

# BITUG

## Autumn 2012 Newsletter

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### Chairman's Chat

#### It's (was) the Olympics

I hope you all enjoyed the 2012 Olympic games as much as I did. I for one thought our athletes, the Olympic committee, the City of London, the Armed Forces and the BBC did a fantastic job and made all of Great Britain proud with the way the athletes performed and the games organised. I thoroughly enjoyed the events from opening to closing ceremony.

#### Connect NonStop Availability Award

I am very pleased to say that Vocalink (the company that pays my wages) managed to win this year's award for the UK Faster Payments Service, which achieved 100% service uptime during the measurement period. This is a great victory for Vocalink and comes after winning the Meritorious Achievement award in the same competition for the last 2 years. On those occasions we lost out on the big prize to Bank Verlag and MasterCard. This year our good friends and competitors at MasterCard came in with the Meritorious Achievement Award. But I know being 5 time past winners of the award they will come back stronger next year. Either of these awards is a fantastic achievement for any organisation and 2012 marks only the second occasion that a UK organisation has taken the top prize. Barclaycard won the award in 2002 so that marks 10 years between winners. Let's hope the next one is not so long coming.

This leads me to a question - Does anyone consistently achieve this level of service availability on a platform other than HP NonStop? Perhaps there should be a cross platform version of the competition so we can see real world availability comparisons side by side. I am sure other platforms can deliver high availability but don't forget the low NonStop total cost of ownership. For us the HP NonStop platform is becoming increasingly price competitive and even with a small price premium over competing platforms why wouldn't you deploy on NonStop today? The NonStop brings improved availability, scalability, manageability and operability over competing platforms. Maybe we just need to get that message out there more?

I also wonder if some of the world wide stock markets regret their decision to leave the NonStop platform? Is there an opportunity here? Given the turbulent past with Tandem, Compaq, Alpha and HP those decisions probably made sense at the time. However given developments in recent years and increasingly aggressive pricing I feel the movement back in the favour of the HP NonStop platform and this can only be a good thing for our community.

Damian Ward, BITUG Chairman

### 'BIG SIG' 2012

BIG SIG is back with a bang!

Come and join your peers at  
BITUG's 2012 BIG SIG at Trinity  
House, Tower Hill, London

#### HP NonStop Education Day (Wednesday 5th December)

XYPRO Merged Audit

#### NonStop Social Evening (Wednesday 5th December)

Liberty Bounds, Tower Hill,  
London

#### BITUG BIG SIG (Thursday 6th December)

3 Presentation tracks:

HP  
Retail Payments  
Compliance

### BITUG Needs You!

If you're passionate about  
NonStop and can spare some  
time to assist the NonStop  
community, please contact any  
of the committee members for  
further details

## Join us at Trinity House on Thursday 6th December for the ever popular BITUG BIG SIG

BIG SIG 2012 from BITUG will take place on Thursday 6th December, once again in Trinity House at Tower Hill, London. Mark the date in your diary for BITUG BIG SIG.

BITUG is delighted to announce that our Keynote speaker at this year's BIG SIG will be Gaye Clemson. Gaye is an original Tandem employee and is author of the book "Tandem Computers Unplugged: A People's History". Gaye will be giving the morning keynote presentation and will be bringing signed copies of her book to be given away at the end of the day.

This year's "**BIG SIG**" consists of three independent events – and BITUG members can attend any or all of them for FREE!

1. **Wednesday Dec 5th** Education Day at Wood Street - XYPRO Merged Audit
2. That evening (Dec 5th) sees a social event to be held, as usual, at Liberty Bounds, Tower Hill, London.
3. **Thursday Dec 6th** The main event - the "**BIG SIG**" itself, run exclusively by BITUG for BITUG members only! See final agenda below - a great line-up of presentations!

