CHAIRMAN'S ADDRESS

Welcome to the Autumn 2023 BITUG Newsletter

Welcome to your free autumn edition of the BITUG newsletter.

As the nights draw in and the leaves and temperature fall (eventually), we can look back over the year and reflect on the great comments we received from many of those who managed to attend the eBITUG event at the Sheraton Grand Hotel in Edinburgh last May. In doing so, we can confidently summarise that the event was a great success, with far more attendees than originally forecast, featuring endless networking opportunities and a healthy two-day knowledge sharing hub, enjoyed by all.

This took a lot of effort to organise and execute and I would like to take this opportunity to personally thank all of your committee for all their hard work to make this event such a success. They are all volunteers and as you can see in this newsletter, comprise a mix of individual users and vendors who aim to put together news, product updates and networking events to benefit all those involved in NonStop.

Also, a big THANK YOU from BITUG to Philippe Evans - Iron Man, keynote speaker and host in the Edinburgh Suite throughout the event, all our BITUG Vendor Membership and of course the folks at Connect, who continue to support our NonStop Community Events, please

remember when you do see them at future BITUG events, that without their support we simply would not be able to hold these events.

So, to close out 2023 with a bang (…... and of course a beer), we will be holding our annual Little Sig on Thursday 7th December at: Monument Serviced Offices, 20 St Dunstan's Hill, London, EC3R 8HL, a new location for a BITUG event.

This will be a busy face to face event with a full day's agenda and your opportunity to network with the BITUG user and vendor community. Registration is free, but limited so to avoid disappointment please register now while places are available. If you didn't get an email about registration for this event then go to www.bitug.com to register now, you can also see all the up-to-date details on timings and agenda for the 2023 Little Sig on these web pages.

Last item on the Agenda for the Little Sig will be the AGM including some great news that will help our events run even smoother in 2024/5, and an outline of the 2024 BITUG committee organisation. The 2024 committee is looking forward to (and is already starting) to plan for 2024 and 2025 events. With that in mind, it may be worth earmarking some of the dates currently planned or in the process of

planning from the table above into your diaries.

Following the AGM there will be a traditional beer bust (including a "festive buffet", but rest assured that no Edinburgh Pies will be served) at the BrewDog Outpost Tower Hill, 21 Great Tower St, London EC3R 5AR, which is just a short walk from the Little Sig venue.

Finally, I hope you will join me in thanking NonStop users Paul Brown and Damian Ward our proposed Chair and Deputy Chair respectively for 2024 who I'm sure will do us all proud in continuing with the BITUG user group ethos.

A happy and prosperous new year to you all and I look forward to seeing and hearing from you at the user group events next year.

Kevin Poultney
BITUG Chair 2023
Email: chair@bitug.com

NONSTOP TECHNICAL BOOTCAMP 2023

A MEMORABLE IN-PERSON GATHERING XYPRO IN THE SPOTLIGHT WITH GROUND-BREAKING PRESENTATION

One of the undeniable highlights of this year's NonStop TBC was the HPE Keynote presentations, which showcased the latest advancements and trends in the world of Hewlett Packard Enterprise (HPE) NonStop systems. These sessions were met with enthusiasm from attendees, reaffirming the relevance and significance of NonStop technology in today's ever-evolving IT landscape.

Beyond the HPE Keynote presentations, one session stood out and captured the attention of the majority of attendees. Steve Tcherchian, Chief Product Officer of XYPRO Technology, on the topic of "A Zero Trust Approach to Ransomware Protection and Data Resiliency."

XYPRO's presentation struck a chord, addressing the most pressing concern in the tech world today—cybersecurity. Steve's insights into a Zero Trust approach for robust protection and data resilience were invaluable. Expertise and practical recommendations provided actionable takeaways to be implemented immediately.

The feedback from attendees was overwhelmingly positive, with many expressing that XYPRO's presentation was among the most valuable sessions of the entire event. Read More below.

https://xypro.com/news/hpe-nonstop-technical-bootcamp-2023-a-memorable-in-person-gathering/

TCM InSight

Bringing your NonStop into focus

TCM InSight is a quick snapshot assessment, aimed at providing a clear and accurate understanding of your NonStop systems and setup. This impartial analysis will assess the health of key system processes and procedures at the touch of a button. InSight will identify vulnerabilities, opportunities to excel, and highlight areas of existing best-practice.
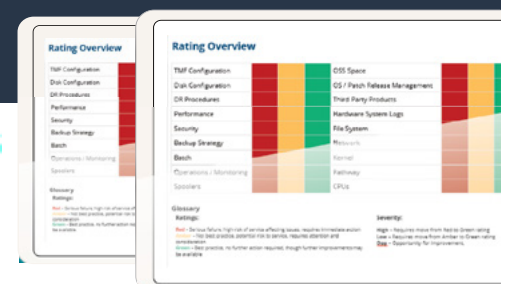
Developed in collaboration with

