improve IT cost efficiencies, quality of service, and responsiveness across all lines of business. IT shared services consolidate common IT functions that are otherwise spread across an enterprise. In effect, IT acts as an internal service provider. With the HP IT Shared Service (ITSS) portfolio, customers can accelerate business and IT alignment—including staffing, structure, and governance—and optimize and rationalize enterprisewide IT resources. Combined with the HP Service Oriented Architecture framework, the new portfolio is a key element of the HP Adaptive Infrastructure offering, which enables customers to move toward a “lights-out” computing environment that is remotely managed 24 hours a day.

>> [Read more.](#)

### **Bowden Systems: New offices, new SSH update**

Fueled by business growth and the potential to offer new services, Bowden Systems has moved to new offices located at 3500 Parkway Lane, Suite 370, Norcross, GA 30092. The new phone number is +1 (770) 441 9450. A newly released update to Bowden Systems SSH software, for the SFTP option for Guardian, increases access speed to the Guardian file system and correctly handles reading and writing of edit files. For more information, visit [www.bsi2.com](http://www.bsi2.com) or contact [sales@bsi2.com](mailto:sales@bsi2.com).

### **CAIL Suite bundling update**

CAIL Suite is an all-inclusive solution that improves user experiences, provides powerful technical tools, and addresses important new system initiatives by bundling extensive capabilities that improve information, increase systems security, and support SOA, Web services, and BPM initiatives. For further information, visit [www.cail.com/adapt](http://www.cail.com/adapt) or contact CAIL at [info@cail.com](mailto:info@cail.com), 1 (800) 668 5769, or +1 (905) 940 9000.

### **comForte partnering with Ingrian for database encryption**

comForte and Ingrian Networks, Inc., the leading provider of data privacy solutions, announce a partnership that will allow applications running on NonStop servers to interact with the Ingrian DataSecure platform. See the [press release](#) for more information.

### **CSP Alert-Plus: Intrusion detection and prevention**

CSP's Alert-Plus protects NonStop systems running HP Safeguard software with real-time intrusion protection that compares events recorded in Safeguard audit trails against custom-defined rules—and then blocks any detected intrusion attempts. For additional information, visit [www.cspsecurity.com/alertplus.html](http://www.cspsecurity.com/alertplus.html) or contact [sales@CSPSecurity.com](mailto:sales@CSPSecurity.com).

### **OPTA-LowPin Optimizer from TANDsoft**

TANDsoft announces the availability of OPTA-LowPin Optimizer. Low Pins (process identification numbers) are very limited Nonstop system resources (255 per CPU) that disrupt application environments when inefficiently used. OPTA-LowPin Optimizer significantly reduces Low Pin Process creation failures by automatically selecting a better CPU, one with available Low Pins. No application changes are required. Find out more at <http://www.tandsoft.com/Products.html>.

### **SafePoint Version 6.26 new and improved features**

SafePoint Version 6.26 from Baker Street Software offers new and improved features including enhanced OSS support; a NonStop operating system Virus Facility; Security Event Console intrusion detection alerts based on integrated Safeguard, OSS, and BOSS audit reporting and snapshots; and full reports available in PC and SQL formats. For more information, contact Unlimited Software Associates at [sales@usahero.com](mailto:sales@usahero.com) or call +1 (610) 296 2633.

### **Stopping the sprawl at HP**

Randy Mott has been known as the wizard of Wal-Mart. By the time he took his latest job as CIO of HP, he had become a rock star of sorts among the corporate techie set—an executive who not only understood technology and how it could be used to improve a business but also how to deliver those benefits. Besides his 22-year stint at Wal-Mart, Mott helped Dell hone its already huge IT advantage. Now, Mott is embarking on his boldest and most challenging project yet: a three-year, US\$1 billion-plus makeover of HP's internal tech systems. On May 17, the company announced it will replace 85 loosely connected data centers around the world with six cutting-edge facilities—two each in Austin, Atlanta, and Houston. Mott is pushing sweeping changes in the way HP operates. Find out how in a recent [BusinessWeek](#) article.

### **Number one for four years straight**

For the 16th consecutive quarter, HP has outshipped all other major vendors in the worldwide server market, according to first quarter 2006 figures. HP assumed the number one spot for total server revenue, taking share from IBM and moving into a statistical tie for the leadership position. HP is also number one in worldwide revenue for the Windows®, UNIX®, Linux, x86, x86-64, AMD Opteron™, and Intel® Itanium®-based server markets.

>> [See the details.](#)

### **TDI Ban Bottlenecks group diagnosis capabilities**

Transaction Design, Inc. (TDI) has enhanced the analysis capabilities of its flagship service, Ban Bottlenecks, with powerful group diagnosis in addition to extremely detailed individual system audits. Ban Bottlenecks' new capabilities make it easier for system managers to balance systems and to find, anticipate, and avoid problems. Find out more at <http://www.transactiondesign.com/>.