Time	HP Track Court room (80)	Retail Payments Track Pepys (45)	Compliance Track Luncheon Room (30)
09:00-09:30	Registration, Welcome and Coffee		
09:30-10:15	Keynote Gaye Clemson - Author of 'Tandem Computers Unplugged: A People's History' Lessons Learned in Managing and Motivating Talent based on Employee Experiences at Tandem Computers		
10:15-10:45	Modernising a HP NonStop application + iPhone demo on the NonStop Hans-Fried Kirschbaum - Commitwork	Making payments safe - mission (im)possible Thomas Leeb - CSP	The best kept secret in NonStop! Dave McLean - TCM Solutions
10:45-11:15	Coffee & Vendor Fair - Library		
11:15-11:45	HP NonStop Hardware Roadmap Mark Pollans - HP	Base24-eps - flexible & proven payments processing for financial institutions Dave Pearson - ACI	Read, Write, Execute; Where's Purge? - A guide to OSS & MQ Security Brian Sealy - Bank of England
11:50-12:20		electraSWITCH™ - A modern solution for acquiring, switching and authorising ATM & POS transactions and CNP transactions Rhod Smith - ORSC	
12:25-12:55		Managing compliance and diversity while delivering innovative issuer and acquirer services across multiple channels Nigel Cox - BPC	Enhanced Audit Reporting XYGATE Merged Audit Common Issues and Q&A Rob Lesan - XYPRO
13:00-13:30	Next Generation - Virtual Tape for NonStops David Ross - ETI-NET	RTLX Reactor: Transaction monitoring, querying, reporting, escalation and archiving Mark Whitfield - Insider Technologies	
13:30-14:15	Lunch & Vendor Fair - Library		
14:15-14:45	HP NonStop Software Roadmap Mark Pollans - HP	"Today's architecture, tomorrow's payments....?" Andy Johnson - LUSIS	PCI, SOX & ISO Compliance Considerations. Supply Chain Security Katherine Kearns - NCC Group
14:50-15:05		Innovation in multi-channel global fraud prevention Kami Boyer - ReD	
15:05-15:20	HP Retail Payments Management Paul Davies - ESQ & Iain Liston-Brown - HP	Same Day Cross Border Payments John Bertrand - FIS	Guardian Security Best Practice Dave Gordon - TCM Solutions
15:25-15:55			
15:55-16:10	Coffee & Vendor Fair - Library		
16:10-16:40	Shadowbase Data Replication and Data integration solutions Bill Holenstein - Gravic	Encrypting PAN data in Base24 environments without any source code changes - a case study Thomas Burg - comForte	Monitoring the application with a user perspective Keith Bell - Integrated Research
16:40-17:10	AGM, Roundup and Prize giving		



### BIG SIG venue

The Corporation of Trinity House is comprised of a fraternity of approximately 300 Brethren drawn from the Royal and Merchant Navies and leading figures in the shipping industry. Its Master since 1969 was the Duke of Edinburgh, the longest serving Master in Trinity House history. He was succeeded in 2011 by HRH The Princess Royal.

#### Seamarks and Ballastage

Trinity House's connection with seamarks dates to the Seamarks Act of 1566 which granted powers to set up "So many beacons, marks and signs for the sea whereby the dangers may be avoided and escaped and ships the better come into their ports without peril.". Unfortunately, Trinity Houses funds were extremely limited until in 1594 the Lord High Admiral of England, surrendered his rights to the sale of dredged ballast to sailing vessels discharging their cargoes in the port of London. The rights to Ballastage passed to Trinity House who took over responsibility for dredging shingle from the bed of the River Thames and selling it to masters requiring ballastage. With the rapid growth of the shipping to the port of London, ballastage was a very profitable business, however business declined and at the end of the nineteenth century, when steel ships capable of holding seawater ballast were introduced.

#### Lighthouses

The first lighthouse built by Trinity House was at Lowestoft in 1609, which was part of a series of lights to help guide vessels through a maze of sandbanks between Happisburgh and Lowestoft. The lighthouses were paid for by a levy charged on vessels leaving the ports of Newcastle, Hull, Boston and King's Lynn, a method of payment which is similar to the current light dues system that remains in use today.