Hewlett Packard Enterprise

Delivered by TCM, an accredited, Silver Partner of HPE, recognised worldwide as experts in the field of NonStop.

www.tcm.co.uk | nonstop@tcm.co.uk | +44 1592 770081 | The NonStop Experts

Get in touch with your HPE NonStop sales representative to learn how you can get InSight today

SECURDPS

DATA PROTECTION ON HPE NONSTOP

Data breaches can cause severe damage to businesses processing sensitive data. To protect sensitive payment cardholder data, PCI-DSS demands the Primary Account Number (PAN) be rendered unreadable anywhere it is stored. Other compliance rules and regulations like GDPR, HIPAA or local data protection laws require organizations to develop sound security strategies in order to protect their valuable data assets.

However, instrumenting existing applications running on HPE NonStop servers with a compliant data-at-rest protection mechanism can be a daunting task.

The SecurDPS product suite provides the technology to discover and classify, to protect any sensitive data with minimal effort and without changing existing applications. SecurDPS allows organizations to take complete control of their sensitive data, lowering compliance costs and significantly reducing the risk of data breaches. comForte's SecurDPS is the Gold Standard on HPE NonStop systems.

https://www.comforte.com/resources/fact-sheet-securdps-data-protection-on-hpe-nonstop/

CSP NEWS

ARE YOU READY FOR PCI DSS 4.0?

The PCI Security Standards Council issued version 4.0 of the PCI Data Security Standard (PCI-DSS) on March 31, 2022. PCI-DSS v4.0 replaces PCI-DSS version 3.2.1 to address emerging threats and technologies and provide innovative ways to combat new threats.

It's worth noting that PCI-DSS v3.2.1 will be retired on March 31, 2024. The pressure is on for organizations to ensure they meet the new compliance requirements established in PCI DSS v4.0.

There are sixty-four new requirements in PCI-DSS v4.0. Some of these requirements are effective immediately for all PCI-DSS v4.0 assessments, but most of these remain best practices for now and will not come into effect until March 31, 2025.

The twelve core PCI-DSS requirements did not fundamentally change with PCI-DSS v4.0, and they remain the critical foundation for securing payment card data.

However, the requirements were redesigned to focus on security objectives and to guide how security controls should be implemented.

What's New in PCI-DSS v4.0?

The goal of the updated security payment standard is to "address emerging threats and technologies and enable innovative methods to combat new threats," per the PCI Security Standards Council.

Learn how Verify Elite can help you meet the latest PCI-DSS requirements.

https://www.cspsecurity.com/blog/are-you-ready-for-pci-dss-4-0/

NONSTOP SECURITY WIKI

CSP - COMPLIANCE AT YOUR FINGERTIPS®

For complimentary access to CSP-Wiki®, an extensive repository of NonStop security knowledge and best practices, please visit wiki.cspsecurity.com

We Built the Wiki for NonStop Security ®

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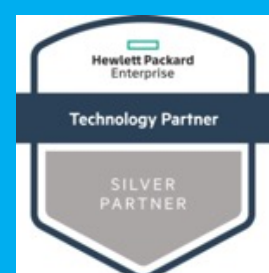
BITUG LITTLE SIG 2023

BITUG WELCOMES BACK IT'S MEMBERS TO LITTLE SIG 2023!

The 2023 Little SIG is confirmed for Thursday 7th December. We have updates and educational sessions from HPE and our vendor community. We are using a new location this year; Office Space in Town, 20 St Dunstan's Hill, London, EC3R 8HL. The day will kick off 09:30, with coffee available from 09:00. Following the event, we are planning drinks and snacks at the local Brew Dog, Tower Hill Outpost 21, Tower Street, EC3R 5AR. A provisional agenda is below. For more information and to make your free registration for the event, please visit the BITUG website at www.BITUG.com

