



Bite Sized eBITUG will consist of multiple online sessions during the early weeks of December



CHAIRMAN'S CHAT

Welcome to the Autumn 2021 BITUG Newsletter

Hello Everyone. I hope you've all enjoyed a nice summer including a break although it's fair to say we've had some 'mixed' British weather as always.

In terms of highlights since we last got to speak the TBC event is ongoing as I write this with free access to all for both the live events (although be aware of time zone) and the archive following the event. At this point it feels like me crossing my fingers continuously but personally I hope this is us entering the final quarter of 2021 and hopefully the final quarter of 'Fully Virtual' events.

From a BITUG perspective this would usually be the time of year the Committee and I would begin the big push for BIG SIG to end the year with a face-to-face

meet up. Sadly, with the current ongoing measures around travel for many of our attendees' organisations and the upcoming winter months meaning COVID-19 awareness is on high alert we have taken the tough decision to in effect cancel the BIG SIG event for this December.

This of course is a tough decision to come to by being an event with a long standing tradition and a chance for everyone's farewell to the year for the User Group. However, this has allowed us to announce for this year's winter schedule the 'Bite Sized eBITUG'. Bite Sized eBITUG will consist of multiple sessions lasting circa 3 hours over a period for afternoons during the early weeks of December. Thanks to the

assistance from multiple vendors as well as HPE who have taken up presentation slots, as ever your support to all events we run is much appreciated.

Further information on Bite Sized eBITUG will be out in due course so please keep an eye out and register your interest.

It's still early in Q4 but in case we don't get to speak before 2022, I just want to wish everyone Season's Greetings as we approach the end of another year and Happy New Year for 2022!
Thanks

Paul Brown
Lloyds Banking Group
BITUG Chair 2021
Email: chair @ bitug.com



4TECH SOFTWARE NEWS

4TECH PRODUCTS AND SUPPORT NOW AVAILABLE DIRECT FROM HPE

For over a decade 4tech Software Limited (4tech) has been a Business, Alliance and Technology partner with Hewlett Packard Enterprise (HPE). Today we're pleased to share news of a strengthening of that partnership by announcing HPE as our primary global sales, distribution and support partner.

4tech's existing security/compliance solutions; PANfinder and Integrity Detective will be available via your HPE NonStop representative with immediate effect, with support via HPE's excellent GNSC service as you would expect.

PANfinder (PF) is the cornerstone of any PCI-DSS compliance project. PF has consistently located sensitive payment card data being inadvertently stored outside of defined cardholder data environments. After its initial reports and remedial actions being carried out, PF continually searches HPE NonStop servers for readable sensitive payment card data, highlighting problems as they occur and providing valuable proof of ongoing compliance.

Integrity Detective (ID) is the most comprehensive file and subsystem configuration integrity monitor available for the HPE NonStop today. ID provides continuous (real-time) monitoring and reporting of your HPE NonStop files, objects and subsystem configurations. So if something changes and your system security is compromised, an alert

will be generated and you'll be able to take immediate action.

"I don't want people to think HPE is simply offering alternatives to existing solutions with this partnership" said Sean Bicknell, Sales Director, 4tech, "with HPE offering 4tech's solutions, they're adding products with functionality never previously available via HPE. NonStop users will now find it even easier to improve security on their NonStops with 4tech's best of breed products".

"4tech's solutions have been developed with the end user and their specific job function in mind" added Greg Swedosh, Technical Support Director and CISO at 4tech, "our solutions are quick and easy to install and configure, with exactly the right level of functionality to allow you to effectively do your job, while quickly achieving regulatory compliance".



NONSTOP DIARY DATES

BITE SIZED eBITUG

DATES: 2nd, 7th and 9th
December 2021

VENUE: Virtual

DETAILS: www.BITUG.com

CONNECT NONSTOP TECHNICAL BOOTCAMP

DATES: 8-10th November 2022

VENUE: Hyatt SFO Airport,
Burlingame, California

DETAILS: www.NonStopTBC.com

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BITE SIZED eBITUG 2021 PREVIEW



MARK YOUR DIARIES FOR THREE AFTERNOONS IN EARLY DECEMBER: IT'S BITE SIZED eBITUG!