The next two hundred years saw a proliferation of lighthouses, many privately owned, with an annual fee paid either to the Crown or Trinity House. The owners of the private lights were allowed to levy light dues from passing ships when they reached port. The reliability of many of the private lights left much to be desired and so in 1836 legislation was passed for all private lights to be compulsory purchased and placed under the management of Trinity House. The previous owners were compensated on the basis of their receipts from light dues, a payment of nearly half a million in respect of Skerries Lighthouse, off Anglesey.



# BIG SIG 2012 - Content

## Retail Payments Track

BITUG has a long history of providing its members with informative, stimulating and innovative sessions. HP NonStop has been the leader in payment processing infrastructure for 35 years and so, bearing this in mind, running a BIG SIG track exclusively on the subject of retail payment solutions seems highly appropriate.

The landscape for retail payment solutions utilising the benefits of the fault tolerant, highly scalable and mission critical features of the HP NonStop platform has expanded significantly over the past 3 or 4 years. BITUG is pleased to announce a "first" with five of the foremost retail payment solution vendors presenting their solution benefits all at one event – the BIG SIG! We will have ACI, BPC, FIS Global, LUSIS and ORCA Electracard represented.

Business Executives, solutions architects

and developers will have a unique opportunity to listen, question and engage all of these vendors about the functionality, strengths and futures of these payment solutions at Trinity House on 6<sup>th</sup> December.

In addition to payment solutions BITUG will also host a presentation from Retail Decisions on multi-channel, global, on-line, real time fraud prevention which dovetails nicely in to retail payment environments. The Retail Decisions PRISM solution has been deployed as a real time fraud detection solution for the Discover PULSE network with impressive transaction rates supported.

BITUG intend the Retail Payments track to be a template for solutions tracks at future BITUG user group events but please do not miss the 2012 BIG SIG, it looks like being a bit special!

## HP Track

The HP track is always popular with customers who are managing and planning HP NonStop infrastructure and software updates.

This year Mark Pollans, a senior Product Manager, will return to present on both the latest hardware and software environment as well as providing a roadmap. Given there have been a number of product introductions over the last 12 months we have provided Mark with more time to discuss these at this year's BIG SIG. We welcome Mark's return to our BIG SIG.

Mirroring the solution focus in the Retail Payments track HP is also running a session on management tools for an ATM or POS self-service terminal environment. As well as talking about device management, the session will discuss business service metric reporting and management integration and alerting into the HP Operations Bundle and Enterprise Frameworks and problem management.

## Compliance Track

Back by popular demand is the BITUG security and compliance track. The world of regulatory compliance is constantly changing. This track is aiming to keep you up to date.

Firstly we have an end users experience of securing OSS and MQ. The Bank of England has for a long time been at the forefront of HP NonStop security and Brian Sealy has been at the centre of that initiative within the bank. This will undoubtedly be a very informed session.

HP have been bundling the XYGATE Merged Audit product with its operating systems for sometime now. We also have a session aimed to get you started on the road to using this powerful tool, that is now the HP standard for auditing on the NonStop platform.

Our friends from the NCC group are back to update us on all of the current regulations. Katherine has a huge amount of experience in the field of regulatory compliance and her updates are always useful and informative.

Finally we get back to our roots with Dave Gordon looking at Guardian Security best practice and fundamentals. Good security is built on a good foundation and Dave's session should check that we are all on the right track.

## Connect Volunteer of the Year

Each year Connect presents an award to the connect member who has gone above and beyond in sharing their time and talents to advance Connect's mission of delivering education, networking opportunities and advocacy to its global members.

The recipient of this year's award was BITUG's own Neil Barnes.

