



It is with great pleasure your BITUG Committee can confirm the first face-to-face SIG since December 2019
Please mark your diaries for Thursday 9th June 2022



CHAIRMAN'S ADDRESS

Welcome to the Spring 2022 BITUG Newsletter

As your new Chairman of BITUG, I would like to thank all those who have sent their messages of support and congratulations. Thanks too to the outgoing Chairman, Paul Brown of Lloyds Bank for his excellent leadership, during what was, I'm sure we can all agree, a very difficult year.

On behalf of our Committee, I also thank you for the many comments, almost unanimously positive, about the format of the virtual meetings which we held in December, splitting them over three afternoons, instead of being held on a single day.

As we look forward further into 2022, we are optimistic about the taming of the COVID pandemic and we hope for a return to 'normal' life. Nothing is assured though and if we have learnt one thing only about COVID, then it is simply that, the future cannot be confidently predicted.

That said, we will manage events going forward as best we can, whether Virtual or Live, or a combination of the two and in whatever formats make

sense, to deliver the highest possible value and maximum participation.

Already we have planned a face-to-face BIG SIG in June and Little SIG in December. Please keep an eye on your email inbox and/or our website for further programme announcements. Thanks once again for your strong support and welcome your lively feedback.

As always, we would really welcome any volunteers to join us on the Committee, it isn't too onerous! It can be quite enjoyable and does deliver a very valuable function in keeping our HPE NonStop User community together, not just in the 'British Isles' (the BI of BITUG), but also across EMEA.

Please email me at j.bycroft@comforte.com for details on how you can become a part of this BITUG Committee pageant!
With best wishes,

John Bycroft
comforte
BITUG Chair 2022
Email: j.bycroft@comforte.com

NONSTOP DIARY DATES

BITUG Big SIG Beer Bust

8th June 2022, 6pm

www.bitug.com

Liberty Bounds, London

BITUG Big SIG

9th June 2022

www.bitug.com

Trinity House, London

BITUG Little SIG

8th December 2022

www.bitug.com

Barclays Bank, Canary Wharf

Connect NonStop

Technical Boot Camp

8-10th November 2022

www.nonstoptbc.com

Hyatt Regency SFO

Burlingame, California

COMFORTE NEWS

COMFORTE'S DATA PROTECTION PLATFORM ATTRACTS UK COMPANIES

Two major UK organisations, both listed in the FTSE100 index, have adopted a data-centric security approach to protecting their mission-critical data by selecting comferte's data protection platform. One company is a large high street bank, and the other organisation is a crucial service provider in the telco/logistics space.

The bank's key driver was protecting data in transit and at rest, as their ATM and POS authorisation systems contained cardholder PANs (Primary Account Numbers) 'in the clear'. The PAN data will now be tokenised using comferte's SecurDPS tokenisation solution and will no longer be vulnerable to attack from malicious Insiders or determined external attackers.

The Telco's driving force in the project was also protecting sensitive data in transit and at rest. Their systems connect several hundred users with the UK's tax authorities enabling Customs entries and clearance. The system is of national importance to the UK, its trade and the integrity of taxation and Customs activity.

SecurDPS will significantly enhance the security and integrity of the system against

external attacks or illegitimate use, whether internal or external.

For both clients, the ability to apply a data-centric approach to the potential vulnerabilities, permitting end-to-end data security, i.e. protecting data at rest, in motion and use, was paramount in their decision.

Learn more about comferte's data security platform.



4TECH SOFTWARE IS HIRING!

EXPERIENCED HPE NONSTOP DEVELOPER REQUIRED FOR GROWING SOFTWARE DEVELOPMENT COMPANY

Job Role:

- Programming software products for the HPE NonStop market as per specs provided
- Participating in application architecture design and review
- Producing automated test tools and assisting in testing of products
- Providing second level support for customers and HPE support personnel as required
- Potential for onsite customer implementation work
- Some on-call support

Conditions:

- Permanent part time position (20-25 hours per week)
- Remote working with periodic meetings with other team members over web conference
- Highly flexible working hours to fit in with your home life
- We're flexible on working/employment terms
- Would ideally be UK (or Europe) based, but once again, we're flexible
- Possibility for international travel
- Competitive pay

For further details including required skills and experience please visit the 4tech Software website at:

www.4tech.software/hire



HPE NonStop services tailored to your business

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

No smoke, no mirrors, no snake oil. Just HPE NonStop services to suit you.

