BITUG

NonStop News

HP launch the NB54000c Integrity NonStop BladeSystem

On 14th February 2011 HP launched an additional member of the highly popular Integrity NonStop BladeSystem servers using the NonStop Multi-core Architecture. The NB54000c is a premium end server using 4-way Itanium 9300 series (Tukwila) processors. The NB54000c, like the 2-way NS2000 and NB50000c systems, uses the J series NonStop Mission Critical Edition Operating System and requires a minimum RVU of J06.11.

The NB54000c is based upon the C7000 BladeSystem enclosure and uses the BL860c i2 Integrity Blade. It supports 16, 32 and 48 GB memory per CPU at launch with 64GB per CPU to follow. The NB54000c CPU Blade has approximately 1.8x more capacity than the NB50000c CPU Blade. The NB54000c supports existing G2 and G5 Cluster IO Modules (CLIMs), the IOAME with G4SA Ethernet and FCSA Fibre Channel Disk Module IO as well as the new G6 CLIM IO infrastructure. To upgrade from the NB50000c to the NB54000c then the NonStop MCE operating system must be brought up to at least J06.11, the software relicensed and all NB50000c Blades replaced with NB54000c Blades. All other modules used in an existing NB50000c system infrastructure can be retained and re-used.

The NB54000c has introduced and new Flexible Processor Bay Configuration (FPBC) to support high IO configurations. For systems between 4 and 8 CPUs (Blades) this means that odd CPUs (Blades) are placed in one C7000 BladeSystem enclosure and even CPUs (Blades) placed in another C7000 BladeSystem enclosure. This allows more ServerNet ports and hence IO connectivity for smaller NB54000c systems. Only the NB54000c supports FPBC.

The Integrity NonStop NB54000c, like the NB50000c, supports ServerNet clustering via ServerNet Cluster switches or the more powerful Advanced Clustering Hub.

See www.bitug.com for further details.

G6 CLIMS

HP NED has launched the G6 CLIM for general availability with the NB54000c as well as for new systems and system add-ons with NB50000c and NS2000 servers. The G6 CLIM has a more powerful CPU with a RAID1 system disk. The IP and Telco communications CLIM variants have the same port specifications as per previous generations.

The Storage CLIM variant of the G6 CLIM uses SAS 2.0 technology increasing the channel bandwidth from 3Gb/s to 6Gb/s per link. The G6 Storage CLIM supports up to 3 dual ported HBAs per CLIM which can be up to 4 * 6Gb/s SAS ports and 2 * 8Gb/s Fibre Channels ports or 2 * 6Gb/s SAS ports and 4 * 8Gb/s Fibre Channel ports. Storage CLIMs come with one dual ported 6Gb/s SAS HBA as standard.

G6 Storage CLIMs make it easier on all systems to configure the disk subsystem as 4C4D whilst still attaching StorageWorks XP or Fibre Channel Tape drives to the same CLIMs. New 6Gb/s SAS disk shelves and associated 146GB 15K rpm and 300GB 10K rpm disks have been launched for use with G6 CLIMs. For the Telco systems the new SAS 2.0 CG disk shelf now supports 24 small form factor SAS disks per shelf, doubling the previous SAS CG disk shelf density. NS16x00, NS2000, NB50000c and NB54000c systems can use any combination of G2, G5 and G6 CLIMs. For service actions G6 components cannot be used to replace G2/G5 infrastructure and vice versa, they must be replaced like-for-like. The new 6Gb/s SAS SFF disks can be used within the old commercial 3 Gb/s SFF SAS disk shelves however. Some IO will see performance increases from the new 6Gb/s SAS 2.0 Storage CLIM infrastructure.

See www.bitug.com for further details.

BIG SIG!
08/12/2011

Following feedback from BIG SIG 2010, BITUG is again holding the popular BIG SIG format— returning again this year to Trinity House, Tower Hill, London.

Mark the date in your diary for Europe's premier HP NonStop User event

NEEDS YOU!

If you're passionate about NonStop and can spare some time to assist the NonStop user community please contact any of the committee members for further details

---

Chairman's Chat

Welcome to the Summer edition of the BITUG Newsletter.

BIGSIG 2011 If you can cast your minds back to early December when nights should be long and the days short, rain maybe heavy is the norm. We had SNOW and the transport system could not cope. In the unusually early weather we ran our main event of the year the BITUG BIGSIG. We had one of our highest booking figures for an event in recent years, but unfortunately the weather prevented some from attending. The BITUG committee have thought about whether to move the BIGSIG to another date, but events planned by other User groups and HP make this time of year the best. So we have already booked Trinity House for the BIGSIG 2011 for the 8th December and plan to have an Education day on the 7th which may not be HP's Offices in Wood Street (watch the BITUG website WWW.BITUG.COM and E-Mails from BITUG to find out more).

