



If you don't get chance to get to TBC then fear not, as BITUG will bring you an update on all the latest news at our upcoming Little SIG on December 3rd kindly hosted at Barclays Bank's offices in London



CHAIRMAN'S CHAT

Welcome to the Autumn 2019 BITUG Newsletter

October is upon us and the weather has definitely taken a downturn recently here in UK, so won't be too long before the leaves fall off the trees and the clocks go back. Of course that also means it's time for this Autumn/Fall edition of the BITUG Newsletter.

It seems a very long time ago now, but for those that missed it, we hosted a very successful European NonStop Technical Conference (ETBC) in Edinburgh in May. This was the second Large event we have hosted - the previous being eBITUG in London on 2017. It was a major success and I am pleased to announce that BITUG will again host such a conference in London in 2021.

Coming up soon will of course be the annual Connect NonStop Technical Bootcamp in San Francisco. A number of the BITUG Committee, including myself, will attend and we are all looking forward to hear how 'NonStop' has done over the past year worldwide, any new

announcements and future plans for the platform now that it's a 'software' business only. I for one am very curious to hear of any real-world vNS installations in past year and if vNS is on any NonStop organisations' radar.

If you don't get chance to get to TBC (and I know it gets harder each year for many NonStoppers to get travel authorisation) then fear not, as BITUG will bring you an update on all the latest news at our upcoming Little SIG on December 3rd kindly hosted at Barclays Bank's offices in London. We have a draft agenda for this one-day event which includes updates from HPE, as well as a presentation piece on Monitoring NonStop estate using Elastic Stack, a piece on MQ v8 replication and best practises as well as a session on recovering your NonStop from Bare Metal which is becoming a requirement in the financial sector in particular. Registration is open now, so please go to the website www.bitug.com for further details and to

register.

This will be my final Chairman's Chat for 2019 as my realm of Chairman comes to a close in December. It has been a great pleasure serving the BITUG membership as Chairman this year and am pleased that we have only seen membership grow. Of course if you know of anyone who is not yet a member of BITUG (remember it is free for NonStop user base) then please pass this Newsletter along and get them to sign up at www.bitug.com/join.

Finally a Big Thank You from me to rest of my volunteer committee, our vendor community for their support and of course you, our members. We can't run BITUG without you.

I look forward to seeing you at TBC or our upcoming Little SIG.

Collin Yates
Technical Director, *TCM Solutions Ltd.*
2019 BITUG Chairman



BITUG COMMITTEE

Chairman

Collin Yates
TCM Solutions

Vice Chairman

Neil Barnes
Lloyds Banking Group

Treasurer

Iain Liston-Brown
HPE

Vendor Liason

Collin Yates
TCM Solutions

HPE Liaison

Iain Liston-Brown
HPE

Membership Database

Paul Brown
Lloyds Banking Group

SIG Coordinators

Damian Ward
Vocalink-Mastercard

Kevin Poultney
Brightstrand International

Robert Waldron
Barclays

John Bycroft
Comforte

Contact details
available at:
www.bitug.com/the-bitug-committee/

CSP NEWS

HOW CAN YOU EFFECTIVELY SECURE ACCESS TO SYSTEMS AND PERSONAL INFORMATION?

The types of threats being faced in today's cybersecurity environment are numerous and varied. Identity theft, for example, is a low-risk/high-reward type of crime for hackers; this makes it a real threat to all businesses. Weak passwords can lead to stolen credentials, and are one of the easiest ways for hackers to compromise a system or application; this is why the majority of web application attacks begin with stolen credentials.

The ability to verify a user's claimed identity through various authentication factors has become crucial for NonStop systems, especially for users that will be logging-on to business-critical applications.

Multi-factor authentication has become vital in ensuring secure access to systems. It provides superior safety measures over easily

compromised single password methods and is also an important requirements to comply with regulations such as PCI 8.3 and GDPR.

