**This 9-10th May we'll be hosting Europe's largest NonStop event: eBITUG 2017**

# CHAIRMAN'S CHAT
**Welcome** to the Spring 2017 BITUG Newsletter

Spring 2017 is here and this year BITUG is proud to be hosting the European NonStop Summit (eBITUG) in London on 9th and 10th May. The last time BITUG hosted a NonStop event as big as this was 10 years ago in Brighton, this time we are in central London and you are all cordially invited to attend. A lot of planning has taken place and discussions with other user groups and sponsors world-wide over the last couple of years to bring you this major event, the largest in Europe this year.

Jimmy Treybig, the founder of Tandem Computers, will be opening the event with his NonStop Journey Keynote. Don't expect him to spend the whole time reminiscing, though. He will also be looking forward the same way he did

in the 1970s when he started Tandem Computers and saw a gap in the market. We have a packed agenda, so much so, that we have had to assign more tracks than originally anticipated, the response for speaker sessions has been exceptional and there is a real buzz around the up and coming changes in NonStop technology.

We have the whole of the first floor of the DoubleTree Hilton so there will be places where you can sit down and have a quite chat and other areas where you can be in the centre of networking area and vendors, and be the first to see and hear the latest NonStop updates.

We have two evening events: one on Monday the 8th May and one on Tuesday 9th May. Both of these will give

you a great opportunity to network with worldwide representatives from HPE Senior Management, our vendor partners and other NonStop users. Read on for more details on what he have planned for this Summit meeting, this is definitely not one not to miss!

We've got a decent event preview in this newsletter, but for additional information please visit the various eBITUG web pages at www.BITUG.com. I am looking forward to seeing you in early May.

Neil Barnes
*NonStop Management*
*Lloyds Banking Group*
2017 BITUG Chairman

# EVENT PREVIEW: eBITUG 2017

## BITUG HOSTS EUROPE'S LARGEST NONSTOP EVENT

**DATES:** 9-10th May 2017

**VENUE:** DoubleTree by Hilton, Tower of London, 7 Pepys Street, London EC3N 4AF

The last time BITUG held the European NonStop event was in 2007, in Brighton. Fast forward ten years and we're holding the European event once again, this time in London, at the DoubleTree by Hilton, Tower of London. It will be a packed two days of presentations from end-users, vendors, HPE and special guest speaker, Jimmy Treybig, founder of Tandem Computers.

There will be a main presentation track plus three additional break-out streams as well as a vendor fair, where we'll be serving food and drink.

Over the two days we have 36 different sessions covering all elements of the NonStop world, from security, to migrations, modernisation, business continuity, up-coming HPE developments, future technology and much more.

During the breaks you can network with the European NonStop community and chat with any of the 18 partners presenting their goods and services in the Vendor Fair. HPE will also be running live demonstrations of the new Virtualised NonStop platform.

## AGENDA

**Monday 8th May**
**5pm** - Registration/Badge Collection opens (Location: SkyLounge on the top floor of the hotel)
**7pm-9pm** - eBITUG 2017 Welcome Reception. Welcome food & drinks provided by NTI, CSP, OmniPayments, XYPRO, Gravic and comForte.

**Tuesday 9th May**
**9am-5.30pm** - Day One sessions
**6.45pm-11pm** - CSP's Evening at aqua shard

**Wednesday 10th May**
**8.30am-4.45pm** - Day Two sessions
**4.45pm-5pm** - Wrap up and prize giving

## SESSION PREVIEWS

### OPENING KEYNOTE: A NONSTOP JOURNEY BY JIMMY TREYBIG
We'll be going on "Jimmy's NonStop journey"; The early years of his time at HP, the founding of Tandem Computers Inc. including the design and cultural philosophies and his visions for IT at the time; all of which helped create a $2b company and how he can now reflect on the ingredients which are needed to build a successful company. He will also talk about his time of working with Tom Perkins and literally the founding of the VC's, Venture Capitalism. He will talk about his visions for the future and some of the projects he is still actively involved with today and how he believes the original 1970s design philosophies are even more relevant in the 24 hour digital world of today and the future. The session will close with a Q&A.