Start Time	End time	Presentation	Presenter
09:30	09:40	Welcome	Kevin Poultney
09:40	10:10	State of the Nation	Vlastimir Stankovic (HPE)
10:10	10:45	Vendor	TBC
10:45	11:00	Coffee	
11:00	12:00	HPE NonStop Updates from TBC 2023	Iain Liston-Brown (HPE)
12:00	12:35	Vendor	4Tech
12:35	13:35	Lunch	
13:35	14:10	Vendor	NTI
14:10	14:45	Vendor	TCM
14:45	15:25	Vendor	comforte
15:25	15:40	Coffee	
15:40	16:15	Digital Resilience for your NonStop	Iain Liston-Brown (HPE)
16:15	16:30	BITUG AGM	Kevin Poultney/Collin Yates
16:30	16:40	Closing Remarks	Kevin Poultney/Paul Brown
16:40	18:30	Beerbust (BrewDog Tower Hill, Gt Tower Street EC3R 5AR)	All
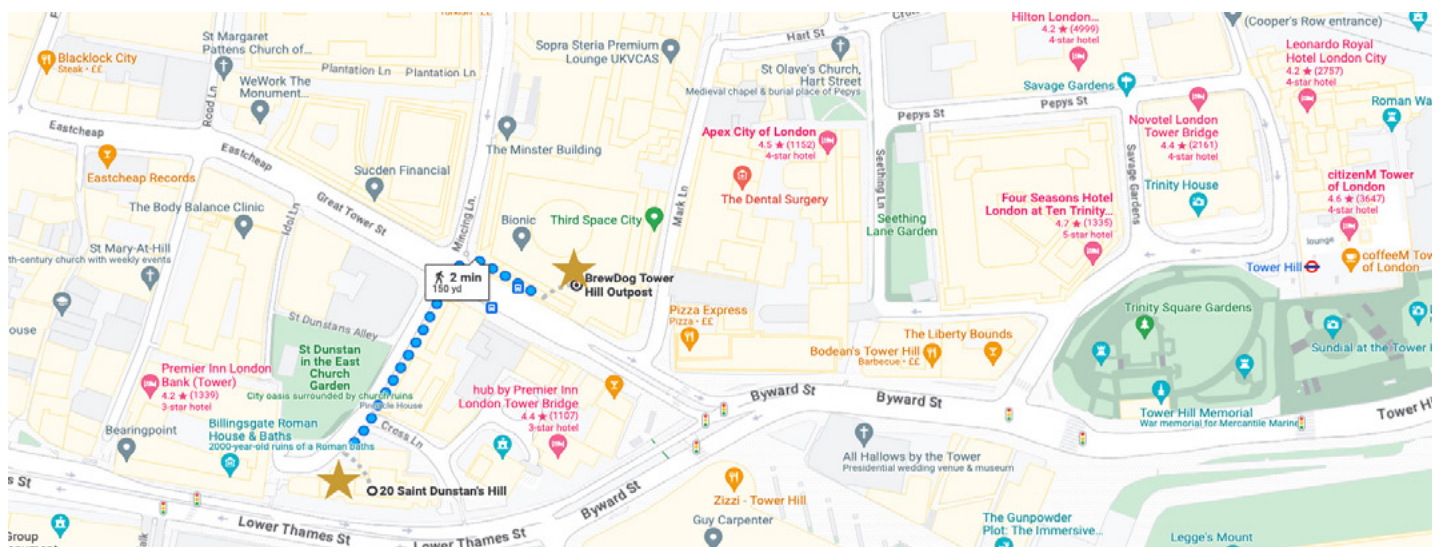
HPE NONSTOP NEWS

The NonStop Technical Boot Camp 2023 has now been and gone in Denver Colorado, the first time it has been held there. The event was early this year to avoid the Colorado winter weather that can arrive early in October/November. Delegates had a chance to see HPE's Ian Inglis, who has replaced the much-missed Karen Copeland as Head of Product Management.

Although there weren't any dramatic new product announcements at TBC 2023 there were a number of significant product enhancements.

The HPE NonStop Console is now available running Windows Server 2022. There is now a stand-alone OSM Event Viewer available as a Java desktop application.

Proof of Concepts for Virtualized NonStop in Microsoft Skytap Azure and Google Cloud Platform using VMware hypervisors was discussed as well as a longer term vision to allow both RoCE and standard Ethernet NICs for vNS.

DataEdge for NonStop is a new streaming analytics solution for business metrics in Payments environments such as Base24 and Connex plus many others. As well as creating reports and dashboards and being able to aggregate transactional information into time buckets, the analytics can assist in identifying normal from abnormal behaviour and create thresholds and alerts.

HPE PanFinder along with HPE Tokenator is a solution for PCI DSS 4.0 compliance helping identify sensitive fields such as PANs and then creating Format Preserving Encryption as a protection method.

System Disk Snapshot and Restore

For a number of Finance customers top of the list is the addition in L23.08 of a system disk snapshot and restore utility allowing customers to be able to snapshot $system, safe store and

then be able to stand up a NonStop server from bare metal by restoring this snapshot to a Storage CLIM.

