GTUG's European NonStop Hotspot is being held in Berlin this year. The date has been moved forward and is now planned for 7-9th September

CHAIRMAN'S CHAT
Welcome to the Spring 2020 BITUG Newsletter

Hi Everyone. First off I'd like to thank Collin for his first stint as BITUG Chairman last year, the highlight of which was his substantial contribution to organising the memorable 2019 BITUG European event held in Edinburgh. I've enjoyed several stints as the BITUG Chair over the years and when I took over the reigns in January, I had high hopes for 2020, with BITUG and GTUG planning big events in the first half of the year. However, Covid-19 has certainly put a stop to that, with most countries around the globe now in lockdown. So my final Chairman year looks like it could be a fairly quiet one.

On the subject of 2020 events, GTUG's European NonStop Hotspot has been moved forward to 7-9 September, when they hope life will have returned closer to normal. BITUG has come to the decision that we have to cancel this year's Big SIG event which we were going to hold on the 17th June. We still plan to do our Little SIG in December. This will be held at the Lloyds Banking Group offices near Liverpool Street Station in London. When we have determined the exact date it will be published on our website: www.bitug.com. Connect is exploring different options for its November Boot Camp, including enabling online participation for those who can't attend in person.

Next year's BITUG European Event is still in early planning stages. As with 2017, we are looking for a location in Central London. With the current lockdown in place, we are unable to sort out final venue as all of these are currently closed. When the restrictions are lifted we should be able to give you more information. Hopefully see you all in December, and keep yourselves safe and well in the meantime.

Neil Barnes
Lloyds Banking Group
BITUG Chair 2020
Email: chair @ bitug.com

NONSTOP DIARY DATES

BITUG Big SIG 2020
Cancelled

GTUG European NonStop HotSpot
7-9th September 2020
Radisson Blu Hotel,
Berlin, Germany

Connect NonStop Technical Boot Camp
15-18th Nov 2020
San Francisco, USA

GRAVIC NEWS

GRAVIC AND SHADOWBASE SUPPORT IS AVAILABLE DURING THE PANDEMIC

We are concerned for all of our friends in the HPE and Connect communities and pray that they remain safe through this unprecedented and dangerous situation! For the duration of the COVID-19 Pandemic, Gravic and its Shadowbase Products Group are open and operating with remote support and access. To reach Shadowbase Support, please use your normal Support contact information or use: https://www.shadowbasesoftware.com/support/request/.

Gravic Announces New HPE Shadowbase Releases
 • Improved non-audited NonStop data replication capability
 • Enhanced HPE Shadowbase Compare/Repair solution
 • SQL/MP SQLCI DDL Command Replication utility
 • Features that simplify migration to HPE Shadowbase software

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: https://www.shadowbasesoftware.com/.

For additional information, please view our Shadowbase solution videos: https://vimeo.com/shadowbasesoftware.

XYPRO NEWS

A JOURNEY THROUGH SECURE SQL MANAGEMENT – CUSTOMER USE CASES

Data is the lifeblood of mission-critical applications, and HPE NonStop customers rely on the powerful capabilities of NonStop SQL to store, analyze and manage that data. NonStop customers need to ensure their SQL databases are well-organized, use efficient queries, and run at peak-performance.

To do that, database managers need powerful management tools and highly-privileged access rights. However, providing privileged access poses serious risks. With privileged access comes increased risk of threats from malicious insiders (one of the most difficult to detect and resolve security threats), catastrophic user error and compromised credentials.

SECURE NONSTOP SQL DATABASE MANAGEMENT

SQLXPress from XYPRO is the most functional graphical database management solution for NonStop SQL coupled with strong security protections.

SQLXPress includes a comprehensive set of controls including including: Multi-factor

Authentication, Auditing, Access Control, Session Encryption, Code Integrity, SQL Injection Protection

Multi-factor Authentication
The SQLXPress client logon dialogue supports PCI DSS 3.2 multi-factor authentication (MFA) requirements by prompting the user for a second factor. Used in conjunction with XYGATE User Authentication (XUA), which is already present on your HPE NonStop server, means you're up-to-date not only with the very latest in PCI 3.2 MFA compliance requirements but also with the advice of every security expert out there. Multi-factor authentication is a requirement for secure systems.
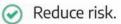
Auditing
The SQLXPress Security Administrator configures the level of audit data that is collected by the audit subsystem.