### WHOLESALE BANKING AT ING, PAST, PRESENT & FUTURE...
Session Overview: ING has been using the Atlas/GBS application since 1988, for International Wholesale branches worldwide. A lot has changed during this time! This presentation by Inez van Holtz, Team Manager, ING Bank, briefly covers the history but also the more recent challenges and developments and tells the story of how a 'contained' application is flourishing more than ever.

### NONSTOP SERVER LIFECYCLE MANAGEMENT AND OPERATIONS FOR A WORLDWIDE PRODUCTION ENVIRONMENT
Daimler has been using NonStop technology for over 30 years. The NonStop platform is fundamental for all mission critical applications in the area of Mercedes-Benz car production. Server infrastructure and internal IT services have to fulfill highest demands in terms of availability, quality and costs. The system lifecycle follows HPE's product roadmap and challenging business requirements. Following the presentation on GTUG 2012 in Dresden the enhancements of the NonStop infrastructure and solutions will be shown. Future development of the NonStop environment is discussed.

Speaker: Dr. Heinz-Michael Nitzschke, Manager IT, Production Control Systems, Daimler AG

### PCI DSS 3.2 AND WHAT IT MEANS FOR THE NONSTOP
With the advent of PCI DSS version 3.2 there are a number of significant changes that affect the HPE NonStop environment. This session by Greg Swedosh will provide details of what organisations need to do to satisfy these new requirements. While being PCI DSS compliance is important, as recent high profile data breaches have shown us, it is not the same thing as being secure. With this in mind, this session will focus not just on being PCI DSS compliant, but also on making sure that your systems are secure.

### S SERIES TO NONSTOP NS3X MIGRATION
This presentation by Lau Meijer is about the hands on experiences of a successful migration from obsolete S86000's with XP10000 to modern x86 based NonStop NS3's with BackBox & StoreOnce and internal SSDs. It covers the reasons for the migration, PCI/DSS requirement and end-of-support of the previous platform and shares a number of real life experiences.

All sessions are available at BITUG.com

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### DAY 1 AGENDA: Tuesday, 9th May 2017
*Hilton Doubletree, Tower of London Hotel*

**Track Session Key:** Technology · Business Continuity · Systems Management · Keynote · Security · Migrations · Applications & Database Technology