HPE also announced it can provide a Digital Resilience and Recovery "air gapped" service for NonStop customers.

Middleware Enhancements

L23.08 saw a number of enhancements released including a new NonStop API Gateway 1.4 version that supports mutual TLS authentication for client/server and also MFA authentication capabilities as well as being able to write user exits for data flows, error codes etc.

NonStop Server for Java (NSJ11) Update 3 adds AES-NI cryptography instructions executed in x86 hardware improving performance as well as faster CRC calculations. (NSJ11 U3 should be the minimum target for supported Java environments before July 2025).

Hewlett Packard Enterprise

HPE NONSTOP NEWS

NonStop HTTP Server 2.4 (deep port of Apache HTTP 2.4) also sees MFA Authentication as well as the ability to use the APache eXtenSion tool which allows access to the many modules available within the Apache community as a plugin.

NonStop In-Memory Cache 7.0 (NSIMC) is a fault tolerant port from Redis 7.0.8 and brings new data structures akin to an append-only log. Steams have unique IDs allowing clients to retrieve entries to a particular stream. Transport links for NSIMC 7.0 are now over SSL and access control lists can be created enhancing security.

TS/MP 2.8 Update 5 increases capacity with maximum configures values up from 4095 to 8190 for example MAXSERVERS, NUMSTATIC and MAXSERVERPROCESSES. Configurable zero-weighted Pathmons now allows the freedom of how to handle requests in failure scenarios.

NonStop Servlets for JavaServer Pages 10.1 (NSJSP 10.1) is a deep port of Apache Tomcat 10.1.7 for NSJ11 and adheres to Jakarta EE (JEE) specifications for a servlet container with servlet APIs, servlet page objects and run time management. This requires NSHTTP Server 2.4 as it's front end rather than iTP Webserver.

The HPE NonStop Development Environment (HPE NSDevEnv) offers NSDEE 12.0, Windows C/C++ and Cobol cross compilers in AWS and MS Azure as a Service offering to develop code.
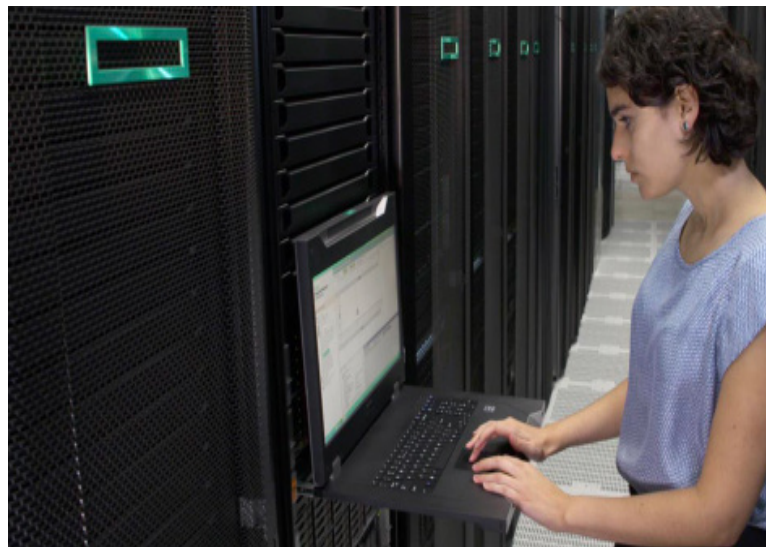
HPE SHADOWBASE DATA RESILIENCE FOR NONSTOP USERS

Enterprises around the globe are racing to protect themselves, because Malware and Ransomware have become massive and potentially existential threats. A comprehensive defense requires multiple layers of protection, including strong Data Resilience.

HPE Shadowbase software provides unique Data Resilience capabilities for NonStop users since it integrates with the NonStop transaction logging facility, TMF, to assist with data recovery should an attack occur. Using TMF provides ACID transaction protection, guarantees database changes are logged, and enables HPE Shadowbase to use the Audit Trail change data for recovery. Additionally, HPE Shadowbase detects and prevents Man-in-the-Middle attacks, which could disrupt critical backup processes and corrupt recovery data.

HPE Shadowbase facilitates adherence to the 3-2-1-1 backup rule so that companies can replicate data into immutable storage and quickly recover on an air-gapped, isolated (and hence fully protected) system.

Gravic has proved digital resilience solutions for over 40 years. Let us show you how. Please contact us.

http:/www.shadowbasesoftware.com/contact-us/

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