For more information email info@brightstrand.com

HPE NonStop Migration Partner



www.brightstrand.com



NTI NEWS

HAS THE TIME COME TO “CLUSTER CLOUDS” FOR EVEN GREATER LEVELS OF AVAILABILITY?

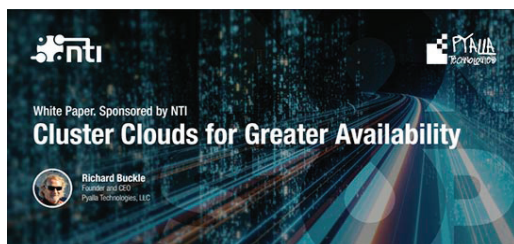
This customer success story highlights how Red Link’s NonStop team have integrated their HPE NonStop applications using NuWave LightWave solutions. The many use cases throughout the Red Link enterprise offer a template for other NonStop customers interested in getting more out of their investment in the platform.

When NonStop announced support of the Intel x86 architecture it began a journey that continues unabated to this day. It signaled a major sea change as the NonStop team embraced NonStop as software. What followed was NonStop foregoing running solely on traditional systems and setting its sights on supporting virtual machines.

“With the option to run on virtual machines NonStop, as software, has the ability to run within clouds bringing the cloud experience to NonStop even as HPE can count on NonStop participation within the edge to cloud platform as a service,” said Tim Dunne, NTI Global Director Worldwide Sales.

And yet, there is the possibility of one more transformation that will propel NonStop software even deeper into the world of cloud services. It is this further extension of the NonStop journey that may surprise many but it cannot be ruled out entirely. It is this future for NonStop that is the subject of the latest white paper by Pyalla Technologies that is being hosted by the NTI team and can be downloaded as a PDF using this link:

<https://network-tech.com/whitepapers>



Has the time come to “Cluster Clouds” for even greater levels of Availability?

Introduction:

Pyalla Technologies, LLC, was founded by Margo Helen and Richard Buckle amidst the turbulence of the 2008 – 2009 Global Financial Crisis. The company’s focus has always been on NonStop and through the posts and commentaries it has brought into focus many of the issues of the day. To support Margo and Richard have seen it all and been participating in almost everything that has happened would do them a disservice. For much of their business life, Margo and Richard have not just been there as members of the NonStop community but have consistently volunteered in support of the NonStop community.

The HPE NonStop system of today has journeyed far from when it was first rolled onto the data center dock at Citibank in May 1978. Even as NonStop will shortly celebrate its fiftieth birthday that journey has seen a transformation that many in the IT industry failed to predict. Breaking free from its proprietary past to first embrace blade infrastructures to where today it lies on the Intel x86 architecture, NonStop continues to demonstrate its relevance as an open and modern system. However this was only the beginning of the journey as NonStop has long since moved from traditional systems with its move onto virtual machines. Nowhere has this generated more excitement than in those enterprise data centers where today NonStop has completed its transformation and become a pure software play.

And the journey continues unabated. With the option to run on virtual machines, NonStop as software has the ability to run within clouds bringing the cloud experience to NonStop even as HPE can count on NonStop participation within the edge to cloud platform as a service. However, there is the possibility of yet one more transformation that will involve the NonStop community. The very foundation of NonStop as it made unrelatable hardware fault tolerant and brought robust configurations across virtual machines possible lies in its potential to bring a degree of robustness across offshoot cloud offerings clustering clouds as NonStop has always done with processes, systems and machines.

For NTI the proposition that more is yet to come as NonStop continues its journey hasn’t gone unnoticed. Already the integration of NonStop with external apps running in clouds is ongoing. However, what is recognized by NTI is how a fault tolerant NonStop system can be adversely affected should apps running in clouds become unavailable to NonStop. Just as networking has always been part of the NonStop proposition it is no exaggeration to view the clouds of today becoming part of the bigger NonStop. This white paper explores a number of options even as the approach it endorses is one of incremental change through following baby steps. It’s clear to NTI that the cloud can no longer be considered a resource apart from NonStop but rather as an integral part that makes support of mission critical applications possible.