| Start | Duration | End | Garden | Gallery 5 | Gallery 4 | Gallery 3 | HPE Room / VNS Demo Area |
|---|---|---|---|---|---|---|---|
| 08:30 | 00:45 | 09:15 | Registration, Welcome and Coffee – Mezzanine | | | | Virtualised NonStop Demo T. Vrouwe, HPE |
| 09:15 | 01:00 | 10:15 | Founder and ex-CEO Tandem Computers Inc Jimmy Treybig | | | | |
| 10:15 | 00:05 | 10:20 | Changeover | | | | |
| 10:20 | 01:00 | 11:20 | HPE NonStop Development Futures and Roadmap Andrew Bergholz, HPE | | | | |
| 11:20 | 00:15 | 11:35 | Coffee & Vendor Fayre – Mezzanine – Sponsored by CSP | | | | Virtualised NonStop Demo T. Vrouwe, HPE |
| 11:35 | 00:45 | 12:20 | XYGATE SECURITYONE – The next generation of security for the HPE NonStop Steve Tcherchian, XYPRO | | | | |
| 12:20 | 01:00 | 13:20 | Lunch & Vendor Fayre - Mezzanine - Sponsored by CSP | | | | |
| 13:20 | 00:25 | 13:45 | Adapt or Die: The NonStop Skills Gap Daniel Craig, TCM | Open up your NonStop using REST services Dave Ross, NuWave | Modern Operation to Cloud Khody Khodayari, Idelji | Streaming Integration and Intelligence for HPE NonStop Cy Erbay, Striim | Virtualised NonStop Demo T. Vrouwe, HPE |
| 13:45 | 00:05 | 13:50 | | | | | NDA or 1:1 bookings (HPE room) |
| 13:50 | 00:45 | 14:35 | Introducing Evolution Jim McFadden, NTI | | | | |
| 14:35 | 00:05 | 14:40 | Transit | | | | |
| 14:40 | 00:25 | 15:05 | Only floss between the teeth you want to keep Dan Lewis, 4Tech | FSS Payments with HPNS Raghavendra Shenoy, FSS | Performance; Your cloud or mine? Khody Khodayari, Idelji | | |
| 15:05 | 00:15 | 15:20 | Coffee & Vendor Fayre – Mezzanine – Sponsored by NTI | | | | Virtualised NonStop Demo T. Vrouwe, HPE |
| 15:20 | 00:35 | 15:55 | Using DevOps for HPE NonStop Servers Cor Geboers, HPE ATC | Wholesale banking at ING Past, Present and Future Inez van Holtz, ING | Bank-Verlag develops a web-based GUI on NonStop Wolfgang Breidbach/Sven Breidback Customer | Herman Cunnufsen, HPE | NDA or 1:1 bookings (HPE room) |
| 15:55 | 00:05 | 16:00 | Transit | | | | |
| 16:00 | 00:45 | 16:45 | Keeping your data 'FOR YO#2 636& ONLY' John Bycroft, comForte | | | | |
| 16:45 | 00:05 | 16:50 | Transit | | | | |
| 16:50 | 00:40 | 17:30 | NonStop Database Services and Futures Roland Lemoine, HPE | | | | |
| 18:45 | | 23:00 | CSP's "Evening at aqua shard" | | | | |

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### DAY 2 AGENDA: Wednesday, 10th May 2017
*Hilton Doubletree, Tower of London Hotel*

**Track Session Key:** Technology · Business Continuity · Systems Management · Keynote · Security · Migrations · Applications & Database Technology · SIG

| Start | Duration | End | Garden Room | Gallery 5 | Gallery 4 | Gallery 3 | HPE Room / VNS Demo Area |
|---|---|---|---|---|---|---|---|
| 08:30 | 00:30 | 09:00 | Registration, Welcome and Coffee – Mezzanine | | | | Virtualised NonStop Demo T. Vrouwe, HPE |
| 09:00 | 00:45 | 09:45 | State of the Nation and Virtualised NonStop David McLeod & Andrew Bergholz HPE NED EMEA | | | | |
| 09:45 | 00:05 | 09:50 | Changeover | | | | |
| 09:50 | 00:45 | 10:35 | Security for The Brave New World Callum Barclay, CSP | | | | |
| 10:35 | 00:15 | 10:50 | Coffee & Vendor Fayre – Mezzanine – Sponsored by NonStop Insider | | | | Virtualised NonStop Demo T. Vrouwe, HPE |
| 10:50 | 00:35 | 11:25 | IBM MQ V8.0 for HPE NonStop – Update Dave Ward, IBM | NonStop SQL/MX 3.5 Database Services Explained Frans Jongma, HPE NED ATC | Migration to NonStop X Holger Villringer (on behalf of Customer) | Past, Present, IOT & Futures Pt. 1 Dr. Nitzschke | NDA or 1:1 bookings (HPE room) |
| 11:25 | 00:05 | 11:30 | Transit | | | | |
| 11:30 | 00:35 | 12:05 | NonStop Database Best Practice Roland Lemoine HPE | PCI DSS 3.2 and the NonStop Greg Swedosh, Knightcraft | S-series Migration to NS3X Lau Meijer, Customer | Past, Present, IOT & Futures Pt. 2 Mr. Fleder | |
| 12:05 | 00:05 | 12:10 | Transit | | | | |
| 12:10 | 00:45 | 12:55 | OmniCloudX on NonStop X: Impressive - and Affordable - Together! Jessica Nieves / Craig Lawrence, OmniPayments | | | | |
| 12:55 | 00:50 | 13:45 | Lunch & Vendor Fayre - Mezzanine - Sponsored by HPE | | | | Virtualised NonStop Demo T. Vrouwe, HPE |
| 13:45 | 00:45 | 14:30 | Future Application Software Technologies and Microservices Franz Koenig, HPE ATC | | | | |
| 14:30 | 00:05 | 14:35 | Changeover | | | | |
| 14:35 | 00:45 | 15:20 | HPE Shadowbase Synchronous Replication Feature Rollout Paul J Holenstein, Gravic | | | | |
| 15:20 | 00:15 | 15:35 | Coffee & Vendor Fayre – Mezzanine – Sponsored by TandemWorld | | | | Virtualised NonStop Demo T. Vrouwe, HPE |
| 15:35 | 00:35 | 16:10 | General Data Protection Rules (GDPR) Pater Haase, PHC | Blockchain Technology Moore Ewing | Migrations using Data Replication Rick Stather, Customer | Under 40s SIG Vanessa Kaupp, HPE | NDA or 1:1 bookings (HPE room) |
| 16:10 | 00:05 | 16:15 | Transit | | | | |
| 16:15 | 00:30 | 16:45 | Virtualised NonStop Open Forum Andrew Bergholz, HPE | | | | |
| 16:45 | 00:25 | 17:10 | Wrap Up and Prizes | | | | |