### **TSI introduces VITAL, a virtual tape enterprise solution**

Tributary Systems Inc. (TSI) announces the June availability of VITAL, a virtual tape solution for Integrity NonStop and NonStop S-series servers. With industry-leading features, VITAL offers a solution to solve the most demanding storage requirements. For additional information, visit [http://www.tributary.com/Software\\_Products/VITAL.htm](http://www.tributary.com/Software_Products/VITAL.htm) or contact Larry Meyers at +1 (817) 354 8009, ext. 32, or TSI at [salesusa@tributary.com](mailto:salesusa@tributary.com).

### **XYGATE/SR ready for OSS ACLs**

RVU G06.29 of the NonStop operating system for NonStop S-series servers is scheduled to include changes to Safeguard globals and the OSS file system to support POSIX access control lists (ACLs) for OSS files. XYPRO's XYGATE/SR (Safeguard Reporting) tool has already been modified to support these changes and can produce reports that include audit information showing which OSS ACLs were added, changed, or deleted using the setacl command or ACL APIs. XYGATE/SR Version 2.18 includes these changes. For more information, visit <https://www.xypro.com>.

## **User Group News**

### **ITUG Summit 2006: Early registration benefits**

ITUG Summit 2006, to be held October 15–18 in San Jose, California, will bring together NonStop technology and business professionals under one roof. Register by July 21 and save US\$300 off the full registration price.

>> [Register today.](#)

### **Discounted package for 2006 ITUG Summit and HP Technology Forum**

To help enable companies to send representatives to both ITUG Summit 2006 and the HP Technology Forum, ITUG has worked with HP to provide a significantly discounted package that offers a savings of nearly US\$700 if purchased by August 1. Registration packages purchased by July 15 will include \$100 in "ebucks," good for any product on [hpshopping.com](http://hpshopping.com). Use PROMOTION CODE "ebucks" when registering.

>> [See the details.](#)

### Customer ConCalls coming in July

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.

- July 6  
Topic: Web ViewPoint Technical Update  
Presenter: Khody Khodayari
- July 13  
Topic: New Integrity NonStop Servers: NS1000 and NS14000  
Presenters: Mary Ahrens and Nomi Trapnell

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

### Join the 2007 ITUG Board of Directors

ITUG is now accepting applications for its 2007 board of directors. If you are interested in sharing your NonStop technology experience and vision in ways that can benefit the worldwide NonStop user community, explore this opportunity to get directly involved. ITUG directors donate a few hours of time per week to plan and support ITUG events and programs, and the ITUG Summit conferences involve a commitment of approximately three weeks per year.

>> [Online application form](#)

### ITUG Europe 2006 Conference proceedings

The ITUG Europe 2006 Conference was the largest held in the organization's history. More than 525 members of the NonStop community from approximately 30 countries gathered in Berlin's Estrel Hotel and Convention Center to hear about new products and to see new solutions from 38 NonStop vendor partners. ITUG members can now download conference proceedings using their ITUG membership login and password.

>> [Download conference proceedings.](#)

### Regional User Group updates

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

- » [GTUG](#): The German Tandem Users Group will hold its spring conference on June 19–20 in Keil, Germany.
- » [BITUG](#): The British Isles NonStop Users Group will hold a Solutions/Middleware SIG on July 12 in London. In addition, presentations from the BITUG Roadshow 2006 are now available for download. For SIG sign-up information or to download presentations, visit the BITUG website.
- » [HUG](#): The Houston/Austin User Group will hold a meeting on June 29 at the HP office in Austin, Texas.
- » [OZTUG](#): The Australian NonStop User Group will hold its 2006 ITUG Australasia and OZTUG Conference on July 24–25 in Sydney.
- » [VNUG](#): The Viking NonStop Users Group will hold a VNUG Conference on September 6–7.

>> [See the complete 2006 ITUG calendar for RUGs and SIGs.](#)

## Service and Support News

### Support Notes, May 2006

>> [View the NonStop technology Support Notes released during May.](#)

## Spotlight HP

**HP and *An Inconvenient Truth*** HP was the presenting sponsor of the premiere *An Inconvenient Truth*, a feature film documentary on the Earth's climate crisis, held on May 16 at the Director's Guild of America Theater in Los Angeles. Directed by Davis Guggenheim and featuring former Vice President Al Gore, the film makes a compelling case about the dangers of global warming and offers concrete ways for viewers to get involved. HP provided PCs set up so that premiere guests could calculate their carbon "footprint" to determine approximately how many pounds of CO2 they release into the atmosphere each year.

>> [Calculate your own carbon footprint.](#)

>> [Read more about HP's commitment to environmental sustainability.](#)

## Important Phone Numbers and Links

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

» [NonStop news](#)

The very latest NonStop product news.

» [Global Customer Support 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.

» [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](#)

» [HP alternatives for legacy mainframes/Mainframe Transition Tool Matrix](#)

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

» [NonStop Services & support](#)

» [Network & service providers](#)

© Copyright 2006 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.

AMD and Opteron are trademarks of Advanced Micro Devices, Inc. Intel and Itanium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries. Linux is a U.S. registered trademark of Linus Torvalds. Windows is a U.S. registered trademark of Microsoft Corporation. UNIX is a registered trademark of The Open Group.