With the ongoing uncertainties around the COVID Pandemic, you will now be aware that we decided to cancel the usual face to face BIG SIG event we host in December. Instead, we have decided to host a virtual event which we are calling "Bite Sized eBITUG".

This will consist of approx. 3 hours of Presentations for 3 days in early December. It will be free to ALL to attend and will be run using Zoom sessions.

You can register at the BITUG Website

– Just go to bitug.com and click under 'Events' for registration details.

While we are still working on the full agenda, below is a draft agenda to give you a flavour of what we are planning.

The agenda will change – but the event days/start/stop times won't – so you can plan those afternoons for the Bite Sized eBITUG event now.

We look forward to 'seeing' you at our event.

Thanks on behalf of all the BITUG Committee

Thursday 2nd Dec 2021 - Day 1

Start Time	End time	Presentation - Track 1	Presenter	Presentation - Track 2	Presenter
13:00	13:10	Welcome	Paul Brown	Welcome	Paul Brown
13:10	13:50	State of the Nation			Neil Davis HPE
13:50	14:20	Infrasoft - Ulinga for Kafka	TBC	NTI - Unified for NonStop	TBC
14:20	14:40	Comforte - PCI staying in compliance	TBC	ETINet - QoreStor, dedup and cloud storage for	TBC
14:40	15:30	NonStop Platform Futures			Mark Pollans HPE
15:30	16:00	BITUG AGM	Paul Brown	Local European User Group Discussion	TBC
16:00	16:00	End of Day One			

Tuesday 7th Dec 2021 - Day 2

Start Time	End time	Presentation - Track 1	Presenter	Presentation - Track 2	Presenter
13:00	13:10	Welcome Day 2	Paul Brown	Welcome	Paul Brown
13:10	14:00	OS, vNS, Security and Manageability Futures			Prashanth Kamath HPE
14:00	14:30	Nextbridge NSGit	TBC	TANDsoft - Accessing SQL/MX from Enscribe Apps	TBC
14:30	15:00	NonStop Systems Management Demo	NETS	Customer Talk (European Local)	TBC
15:00	15:30	CSP - Cloud Native App for MFA	TBC	NuWave - new products	TBC
15:30	15:30	End of Day Two			

Thursday 9th Dec 2021 - Day 3

Start Time	End time	Presentation - Track 1	Presenter	Presentation - Track 2	Presenter
13:00	13:10	Welcome Day 3	Paul Brown	Welcome	Paul Brown
13:10	14:00	Middleware, Database and DevOps Futures			Sridhar Neelakantan
14:00	14:30	Gravic - Shadowbase update	TBC	4tech - Discover, Monitor & Secure your NonStop	Sean Bicknell
14:30	15:00	IBM MQ Update	TBC	ETINet - Nova automation and Cdeep analyser	TBC
15:00	15:30	XYPRO - SecurityOne Suite for zero trust	TBC	Idelji - WebViewpoint Enterprise update and Local	TBC
15:30	16:00	Middleware, Database and DevOps Futures			Vanessa Kaupp HPE
16:00	16:10	Day 3 Closing Remarks			



CSP NEWS

PCI DSS 4.0 IS COMING ARE YOU READY?

The next version of the Payment Card Industry Data Security Standards is scheduled for release early next year. It might be too soon to know what will change when PCI DSS Version 4.0 is released, but we can look for clues in the PCI Council's blogs and feedback reports from industry sources who have reviewed early drafts.

Goals for PCI DSS v4.0

Based on the feedback received, PCI SSC evaluates how to evolve the standard to accommodate changes in technology, risk mitigation techniques, and the threat landscape. PCI SSC is also looking to introduce greater flexibility to support organizations using a broad range of controls and methods to meet security objectives.