6.1 m  6.7 m  6.7 m  5.7 m  8.5 m

5.5 m

E-BITUG Admin Gallery 1 | HPE Gallery 2 | Breakout 1 Gallery 3 | Breakout 2 Gallery 4 | Breakout 3 Gallery 5

5.9 m

LIFTS LIFTS
LIFTS LIFTS

Evacuation route - must be kept clear at all times

OmniPayments · NTI · CSP · TCM

OmniMAX · ETINET · comForte

Kitchen

Catering Area

Badge Collection

NuWave · 4tech · Gravic

Plenary Room

Garden 1-3

9.1 m

6.3 m

Ascert · Paymark · FSS

LOBBY BAR AND RECEPTION (GROUND FLOOR)

6.7 m

8.7 m

Silver Vendor Booths

ESQ · 1 · 2 · Striim · 3 · 4 · HPE vNonStop · 5 · 6 · Connect · 7 · Canam

eBITUG LONDON 2017

9-10 May 2017
Hilton Double Tree, Tower Hill, London
First Floor Exhibition Area

# eBITUG 2017 EVENING EVENT PREVIEWS

**DATE:** 8th May 2017
**TIME:** 7pm
**EVENT:** Welcome Reception (Beer Bust, as Tandem would call it!)
**VENUE:** SkyLounge, top floor, DoubleTree Tower of London

Join us at 7pm in the DoubleTree 12th floor SkyLounge for the eBITUG 2017 Welcome Reception. Your first chance to network and socialise with fellow NonStoppers. A couple of beers, wines or soft drinks and some finger food will be provided courtesy of BITUG and our Beer Bust sponsors: **NTI**, **CSP**, **XYPRO**, **OmniPayments**, **comForte** and **Gravic**.

Please note you MUST wear your eBITUG badge to gain access to the eBITUG area and to get any drinks.
    The Beer Bust starts at 7pm, but badges can be collected from outside the SkyLounge from 5pm.