### Neil Barnes - Volunteer of the Year

*This year's Volunteer of the Year has been a member of ITUG and now Connect for many years. He has served as chapter leader for the active BITUG chapter and continues to serve BITUG in planning their chapter and annual events. He also serves on the Connect chapter committee bringing his great experience and expertise in chapter development to the entire Connect community.*

*While he is very passionate about the NonStop community, he selflessly serves the entire Connect global community in this role. He recently wrote a paper on 'How to run a successful chapter' and rarely misses Connect events. He holds many technology credentials including an HP Master ASE and manages a large data center for Lloyds Banking Group in London. Connect congratulates this year's winner of the Volunteer of the Year Award, Mr. Neil Barnes!*



## Little SIG Review

Following BITUG's move to an annual schedule of 2 major events, we held our first "Little (Lil) SIG" on 24th May at Bank of England's Conference Centre, off Threadneedle Street in London. The focus of this event was to provide a user oriented programme of presentations and discussions with less focus on vendor presentations.

Overall, the day was a great success with excellent feedback from you, our members. The event was well attended with 68 attendees in total (34 end-users, 22 vendors and 12 from HP).

The day consisted of a mix of end-user and HP presentations which are all available on the BITUG website ([www.bitug.com](http://www.bitug.com)) to view and download at your leisure. However, you had to be there to do the Bank of England museum tour - very interesting and highly recommended!

The final presentation of the day was a keynote presentation by Ian Jones from Intel on the future direction of the Itanium chipset and the great work that HP and Intel are doing together to take Itanium and HP NonStop forward.

## NS2100 Server announcement

Powered by the industry-standard Intel® Itanium® Processor 9300 series processors, HP Integrity NonStop servers provide levels of throughput, out-of-the-box availability and manageability, ultimate scalability, and data integrity for the most demanding environments.

The HP Integrity NS2100 servers provides you with all the benefits of the NonStop software suite, including software fault tolerance and fault isolation, dynamic workload balancing, linear scalability, application virtualization and cluster programming

transparency. The servers come in a pre-mount configuration. Multiple servers can be connected together using Expand-over IP. A minimum of the J06.14 RVU for the Mission Critical NonStop OS is required.

The HP Integrity NS2100 server is an AC powered server pre-assembled and integrated into a standard HP intelligent commercial rack. The Integrity NonStop NS2100 Server can be configured with two or four physical processors with either 8GB, 16GB or 32GB DDR3 RAM per processor. Multiple servers can be connected together using Ethernet (LAN) or wide area network (WAN) technologies. The HP Integrity NS2100 comes bundled with one G4SA per ServerNet fabric which can be optionally extended to two per ServerNet fabric. The bundle also includes a pair of SAS Storage CLIMs with six 146GB 15Krpm 6Gb/s SAS disk across a pair of 6Gb/s SAS JBODs. The JBODs can contain a maximum of 25 SAS disks each. An additional pair of Storage CLIMs and up to 6 additional SAS JBODs can be added to the system since each pair of Storage CLIMs will support up to 100 SAS disks. Additional optional IO configurations include up to two IP CLIMs (each with five gigabit Ethernet ports and IPSec) and optional additional dual ported SAS or FC HBAs within each Storage CLIM.

The HP Integrity NS2100 server supports the following features:

- ◆ Standards-based, open computing—HP NonStop infrastructure supports all relevant open standards for ease of application development and portability
- ◆ A flexible platform for heterogeneous environments with a choice of application architectures and management tools
- ◆ Uniquely designed for the absolute highest levels of availability and reliability to enable continuous business
- ◆ Delivers the lowest TCO in its class with a fully-integrated stack of hardware, operating system, database, and software
- ◆ Complete application compatibility with all other NonStop servers



### BITUG Committee

#### Chairman

Damian Ward

#### Vice-

#### Chairman

Rick Stather

#### Outgoing chairman

Neil Barnes

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If you're passionate about NonStop and can spare some time to assist the NonStop user community please contact any of the committee members for further details

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