The audit subsystem records the actions of SQLXPress users in an audit trail and contains detailed information on each user action, including: date and time, user logon name, PC device identification, SQL statement text, SQL parameter values, outcome details, and much more.

Audit trail data is extracted to an SQL database for reporting purposes. A rich set of audit reports is available, from activity summary reports down to individual actions. To read the full article go to: https://bit.ly/3eBXdJ2

INSIDER & NUWAVE PARTNERSHIP

MISSION CRITICAL PRODUCTS ARE MODERNIZED FOR THE NONSTOP

Insider Technologies recently announced a formal partnership with NuWave Technologies, further extending the capabilities its HPE NonStop products. NuWave's LightWave ServerTM allows Insider Technologies to enhance the visual experience of its Reflex monitoring tool, providing real time insights into NonStop performance and health. Status alerts, critical alerts, and access to historical data are accessed directly from the Reflex dashboard.

"We are thrilled to announce our partnership with NuWave, a NonStop middleware specialist that enables us to complement our monitoring platforms", says Karl Todd, Product Owner at Insider Technologies. "Our clients are amongst the most demanding in the world. It's important that we are constantly innovating to bring the best in class experience that they have come to expect from our mission-critical tools."

An improved GUI enables Reflex users to select views of physical and virtual disks; busy processes and bad processes. From each item, users can drill down further to obtain metrics and any associated alerts relating to their NonStop environment and applications, providing operational teams with early warning of business process vulnerabilities.

Andrew Price, Director of Sales and Business Operations at NuWave, said "This partnership underlines the value of our modernization tools. Not only are we able to demonstrate the power of LightWave ServerTM by combining it with an established mission-critical product like Reflex, but Insider Technologies will also benefit from exposure to new markets where NuWave has an established presence."

Reflex is a dynamic operations and service management product for the HPE NonStop arena. Advanced architecture provides object based, state table monitoring of systems, networks, hardware, subsystems, processes, files, applications, events, and 3rd party applications. Reflex's unique design lies in its ability to pull together a massive amount of active monitoring into a single set of screen objects, providing the means to diagnose a problem object in more detail via context sensitive drill-down.

LightWave ServerTM is a REST-based middleware solution that allows HPE NonStop applications to be exposed as REST Web services. Those services can then be accessed by partners, customers, or other parts of the user's business to provide increased functionality and performance of the NonStop server by securely allowing direct access. LightWave ServerTM is also commonly used to connect a NonStop application to a graphical user interface (GUI), as in this instance.

About Insider Technologies: For nearly 30 years, Insider's solutions have been at the heart of their clients' infrastructures. From the UK's Central Bank to the most secure intelligence agencies, Insider Technologies is a worldwide leader in big data monitoring and management. www.insidertech.co.uk

About NuWave Technologies: Over the past two decades, NuWave has built industry-leading client-server middleware for the HPE NonStop server client base. NuWave's original SOAP-based products were groundbreaking for their time, and now NuWave's REST-based solutions provide additional modernization capabilities for NonStop customers. www.nuwavetech.com

CSP NEWS

FILE INTEGRITY MONITORING; AN ESSENTIAL COMPLIANCE TOOL

File Integrity Monitoring is an important requirement of the PCI Data Security Standard for securing confidential (e.g., cardholder) information, and is considered a crucial part of protecting business assets.

NonStop systems are now being used in far more dynamic situations and have more external connections than ever before. The ubiquity of payment cards for personal electronic transactions has changed the security equation in a fundamental way.

Any compromise in security is likely to have far reaching consequences, both in terms of financial loss, and for the wider damage to an organization's reputation. Protecting personal cardholder information is paramount.

In this context, File Integrity Monitoring should be considered an important security necessity, not just for PCI compliance, but in order to preserve the integrity of all NonStop systems.

Verify Elite®: The Complete Solution for File Integrity Monitoring & Compliance
Verify Elite is a complete NonStop compliance and file integrity monitoring solution from CSP, which continuously ensures that your NonStop System's security meets industry standards and regulations, including PCI DSS, SOX and GDPR.

By performing regularly scheduled compliance checks, Verify Elite's Security Compliance Monitor can ensure your compliance with both regulations and internal security policies.

And by executing regularly scheduled file integrity checks, Verify Elite's File Integrity Monitor can quickly detect if any unauthorized changes occur to selected groups of files.