# CSP's eBITUG EVENING AT AQUA SHARD

**DATE:** 9th May 2017
**TIME:** 6.45pm
**EVENT:** CSP Evening at aqua shard
**VENUE:** aqua shard, The Shard, 31 St Thomas St, London SE1 9RY

CSP invites all eBITUG attendees to its Evening at aqua shard. This unforgettable event will be held at the aqua shard restaurant and bar on the evening of May 9th, from 6:45 PM until 11:00 PM and is free for eBITUG attendees.
    At 310m tall, The Shard is the tallest building in Western Europe. Aqua shard offers spectacular panoramic views of London from a 930sqm dining room and triple height atrium bar located on the 31st floor of this world-renowned building.
    CSP has reserved exclusive use of this venue for the enjoyment of eBITUG 2017 attendees. The evening will begin with a Champagne reception followed by wine, beer and cocktails as well as elegant contemporary British canapés and bowl food from the Executive Chef. In addition, a very special guest singer will provide some unique entertainment in the 200-capacity Gin Wing space of aqua shard.

**IMPORTANT NOTES**
You must RSVP separately for this event via the link on the BITUG website. Just registering for the eBITUG event does not automatically get you a ticket for CSP's Evening at aqua shard.
    Once registered for the Evening at aqua shard via the CSP website, your ticket will be issued with your conference badge at the eBITUG registration desk.
    Your eBITUG 2017 badge AND your CSP ticket will be required to gain access to aqua shard. Security staff at The Shard may also request photo ID, so please ensure you bring all three items with you on the night.
    Additional details can be found on the BITUG website: www.BITUG.com



CSP COMPUTER SECURITY PRODUCTS, INC.

aqua shard

## THANKS TO THE FOLLOWING SPONSORS ATTENDING:



CSP COMPUTER SECURITY PRODUCTS, INC. · GRAVIC Shadowbase · comForte better always on · tcm · OmniPayments · (intel) · NuWave TECHNOLOGIES

Hewlett Packard Enterprise · XYPRO · network TECHNOLOGIES INTERNATIONAL · 4tech software · ETINET · Ascert · ir · Paymark · FSS POWERING PAYMENTS

connect · Canam Software · BrightStrand INTERNATIONAL · esq · Striim

eBITUG

## TBC PRESOS

**TECHNICAL BOOT CAMP PRESENTATIONS**

The presentations from November 2016's Technical Boot Bamp in San Jose are now available online. The web address is:

*www.connect-community.org/nonstop-tbc-presentation-downloads/*

## NONSTOP DIARY DATES

**E-BITUG 2017 EUROPEAN NONSTOP SYMPOSIUM**

**9-10 MAY 2017**
Venue: Hilton Double Tree, Tower Hill, London
www.BITUG.com

**NONSTOP TECHNICAL BOOT CAMP**

**13-17 NOVEMBER**
Venue: Hyatt Regency, San Francisco Airport Burlingame, California
www.connect-community.org/

# GRAVIC NEWS

## A LARGE FINANCIAL INSTITUTION MIGRATES DATACENTERS WITH NO DOWNTIME USING HPE SHADOWBASE ZDM

**A** major financial company offers person-to-person money transfers, money orders, and business payments. The company implemented an active/active system with two HPE NonStop systems located 1,500 kilometers apart, and the databases were synchronized with a legacy bi-directional data replication solution.

When the company decided to move its systems to other cities, upgrading them in the process, it could not tolerate an application outage during the move, so it relied on HPE Shadowbase Zero Downtime Migration (ZDM) software to avoid application downtime and provide full business continuity protection while the move took place.

Its customers were able to make money transfers and use all applications while the servers and services were relocated. The company also relied on HPE Shadowbase ZDM to replace its legacy bi-directional data replication software product and position itself for continuous availability into the future.

Read the full article at bit.ly/2lWDYP0

# NUWAVE NEWS

## NUWAVE CUSTOMER CASE STUDY

**T**he Royal Bank of Canada (RBC) is the largest financial institution in Canada, measured by deposits, revenues, and market capitalization. The bank serves more than 17 million clients and has more than 80,000 employees. RBC wanted a web presence for The Royal International Money Management System (RIMMS) and a standard way of interfacing other banking functions, such as trading, to RIMMS. They also wanted to contain RIMMS and create a service oriented architecture to bring agility and flexibility to the treasury business.