Prevent fraud with Multi-factor Authentication

The new CSP Authenticator+™ supports both primary and secondary authentication for NonStop. It provides a RESTful interface which supports multi-factor authenticated logins on NonStop systems. CSP Authenticator+ resides on the NonStop Platform and uses an OSS "bridge" to connect to the RESTful interface of the CSP Authenticator+ web server.

Learn more about CSP Authenticator: www.cspsecurity.com/announcements/just-released-csp-authenticator-2/

CSP
Authenticator +

**Multi-Factor Authentication
for NonStop Systems**

CSP
COMPUTER SECURITY PRODUCTS INC.



4TECH SOFTWARE NEWS

TEN YEARS OF HELPING NONSTOP USERS ACHIEVE AND MAINTAIN PCI-DSS COMPLIANCE



The first lines of codes for 4tech Software's PANfinder (PF) were birthed onto a computer screen just under ten years ago! Since those embryonic beginnings in a Melbourne office, PF first pioneered and is now unrivaled in the world of payment card data discovery on the HPE NonStop.

PANfinder's first install was at a large European payment processor and has since been employed by banks and switches across Europe, the Americas and Asia. All our customers rely on PF to search their NonStop systems identifying un-encrypted card data. Any card data PF locates can be dealt with in accordance with PCI-DSS requirements. Once your systems are clean, PF provides an invaluable method of maintaining and proving ongoing compliance.

Following in PANfinder's successful

footsteps is our innovative Integrity Detective (ID) solution. As well as providing real-time File Integrity Monitoring (FIM), ID also provides enterprise level alerts on monitored objects and live sub system configurations.

The latest addition to our security portfolio is PIlfinder (personal identifiable information finder). PIlfinder expands on our ten years of experience in card data discovery and gives users the ability to locate just about any type of data. PIlfinder can help you ensure your sensitive customer data is being stored in accordance with the appropriate authorities and compliance regulations such as SOX, HIPAA, GDPR, PCI-DSS etc.

For more information on any 4tech Software products please visit www.4tech.software PANfinder is also available from your comforte AG representative or www.comforte.com

World Class Real-Time Enterprise Monitoring



Bring NonStop, Cloud, Unix, Linux and Windows platforms together into a single pane of glass. Sentra 7.5 is a comprehensive, cost-effective monitoring solution that keeps you immediately up to date across all your mission-critical tools.

Monitoring. Simplified.

Going to TBC 2019? Check out our Sentra presentation
or contact us for a meeting at hello@insidertech.co.uk



EVENTS CALENDAR

CONNECT PRESENTS THE NONSTOP TECHNICAL BOOT CAMP

DATES: 3-6 Nov 2019
VENUE: Hyatt Regency,
San Francisco Airport,
California, USA

Further information: www.connect-community.org/nonstop/

BITUG LITTLE SIG 2019

DATE: 3rd Dec 2019
VENUE: Barclays Bank, 5
North Colonnade, Canary
Wharf, London E14 4BB

Further information:
www.bitug.com

THE EUROPEAN NONSTOP HOTSPOT 2020

DATES: 4-6th May 2020
VENUE: Radisson Blu Hotel
Berlin, Germany

Further information:
www.gtug.de

BITUG BIG SIG 2020

DATE: 17th June 2020
VENUE: Trinity House, Trinity
Square, Tower Hill, London
EC3N 4DH

Further information:
www.bitug.com



NONSTOP NUGGETS

LITTLE SIG REGISTRATION

This year's BITUG Little SIG will return to Barclays in Canary Wharf on Tuesday 3rd of December 2019.

As with previous Little SIGs at this venue, advanced registration is a must and you are reminded to bring photo ID on the day. Little SIG Registration is now open via our website: www.BITUG.com

CHARITY RUN

Former BITUG Committee member, Dan Lewis, ran this year's London Marathon to raise money for the Evelina London Children's Hospital and for Demelza Hospice, which provides specialist care and support for children with terminal conditions.