These are some of the high-level goals for PCI DSS v4.0:

- Ensure the standard continues to meet the security needs of the payments industry

- Add flexibility and support of additional methodologies to achieve security
- Promote security as a continuous process
- Enhance validation methods and procedures

Find out which key changes to anticipate with PCI DSS 4.0:

www.cspsecurity.com/blog/pci-dss-4-0-is-coming-are-you-ready/



XYPRO NEWS

XYPRO AND HPE PARTNER TO PROVIDE ZERO TRUST SECURITY

A recent industry phishing report showed that 4% of users are prone to click on anything sent to them. That is a scary statistic given that phishing is one of the primary methods ransomware attacks are carried out. Ransomware is extremely damaging for a business due to its relatively low cost to execute and high value rate of return. Four percent might seem like a low number, but just one user falling victim to a phishing attempt is one too many. We, as cybersecurity professionals, need to be right 100% of the time, whereas the attacker only has to be right once. With 4% of users clicking on just about anything and opening attachments, the odds are definitely stacked against us.

Another alarming consideration: 24% of data breaches are still due to a malicious insider. This could be an employee, a contractor or some other trusted entity with access to your systems and data for legitimate business purposes, but in fact is misusing the level of access. The Traditional Model – Trust But Verify. We are all used to the traditional security model where we authenticate

(continued on next page)

Introducing CSP Authenticator + ® New Cloud-Native Application for Multi-factor Authentication



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GRAVIC NEWS

HPE SHADOWBASE COMPARE AND REPAIR SOFTWARE FOR DATA VALIDATION

HPE Shadowbase Compare software validates and verifies that the source and target databases match, a critical function for business continuity environments. The comparison can be accomplished while the application is actively running. It proves data consistency to key stakeholders and helps satisfy regulatory and audit compliance requirements. Use it to compare similar datasets, such as HPE NonStop to HPE NonStop sources and targets (Enscribe-to-Enscribe or SQL-to-SQL), and works across TCP/IP or Expand connectivity. Partitioning, key structures, and even schemas can be the same or different. HPE Shadowbase Compare works with any data replication engine to validate processing. The HPE Shadowbase Repair function can correct discrepancies found in the SQL/MP or SQL/

MX tables, including fixing extra/missing data, or repairing data in both that does not match.

Stay tuned for additional future enhancements, including heterogeneous Compare, Enscribe Repair, and massive automated parallelism to improve performance.

Please enjoy our video:
vimeo.com/523995684



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ourselves to an application or perimeter device – such as a VPN – then continue on carrying out our responsibilities.

This model assumes everything inside an organization’s network is trusted, so once a user is authenticated to the VPN, they can move around to any resource to which they have access. The assumption is made that the user is who they say they are, the user’s account is not compromised and that the user will act responsibly.

According to Microsoft, 81% of data breaches occur because of weak, shared, default or stolen credentials. All it takes is one compromised account to one legacy application to cause a catastrophic breach and your company is catapulted negatively into the headlines. Privileged access was implemented to solve the problem of “shared credentials”. BUT a pandemic-forced, remote work situation exacerbates a dissolving perimeter with more cloud based workloads as well as IT sprawl, making privileged access extremely vulnerable.

For an attacker, compromising credentials is key. Once they can walk through the front door, the objective is to lay low and move laterally across the network with the purpose of finding a way to elevate privileges – meaning attempting to gain more access than they currently have.

Read the full article at <https://bit.ly/3Bq87vG>

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COMFORTE NEWS

DATA-CENTRIC PROTECTION – THE ONLY WAY...

The growing complexity of digital business ecosystems, the almost ubiquitous growth in Cloud deployment (discussions, if not yet reality), plus the increased pressure for compliance has led to new levels of awareness and a new sense of urgency in the areas of risk management & data protection.

No organisation can be blind to the risk of being hacked, compromised, or be victim to an Insider attack, with all the resultant business disruption, GDPR fines, adverse publicity and data loss. Recent examples serve only as a salutary reminder that the costs of a successful data breach can become astronomical, potentially impacting the viability of the business itself.

Organisations are investing more than ever in security, but classic protection methods; Perimeter defence, Anti-virus solutions, Access control, SIEM, Physical security and the like don't go anywhere near far enough to protect the core asset of the organisation and the target for all who hold malicious intent; the data.

By virtue of their very specific area of control, each classic protection method leaves system vulnerability gaps and success in bypassing traditional methods of security.