Tim Dunne
Global Director Worldwide Sales
NTI



comfrote

SecurDPS

The end-to-end data protection platform

Data Discovery and Classification

Data-centric Protection

Cloud Integration

Learn More



CSP NEWS

HOW TO DEVELOP A ZERO-TRUST MODEL TO SECURE CLOUD-NATIVE APPLICATIONS

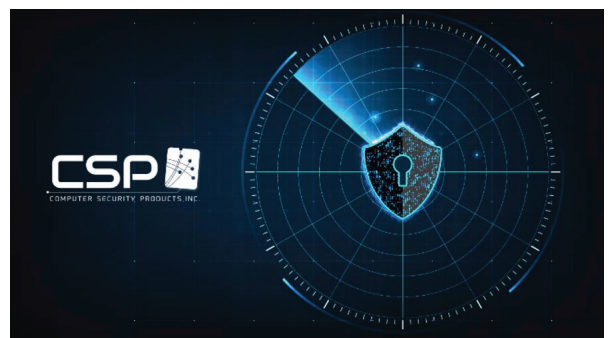
With organizations embracing remote work due to the COVID-19 pandemic, the need to secure data and systems has become more critical than ever before.

Organizations are also rapidly embracing cloud-native applications to modernize their business operations and improve delivery times. This approach to application development and deployment takes full advantage of the cloud computing environment, which uses technologies like microservices, containers, automated CI/CD pipelines, container orchestration, and cloud infrastructure to leverage the runtime and services provided by the cloud platform. A cloud-native development strategy leads to resilient, agile, and scalable solutions. Enterprises use container technologies, like Docker, to simplify the packaging

and deployment of their cloud-native applications. Kubernetes is a popular container orchestration system for automating containerized application deployment, scaling, and management.

However, modern-day cloud services face security risks like data breaches, application vulnerabilities, account hijacking, and insufficient credential management. To protect against these threats, organizations must adopt a zero-trust model for their data and services and embrace the DevSecOps movement to integrate security practices throughout their software development lifecycle.

A zero-trust security model can



improve an organization's overall security position, especially when dealing with mobile workforces or hybrid workspace environments.

Learn how to develop a zero-trust-based architecture for your organization:

<https://bit.ly/37pJC8V>

CSP Authenticator+ ® Cloud-Native Application for Multi-Factor Authentication



NONSTOP SECURITY WIKI

COMPLIMENTARY
ACCESS TO
THE CSP WIKI
FOR NONSTOP
SECURITY

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

wiki.cspsecurity.com



BITUG BIG SIG 2022

BITUG WELCOMES BACK ITS MEMBERS TO BIG SIG 2022!

It is with great pleasure your BITUG Committee can confirm the first face-to-face SIG since December 2019. Please put a place marker in your diaries because the BIG SIG will be held on Thursday 9th June 2022 at Trinity House London; a well-loved venue for our community.

The people we have spoken to so far are excited to be able to meet peers, vendors and HPE as well as sharing experiences and socialising within the

community.




Registration will occur from 08:30 until 09:00 when the conference starts in earnest. As usual it will be free to enter. We have multi-track breakout sessions covering HPE updates,

Business Continuity, Application APIs and DevOps, Systems Management, Security and much more as well as user presentations.

Coffees and luncheon will be provided around the Expo floor and the prize draw

will return between 16:15 and 16:30 after which the event is due to close. For those who can make it there will be a "beerbust" at Liberty Bounds close to Trinity House the evening of Wednesday the 8th June starting around 18:00.

Check out the events section of www.bitug.com for the latest agenda details and register your intent to attend via the link provided. Let's make 2022 a year to celebrate as a BITUG member.