Dan would like to thank Brightstrand for its generous donation and the other BITUG members who have helped him raise £4,816 so far! If you'd like to help him reach £5,000, there's still time! Visit: uk.virginmoneygiving.com/Run4Rish



XYPRO NEWS

STRATEGIES FOR CAPTURING AND CREATING VALUE FROM YOUR SECURITY DATA

We all know that the volume of data generated and captured is increasing all of the time. The data coming from the NonStop is no exception. This is particularly true when it comes to security information. It's also a fact that 73% of data within an enterprise goes unused for analytics. That means that most organizations have all the data they need to identify a security breach, but the current meantime

detection of breaches sits at well over six months.

In this article, Steve Tcherchian, Chief Product Officer at XYPRO, explores why that is the case, looking at the data volumes, velocity and variety, the 'unknown unknowns' and the contextualization challenges of working with these 'data lakes'. He discusses how technologies such as machine learning and anomaly detection can contribute to proactive security and early threat detection and even illustrates the Return On Investment that analyzing your security data can bring.

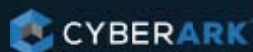
Read the full article at: bit.ly/2n7jkk1

XYGATE Identity Connector

Identity Governance and Administration for HPE NonStop Servers



Integrate SailPoint IdentityIQ and CyberArk with your HPE NonStop Server



For Additional Integrations
Contact Your XYPRO Account Executive

Learn more at
xypro.com/identity



©2018 XYPRO Technology Corporation. All rights reserved.
Brands mentioned are trademarks of their respective companies



GRAVIC NEWS

TWO NEW VIDEOS ON HPE SHADOWBASE

Shadowbase Overview Video

We hope that you find this video interesting and informative. Mission-critical enterprise users rely on the award-winning Gravic Shadowbase product suite to distribute their critical data and information in real-time to target databases and applications. Software solutions include active/passive disaster recovery to active/active disaster tolerance, feeding data warehouses and real-time business intelligence facilities, and performing zero application downtime migrations (ZDMs). Please share the video with your colleagues!

This video is also available on the Shadowbase Software Vimeo website in Spanish (several dialects), Korean, Japanese, and Chinese

Simplified subtitles, with additional translations in the future.

www.vimeo.com/345756852

Paul J. Holenstein Award Interview

Paul Holenstein, Gravic EVP, was interviewed at HPE Discover on Gravic winning the HPE Momentum Technology Partner of the Year 2019 Award.

www.vimeo.com/345753958

Hewlett Packard Enterprise directly sells and supports Shadowbase solutions under the name HPE Shadowbase. For more information, please contact your local HPE Shadowbase representative or visit

www.ShadowbaseSoftware.com



NUWAVE NEWS

NONSTOP AND MICROSERVICES

In a NuWave blog last year, we looked at API Gateways, and how NonStop applications can benefit from working with them. Microservices are an important aspect of working with API Gateways, and while that article touched on microservices, it didn't get into details.

Microservices are an architectural approach to application development - in a microservice environment the application is built as a collection of small services. Each service has a unique and well-defined role, and normally communicates via HTTP REST APIs. Microservices can be independently deployed, upgraded, scaled and restarted, without affecting other services in the ecosystem. Hang on, that sounds a lot like NonStop TS/MP (Pathway to most of us) doesn't it?

For an in depth look at microservices and how to take advantage of them to build out your application capabilities on NonStop, check out our recent blog at www.nuwavetech.com/microservices.



BrightStrand
INTERNATIONAL
MISSION CRITICAL SERVICES



Hewlett Packard
Enterprise
Business
Partner

HP NonStop services tailored to your business

The premier onsite and remote NonStop services provider.

We deliver tailored services that provide lower cost, reduced risk, higher availability and increased efficiencies.

Give us a call now to find out what we can do for you.