Read the full news article at:
www.bitug.com/s/CSP-VE.pdf

NTI NEWS

A VISION OF ENSURING YOUR NONSTOP DATA IS TURNED INTO ACTIONABLE INFORMATION

PROVisioning: Excellence in Data represents an umbrella overreaching NTI's programs; from data replication, to integration, distribution and transformation. The NonStop systems we deploy today create the data highly valued to organizations looking to derive actionable insights from a rapidly changing business environment. It has been proven that such actionable insights can be most useful when data created in real time on NonStop is accessible to products performing analytics, AI and even Deep Learning. Together NonStop with DRNet® make this a reality today.

Data Replication will continue to be the flagship product of NTI, but already there are signs that Data Integration will gain ground in 2020. It was almost a year ago that NTI revealed a new solution called DRNet® /Vision. The idea behind DRNet® / Vision was to capitalize on data replication, based on Change Data Capture (CDC), and giving users the option to replicate NonStop data and metadata out of NonStop and into Splunk using an intermediary database. This was just the starting point for PROVisioning: Excellence in Data. NTI has now enhanced DRNet® /Vision to use JSON as the light-weight interface and in so doing, opened access to a multitude of data consumers - such as Hadoop, Kafka, ELK and others. This was the focus of the article NTI – delivering programs that bring new DRNet® solutions to market in 2020! published in the February 2020 issue of NonStop Insider.

Read the full article here: https://bit.ly/2VNlByK

CRYSTAL POINT NEWS

CRYSTAL POINT BEGAN IN A HOT TUB

Every company has an origin story. For Crystal Point, the marriage of a hot tub and good champagne birthed a specialist in HPE NonStop terminal emulation. From a 1980s home-grown business with host-connectivity expertise on numerous mainframe computers and networks, Crystal Point today focuses exclusively on the NonStop platform. Read about the founders, their challenges, their products, and the infamous hot tub incident.

Every company has an origin story, and company names aren't always created from the obvious. Steve Jobs branded his company Apple Computer after he returned home from working in an apple orchard. Jeff Bezos wanted his tiny business to grow as big as the Amazon River, the largest in the world. Google was supposed to be named Googol, a math term for ten to the one-hundredth power. But when the name was misspelled as Google during a domain name search, the decision was made to register the mistake.

Then there is Crystal Point...

Read the full article via the BITUG website at: www.bitug.com/s/CrystalPointHotTub.pdf

HPE NONSTOP NEWS

The COVID-19 worldwide pandemic has made people realise how inter-related we all are and how having a community to care for us helps us go about our daily lives. Social distancing and lockdowns have restricted everybody's movement and made the ability to reach out using collaboration techniques an essential part of business and personal life.

Technology underpins most of society these days and therefore having technology you can trust, that behaves like a "dial tone", if not a necessity, then takes huge amounts of stress off IT departments and businesses allowing them to sleep a little more easily.

Over the years NonStop has built a trusting, caring and sharing community between customers, third party vendors and the NonStop Enterprise Division. The technology sits unobtrusively in the background delivering a fault tolerant service 24x7. NonStop is a true ecosystem that has been established which is far greater than the sum of the individual parts. For many geographies and companies then NonStop forms a key part of their critical infrastructure for payments and business and the people who manage and run the systems and applications are just as important. Regional User Groups are the way the NonStop Community gets together, share experiences and ideas and

hear about future plans for the technology. We are all proud to be part of the NonStop ecosystem and community and look forward to being able to hold RUGs again.

At the last major RUG, Technical Boot Camp 2019, HPE identified a number of strands to the NonStop strategy which we can expect to influence developments going forward:

1) That there will be a continued focus on the hardware and software fundamentals of Fault Tolerance, Security, Sacalbility and Quality. This will underpin everything for development.

2) That more customers were purchasing NonStop X systems than NonStop i and that the NonStop X family of systems is where investment is being made for the future.

3) That making it easier to adopt and deploy virtualised NonStop with tools, new deployment models and ways to consume NonStop was a key focus.

4) That consolidating data using the fault tolerant NonStop SQL/MX database is a key offering for Hybrid IT

5) Refreshed education curriculum based upon NonStop X

6) Finally that investing in making NonStop as a Service follows the HPE strategy for consumption-based "everything as a service" model which is a key edge to cloud strategy.