The HPE NonStop is but one specific area with some protection, but clear vulnerabilities are usually known to exist and are often 'brushed over' or receive 'special dispensation'.

Harnessing the 'best that there is' in Data Protection methodology and practice, comforte's data protection suite is a scalable and fault-tolerant enterprise tokenisation and encryption solution enabling successful protection of sensitive data with minimal effort and with little to no impact on existing applications.

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For more information on comforte's data-centric security platform, download the solution brief: <https://bit.ly/3BeLE4l>

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TANDSOFT NEWS

TANDSOFT'S FS COMPARE AND REPAIR

It's official. TANDsoft's FS Compare and Repair is the most rapid and reliable compare/repair product for use in the HPE NonStop environment. It reads files at the block level, regardless of block size, and can compare 10 million records in just 13 seconds. FS Compare and Repair identifies, reports, and resolves rows, records, columns and field discrepancies in Enscribe files, OSS files, and SQL/MP tables for both live and offline databases.

Now in Version 4.1, FS Compare and Repair adds support for SQL/MX. Same speed, same reliability, all the popular features and benefits of earlier versions.

Much has been made about the speed of FS Compare and Repair. What makes the product even more attractive is its superior reliability. Users are confident that their PROD and DR databases are the same throughout the update process. Once a customer assigns the appropriate replication lag time for the environment, FS Compare and Repair efficiently and accurately detects, reports, and corrects true discrepancies both in active/passive and active/active environments. It addresses false positives. Moving parts, either one-way or two-way, do not compromise the reliability of FS Compare and Repair.

FS Compare and Repair removes the complexities that so often accompany source and target synchronization. Take, for instance, a database with multiple partitions. FS Compare and Repair accurately processes multiple-partition comparisons in parallel rather than sequentially and does so in a timely manner. Learn more at: <https://bit.ly/2X8kn5G>



HPE NONSTOP NEWS

Those of you who attended TBC2020 will remember Karen Copeland announcing a couple of items in her talks; the “Showcase” program and also “HPE GreenLake for NonStop”. Over the past year these have started to deliver in terms of capability and software options available through HPE. In addition the latest NonStop X RVU, L21.06, has a number of software and Virtualized NonStop

GreenLake

HPE GreenLake: the most notable deliverable here is part of the L21.06 RVU for NonStop X. In this RVU a new GreenLake metering option was added as product ID BE019AC. Initially this is focused on the use of cores within a high-end NonStop X CPU (NS7X/NS8X/vNS) but will be enhanced as time goes on. Importantly HPE GreenLake Central, the reporting and billing tool used for consumption-based HPE GreenLake, will be enhanced to take data from NonStop’s metering tool and add this into the central interface for a customer’s GreenLake contract where reporting can be monitored and where the billing data can be seen. A 100% commit GreenLake contract is already available without requiring a NonStop metering tool license.

Showcase

The Showcase program has also been extremely active over the past few months with a number of partner products released into to the HPE price book such that licenses and support can now be contracted along with the base HPE NonStop system software directly from HPE. The new products available include:

- Xygate SecurityOne™ Suite
- Xygate Identity Connector for SailPoint
- Xygate Identity Connector for CyberArk
- Xygate CyberArk Privileged Session Manager
- Xygate Password Quality
- Xygate Object Security
- Xygate Safeguard Manager
- Xygate Access Control ServiceNow Integration
- Xygate User Authentication Application MFA plugin
- Xygate Merged Audit RSA Netwitness plugin

There are additional partner products which will be made available via HPE soon including Workload Automation and Batch processing control, Data Streaming from Enscribe/SQLMP/SQLMX, Base24 Real-time Transaction Monitoring and Reporting, File Integrity Monitoring and Card Data Discovery plus DevOps. Watch HPE’s updates and some specific breakout sessions at TBC2021 to find out more.