In this case study, you will learn how RBC called on NuWave to create its RIMMS SOA environment with the use of SOAPam (formerly SOAP/AM) products and create a web presence with modern GUIs that would make using RIMMS easy and more accurate.

Read the full paper and learn more at http://bit.ly/NuWaveRBC

# ZOISA NEWS

## THE ZERO OUTAGE INDUSTRY STANDARD ASSOCIATION

**T**he Zero Outage Industry Standard Association (https://www.zero-outage.com/) is focused on minimizing the risk of users suffering from IT outages. It creates IT standards that will help users to confidently make use of systems and services that are less likely to be affected by crashes and outages. Launched in November, 2016, the organization is headquartered in London, United Kingdom. HPE is among its founding members.

Zero Outage is currently in the process of defining what is required to achieve a zero-outage IT environment. Its goal is to develop a common standard for IT processes, platforms, people, and security to safeguard quality and reliability at all levels and to maximize the availability and customer satisfaction with IT services by improving stability and security.

For additional detail on this new group, visit http://www.availabilitydigest.com/public_articles/1202/zoisa.pdf

By Dr. Bill Highleyman, Managing Editor, Availability Digest

**Hewlett Packard Enterprise**

# ▎HPE NONSTOP NEWS

I n the first quarter of 2017 there have been a number of important releases for HPE NonStop X servers. Firstly a quick catch-up on some software availability and support status changes.

NonStop Server for Java 7 (NSJ7) which is for the JDK 1.7 will move to "limited" support status at the beginning of February 2018. NSJ7 has been distributed on SUTs starting J06.15 and L15.02. Customers should look to using NSJ8 which has been distributed on SUTs starting J.06.20 and L16.05.

NonStop Performance Essentials Host and Client will move to "mature" status at the end of March 2018.

A new HPML (hardware product maintenance list) was released in February 2017 which is available via the HPE NonStop eService portal (formerly OnePoint).

cF SecureTape and cF Data Security are now available via HPE NonStop. cF SecureTape is a software based tape encryption for physical and virtual tape environments. cF Data Security base has an SDK for direct data protection and will integrate into Voltage SecureData FPE helping protect data elements. The optional advanced module helps parse for sensitive data and integrate with data transfer tools, optional file protection module helps protect sensitive files rather than a data element.

## NONSTOP X BASED SYSTEM ANNOUNCEMENTS

HPE has announced the availability on the L17.02 RVU for the NonStop Mission Critical OS. As well as the "converged" NS3X and NS7X systems, this RVU will be supported by Virtualised NonStop (vNS). As well as support for vNS and associated deployment tools, L17.02 includes new versions of Samba, Python enhancements, C++11 compiler support, iTP Webserver improvements and SQL/MX 3.5 as some of the updates. CLIM VLAN, VXLAN and LCAP multi tenancy enhancements are included for both NonStop X and vNS.

HPE Virtualised NonStop Release 1.0: HPE NED is pleased to announce the general availability of the HPE Virtualized NonStop software product. This marks the first step in the execution of HPE's strategy of enabling HPE NonStop software for deployment in modern cloud environments.

With Virtualized NonStop you may now instantiate, deploy and manage NonStop systems in an IaaS environment using OpenStack services such as Nova, Cinder, Neutron, Glance and Horizon.

HPE Virtualized NonStop is supported by L-Series RVUs, beginning with L17.02. HPE software products supported on the NonStop X systems also are supported on Virtualized NonStop systems (with a few exceptions).

## NONSTOP SQL DATABASE ANNOUNCEMENTS

SQL/MX 3.5 is a very important release within L17.02 including Database Compatibility features (easing migration from other databases), Database Services and multi-tenancy support and isolation, schema level privileges, new data types, PL/MX functions (easing PL/SQL migration), Java Stored Procedure enhancements, materialized views and workload management services to name a few functional additions.