		Trinity House Trinity Square, London EC3N 4DH							
www.bitug.com		<i>"BEER BUST" - Liberty Bounds Pub, 15 Trinity Square (next door to Trinity House) - kindly sponsored by Connect, CSP & NTI</i>							
Wednesday June 8th		Track #1 Court Room (80)		Track #2 Pepys Room (45)		Track #3 Luncheon Room (30)			
18:00	03:00	21:00							
08:30 00:20 08:50		Registration and Coffee (Library)							
08:50 00:10 09:00		Chair's Welcome (Court Room)							
09:00 00:40 09:40		Neil Davis HPE (TBC) State of the Nation							
09:40 00:40 10:20		XYPRO Zero-Trust Security with HPE and XYPRO: Reduce the Cost of Security and Compliance by 80%							
10:20 00:35 10:55		ETI-NET Title: TBC	Comforte "Zero Trust and Data Centric Security" - The comforte way		Customer Talk Shadowbase Migration for a Central Bank				
10:55 00:15 11:10		Coffee & Networking - kindly sponsored by CSP (Library & Exhibition Area)							
11:10 00:50 12:00		HPE TBC HPE Update including hardware and software offerings							
12:00 00:35 12:35		Gravic HPE Shadowbase Product News	Nexbridge Integrating NonStop into DevOps and Git		Customer Talk API Gateway at NETS				
12:35 00:50 13:25		Lunch - kindly sponsored by NTI (Library & Exhibition Area)							
13:25 00:40 14:05		HPE & Xypro Getting the most out of your Security Bundle							
14:05 00:40 14:45		NTI Tearing down data silos with DRNet®/Unified for HPE Customers							
14:45 00:15 15:00		Coffee & Networking - kindly sponsored by Comforte (Library and Exhibition Area)							
15:00 00:40 15:40		TCM Reaching New Horizons with NonStop: TCM InSight and SimSwap Fraud Protection – Brand New Services on NonStop							
15:40 00:35 16:15		NuWave API Update	CSP Security Update		IR Prognosis and Management Solutions				
16:15 00:35 16:50		Omnipayments Accelerating customer payment implementations	IBM TBC MQ update		Tandsoft Database Compare, Load and Migration solutions				
16:50 00:10 17:00		Roundup and Prize giving BITUG Committee							



GRAVIC NEWS

HPE SHADOWBASE RELEASE

Shadowbase for Other Servers Version 6.700 – Released in January, 2022. For more detailed information, please visit: www.ShadowbaseSoftware.com/Publications/Other-Servers-6700/.

New HPE NonStop Shadowbase Version 6.700 – In-plan for later this year:

- SQL/MX sequence object replication (internal and external)
- PostgreSQL target support, including translations for Enscribe and SQL/MP sources
- New Shadowbase Compare and Repair features
 - Blistering fast bulk read and compare extensions (especially useful for entry-sequenced files and tables)
 - Automated parallelism
- New Shadowbase Essentials bundle features
 - SBMAP – Simplified data transformation without user exits (SQL/MP source available now, adding Enscribe as a source)
 - DCR – DDL Command Replication (SQL/MP available now, Enscribe and SQL/MX in-plan for future release)

Please attend our presentation at the BITUG BIG SIG in London in June to learn more about these exciting new releases!

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

www.ShadowbaseSoftware.com

TIC NEWS

KAFKA AND HPE NONSTOP - A PERFECT COMBO!

One of the best ways to modernize NonStop is to integrate its applications with other software, platforms and cloud services. This interoperability is extremely important as it will extend the value of the NonStop applications and underscore the flexibility of the platform in the enterprise. Over the past few years, one of the most popular tools that have been adopted by many corporations is Apache Kafka. Integration with Kafka will open NonStop to interoperate with many different platforms and applications.

The purpose of this article is to provide an overview of Kafka's architecture and benefits, and to show how uLinga for Kafka from Infrasoft can enable NonStop applications to interoperate with the Kafka ecosystem.

Read more here: <https://bit.ly/3EtUEpD>



How can we help?

Whatever your goal, from the trivial to the transformational, TCM is here.

We are dedicated to the NonStop platform, ready and willing to assist with all of your NonStop needs.



Systems Management | System and Application Migrations | Succession Planning | System Check-ups | And more...