+44 (0) 141 204 4046 or email info@brightstrand.com

*No smoke,
no mirrors,
no snake oil.
Just NonStop
Services to suit you*

www.Brightstrand.com



HPE NONSTOP NEWS

Support Lifecycle

HPE's updated Hardware Product Maintenance List (HPML) and Software Product Maintenance List (SPML) are anticipated to be posted to the NonStop eServices Portal (NSeP) by the end of September 2019.

Any customers in Europe should note that sales of new NonStop i NS2300 & NS2400 systems will end on 31st October 2019 and sales of new NonStop i NB56000c systems will end on 31st January 2020.

Media Manager

HPE's NonStop Tape Library Media Manager (LMM QSF21V1) is a software product that allows tape libraries and tape drives to run unattended labeled backups and restores. Entry-Level Media Manager (ELMM QSF03V1) is another media manager product that enables Linear Tape Open 5 (LTO 5) Automatic Cartridge Loader (ACL) tape drives to act as random access tape libraries.

These products will move to the LIMITED support level in August 2020.

HPE NonStop cf uLinga

HPE NonStop Enterprise Division is pleased to announce the general availability of HPE NonStop cf uLinga as a new product on the NonStop portfolio for L series.

HPE NonStop cf uLinga for X25

enables HPE NonStop systems running the L-series NonStop operating system to quickly, efficiently, and reliably migrate from X.25 to X.25 over TCP/IP (XOT) without the need to change mission-critical applications or the client interface.

HPE NonStop cf uLinga for EE enables HPE NonStop systems to integrate with IBM mainframes while retaining key IBM mainframe subsystems including CICS, IMS, TSO, and others. With HPE NonStop cf uLinga for EE, the HPE NonStop server can participate in the Systems Network Architecture Advanced Peer-to-Peer Networking (SNA APPN) networking world as an EE node—significantly reducing the Virtual Telecommunications Access Method (VTAM) definitions required. HPE NonStop cf uLinga for EE supports native HPE NonStop interfaces including HLS, SNAX/ APC, SNALU, CRT, RAW socket, and IPS.

NonStop BackBox VTC and VTR V3

HPE NonStop Enterprise Division is pleased to announce the general availability of HPE NonStop BackBox Virtual Tape Controller (VTC) and Virtual Tape Repository (VTR) R3 for the HPE NonStop systems running the L- and J-series NonStop operating systems.

The NonStop VTC R3 is based on the HPE ProLiant Gen10 technology and runs the HPE NonStop BackBox software and Microsoft® Windows® Server 2016 operating system.

The NonStop VTR R3 consists of an HPE ProLiant DL380 Gen10 server that runs the VTR software and Microsoft® Windows® Server 2016 operating system. It comes with a 16TB of usable storage. The NonStop VTR R3 supports one or two NonStop systems and can replicate virtual tape images between VTR units in the same or different data centers.

HPE NonStop Operations Agent 5.6

HPE NonStop Operations Agent (OVNM) 5.6 is now available for HPE Virtualized NonStop, NonStop X & NonStop i systems.

Object Configuration Client & Object Map is moved to web as part of modernization of legacy thick windows clients. It enables user to access the features of the thick clients via web browser. Role Based Access Control provides Single-Sign On for OCC and ObjectMap Web Clients along with User Group Management and various other security features. Storage thresholds enable user to monitor disk volume or disk path status. OVNM 5.6 provides the ability to monitor security-relevant events provided by Safeguard subsystem. OVNM 5.6 supports HPE Virtualized NonStop systems & CLIM Multi-tenancy with extended CLIM-STORAGE thresholds enabling users to monitor various states of the CLIM i.e. Started, Not Started or Starting.



It's Migration Season!



TCM is a proud partner of the

HPE NonStop Migration Services Program

Speak to HPE or TCM today. Together we will ensure you are provided with all the support you need to complete your migration to NonStop NSX

TCM: The NonStop Experts - www.tcm.uk.com - nonstop@tcm.uk.com - +44 1592 770081