L21.06

This RVU has made a number of significant enhancements to middleware and Virtualized NonStop (vNS) for the NonStop X systems:

- **NonStop API Gateway 1.0** – this takes a JSON message from REST/HTTPS, transforms it and routes to the appropriate NonStop service and sends responses back to the client. The reverse is true when working in Proxy mode. The routing capability allows NonStop service application versioning to be supported and TLS 1.2 is supported on HTTPS interfaces for security.
- **NonStop Manageability Framework (NSMF) 1.1** brings the concepts of modern DevOps methodologies to automate and manage deployment, configuration and update of products that are supplied by HPE for the NonStop platform. NSMF 1.1 leverages the IT automation framework Red Hat Ansible and supports atomic operations & workflow management for two subsystems of the NonStop TS/MP product, namely the PDMI (Pathway Domain Management Interface) and the ACS (Application Cluster Services) subsystems using NSMPT (NonStop Manageability Plug-ins for TS/MP).
- **NonStop Fault Tolerant Interface 1.0 (NSFTI)** – NSFTI helps in creating OSS applications that can readily run as a NonStop Process-Pair (NSPP). The library implements the core functions required to create and manage a process-pair thus allowing the application developers to focus more on the business logic and use cases. The library does all the work to interface with the Operating System to bring-up a backup process when the primary initializes, replicate the data between the pair of processes, initiate a take-over by the backup when the primary fails and executes other pertinent functions.
- **Ported binaries on HPE NonStop Servers Java SE 11 Update 1** – This release brings new and very useful functionalities including Java Flight Recorder (A powerful profiling tool that collects data about both the Java Virtual Machine [JVM] as well as your business application), Native Memory Tracking (allows you to track the internal memory usage by the Java Hotspot Virtual Machine), Garbage First Garbage Collection (NSJ 11 U1 brings the G1 GC algorithm) and Perf.attach (the data obtained by the monitoring process can be used to optimize the target process’ performance).
- **iTP Secure Webserver 7.6** – now able to generate Certificate Signing Request (CSR) with Subject Alternative Names (SAN) and Intel AES-NI instructions are leveraged to improve encryption/decryption performance.
- **TS/MP 2.8** – ALTER_DOMAIN command has been enhanced



Hewlett Packard Enterprise

with a new option CASCADE_DELAY. This helps avoid queuing of incoming client requests when a set of Pathmons in a Pathway domain are frozen and restarted.

- **NonStop HTTP Server 2.4 Update 1** – Pathway CGI applications can now be readily migrated from iTP (Secure) WebServer to NSHTTP Server without any change. Sticky sessions within NSJSP so all requests from a specific web client are routed by the web server to one and the same NSJSP web container instance in which that business application is deployed. WEBSOCKET Protocol enables two-way communications between a client and a server (this ability of a server to unilaterally send messages towards the client has many uses in the online world such as in games, multiuser applications, stock tickers etc.) CLIENT-CERT Authentication means Web client certificates can now be passed on to the NSJSP container thus enabling certificate authentication and client authorization by the business application deployed as a servlet in the NSJSP.

- **Virtualized NonStop (vNS) Enhancements** – Virtualized NonStop Readiness Tool walks through target VMware datacentre and checks for correctness of configurable resources. The GUI plugin for vCentre and VRO workflows can automatically select resources in the

datacentre to host VMs and services needed by a vNS system during deployment. Mellanox ConnectX-6 NICs are supported for fabrics. Entry class vNS systems can now support a 2-core CPU configuration.

VTC and VRT Backup Solution Update

HPE has announced the NonStop VTR R4 that runs the NonStop VTR software and Microsoft® Windows® Server 2019 operating system. It comes with a 16TB of usable storage.

HPE NonStop BackBox Virtual Tape Controller (VTC) R4 is now available for HPE NonStop systems running the NonStop L- and J-series operating systems. This new model of BackBox VTC runs the HPE NonStop BackBox software and Microsoft® Windows® Server 2019 operating system. HPE is also introducing a new data deduplication option for NonStop BackBox VTCs. The NonStop BackBox VTC R4 will support the QoreStor™ option from ETI-NET. This product provides all-in-one pricing that includes data deduplication, replication, encryption, and cloud tiering storage capabilities. With QoreStor™ NonStop servers can reduce storage requirements and costs while increasing security and availability.

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