Get In Touch Today: www.tcm.co.uk - nonstop@tcm.co.uk - +44(0)1592 778801 - The NonStop Experts



**Hewlett Packard
Enterprise**

HPE NONSTOP NEWS

HPE need to announce some sad news. On Wednesday 3rd March 2022, Karen Copeland sadly passed away unexpectedly. For those of you who have attended TBC you will know that as well as being head of Product Management within HPE's NonStop Enterprise Division Karen was a strong advocate for both the customer and partner community. Karen's contribution to the organisation and content of the NonStop Technical Boot Camp alongside Connect was immense as well as the Showcase initiative to bring more software via HPE NonStop; she will be sadly missed.

NonStop Consoles

HPE is pleased to announce the availability in desktop and rackmount form of new NonStop Consoles based upon Windows Server 2019. These will be standard offerings on all new systems built in the factory.

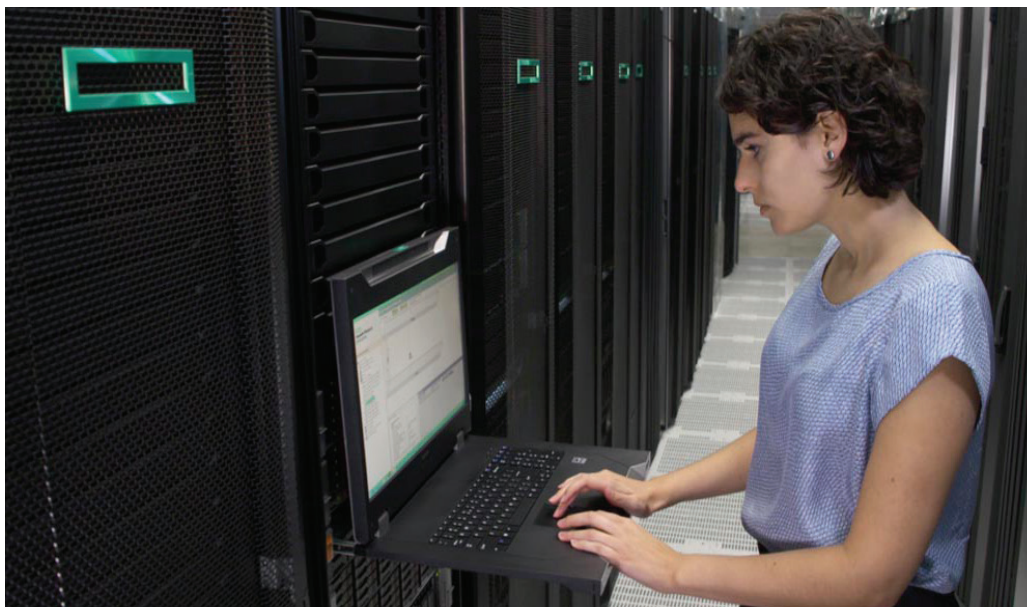
SNMPv3 Agent

HPE is pleased to announce the availability of a standalone SNMPv3 agent (BE029AC or QSNMPV3). This product provides the SNMPv3 capabilities to monitor NonStop servers. It transforms NonStop EMS events into SNMPv3 traps and delivers them in real time to Enterprise Manageability Tools on an encrypted and authenticated channel, to ensure seamless monitoring of the NonStop server.



PANFinder and Integrity Directive

HPE is pleased to announce the availability of PANFinder (BE266AC) and Integrity Directive (BE267AC). PANfinder is a comprehensive payment card Primary Account Number (PAN) data discovery solution. It searches HPE NonStop systems for the existence of sensitive data, such as payment card numbers and full-track data on target systems. Integrity Detective is a File Integrity Monitoring solution (FIM) used to perform real-time and 24x7 monitoring of files, objects, and subsystem configurations on a HPE NonStop system. Real-time File integrity monitoring helps to detect malicious or inadvertent changes to resources in a system and thereby acts as an effective mechanism to defend NonStop systems against malicious actors.



NUWAVE NEWS

CUSTOMER SUCCESS STORY - HOW REDLINK IS USING LIGHTWAVE SOLUTIONS TO INTEGRATE AND MODERNIZE

This customer success story highlights how Red Link's NonStop team have integrated their HPE NonStop applications using NuWave LightWave solutions. The many use cases throughout the Red Link enterprise offer a template for other NonStop customers interested in getting more out of their investment in the platform.

Using the NuWave products allows Red Link's NonStop team to seamlessly integrate their API ecosystem with their NonStop systems and BASE24 solutions. Now, with the REST services hosted on NonStop or an open platform, they can use LightWave Server™ and LightWave Client™, respectively, to provide or access information. This allows Red Link to develop integrations in an incredibly short time when compared with the development of other interfaces that Red Link used prior to acquiring the NuWave products, such as ISO8583.

In addition, the HPE NonStop can now be seen by Red Link's upper management as a platform with open interfaces that can easily integrate with the rest of the applications in their enterprise. There is also a bonus. they provide or consume those REST services on a fault-tolerant and massively scalable platform.

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

**Hewlett Packard
Enterprise**

HPE NONSTOP NEWS

NSDEE 11.0

HPE is pleased to announce the General Availability of HPE NonStop Development Environment for Eclipse 11.0. NSDEE is a PC-based integrated development environment (IDE) for NonStop developers. NSDEE provides NonStop platform-specific enhancements to Eclipse while preserving the usability and extensibility of the Eclipse IDE. NSDEE 11.0 is a plug-in to Eclipse 2021-06 (4.20.0) and is shipped with C/C++ Development Tooling 10.3 (CDT 10.3) and Xtext 2.25.0.

NonStop NSGit 1.7

HPE is pleased to announce the General Availability of HPE NonStop NSGit SW for all NonStop X and NonStop i systems. NSGit is a Guardian-native application, a Distributed Version Control System, that provides front-end and translation services enabling the widely deployed git distributed version control system to be used in NonStop Guardian environments directly from TACL. NSGit integrates Guardian development into enterprise git servers like BitBucket, GitHub, GitLab and AzureGit, and into SSH-based build systems including Jenkins. The NSGit ECLIPSE plugin is also included to enable a Guardian view of user applications from within ECLIPSE Neon (2016-06) to 2020-09 – compatible with NSDEE 10 and its dependencies.



HPE NonStop LightWave Client and LightWave Server

HPE is pleased to announce the General Availability of HPE NonStop LightWave Client and HPE NonStop LightWave Server for all NonStop X and NonStop i systems. LightWave Client & LightWave Server help connect applications deployed on HPE NonStop to solutions deployed on other systems & platforms across networks using the industry standard RESTful interface. Customers' proven, mission critical applications are easily available

to the outside world with no modifications to the applications themselves.

Both the LightWave products adapt the external RESTful interface and the JSON formatted data to NonStop specific inter-process communications and DDL data objects for the NonStop applications/services to consume.

NonStop MQGate

HPE is pleased to announce the availability of MQGate for NonStop servers. MQGate takes IBM MQ event information and makes it easy to view, monitor, and manage individual issues, keeping you on top of everything that's happening in your HPE NonStop environment.



NonStop Striim

HPE is pleased to announce the availability of NonStop Striim for all NonStop X and NonStop i servers. Based upon Striim 4.0 the product offers data collection, stream processing, pipeline collection and realtime delivery across heterogeneous platforms. Streaming analytics, statistical processing, predictive and advanced analytics using in-memory processing are provided. With over 100 built-in adapters data in real time from databases, log files, messaging systems and sensors can be delivered to self-hosted or cloud platforms.

NonStop X L21.11.01 RVU

HPE is pleased to announce the general availability of L21.11.01 RVU for select systems including HPE x86 based NonStop systems, HPE Virtualized NonStop systems and HPE Virtualized Converged NonStop systems. NonStop API Gateway 1,1 and SQL/MX 3.8 are included with this RVU as well as tooling enhancement for deployment and management of Virtualised NonStop. NSC Installer Update 39, OSM console enhancements, SSH EdDSA algorithms and new Safeguard features are just some of the capability delivered with L21.11.01



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