DISCOVER 2011 was the HP showcase for all it platforms including the Flagship NonStop systems, this was held in Las Vegas in June and a European event will be held Vienna in November. HP are putting all their resources into these events so there will not be a NonStop Symposium this year. A report from this years event is included on page 3.

SIGs - by the time you get this newsletter we will have already run three SIGs. One on Operations Management and Systems Management, one on Modernisation and one on Migrations and Solutions. The last SIG of the year before the BIG SIG in December will be a Security SIG on 12th October. More details are available from the Website WWW.BITUG.COM as well as presentations from previous SIGs.

One thing we have noticed over the last couple of years is that the SIG in February is not so well attended as the other SIGs of the year. This could be for a number of factors, its just after Christmas, its just after the BIGSIG, it's a new year, the BITUG committee are considering removing the February SIG and moving the May SIG earlier. Can you let me have your thoughts?

I would like to thank the Committee for all their hard work they put in last year and the work they are doing for this year. I would also like to thank HP, the Vendors and End users who with support we would not be able to run such a varied and interesting User group.

Neil Barnes
Chairman BITUG
Chairman@BITUG.COM

BIG SIG
8th December 2011
Trinity House, London

The biggest, dedicated HP NonStop event

worldwide in 2011!

Following feedback from BIG SIG 2010, BITUG is again holding the popular BIG SIG format—returning again this year to Trinity House at Tower Hill, London.

Mark the date in your diary for Europe's premier HP NonStop User event set to include the following:

 Full details of HP's roadmaps for NonStop soft-ware and hardware.

 Presentations from users, HP and vendors

 Vendors exhibition area.

 Good, old-fashioned networking with your peers.

This years "**BIG SIG**" consists of three independent events – and BITUG members can attend any or all of them for FREE !
Wednesday Dec 7th Education Day at Wood Street.
That evening (Dec 7th) sees a social event. Details are still being finalised but we anticipate holding an event nearby.
Thursday Dec 8th The main event - the **"BIG SIG"** itself, run exclusively by BITUG for BITUG members only!

See www.bitug.com for further details

HP Discover—Las Vegas
Event Report

Five members of the BITUG committee managed to attend HP Discover (one at the very last minute!). It was a massive show with 10,000 attendees from the whole range of HP products including printing, PC's, software and the high end systems including NonStop.

HP's main themes for the show were converged infrastructure and specifically the NonStop's position within this and cloud computing,

They also introduced their new HP TouchPad tablet to complete with iPad (2) which runs HP's newly purchased webOS from palm. HP seem to be aiming this at the Enterprise market in order to compete with the other more consumer based devices on the market. This product is compatible with the latest HP webOS based 'palm' phones.
See http://h41112.www4.hp.com/promo/webos/us/en/tablets/touchpad.html for more details.

The NonStop content was down on previous years but there were still 19 NonStop vendors and two session tracks. NonStop may be the flag ship system in HP range of products, but it has a very small user-base compared to the other products. The HP NonStop Availability award went to MasterCard, but our own members VocaLink took a splendid meritorious achievement award for the second year running. It would be great to see more of our members represented next year.

We have been talking to the other NonStop user groups about a joint venture utilising new technology so that we don't have to leave the country but can still attract some big speakers. This is in the early stages of planning but watch our website www.bitug.com for more details as well as details about our upcoming SIGs and BIGSIG where more information about the converged infrastructure and cloud computing will be discussed.

Neil Barnes   (BITUG Chairman)

Damian Ward   (BITUG Vice Chairman)

2011 SIGs—year to date

It's been a busy year so far for BITUG Special Interest Groups! We kicked the year off with an Operations and System Management SIG in February which included some great presentations from Comforte, Lloyds Banking Group and HP.

This was followed up by a new topic SIG this year, "Modernisation" in May which had more great presentations from Attunity, CAIL, Comforte, Merlon and HP. There was also a great demonstration of hip-hop and rap techniques by Iain Liston-Brown as shown below:

By the time you receive this newsletter we will also have had the Migration and Solutions SIG on 20th July with presentations from ITP-Panorama, Lusis, TCM Solutions and HP.

The final SIG of the year will be a Security SIG on 12th October and I would encourage you all to attend this ever popular SIG event.

The Security SIG will kick off at 1000 at HP's offices in Wood Street, London—why not come along and discuss the latest Security offerings and projects with your peers.

New HP NonStop Essentials course

This course prepares you to work with operational tools within the HP Systems Insight Manager (HPSIM). You will be introduced to NonStop Cluster Essentials, I/O Essentials, Software Essentials and Performance Essentials. Topics include: cluster configuration/management, account creation/management, health summaries, managing tasks their categories, event viewer, running scripts, installing components, alert notifications, agent configuration, security management, remote workstations, and inventory reports. This 3-day course is 70 percent lecture and 30 percent hands-on labs using HP servers.

For more details see—http://www.hp.com/education/courses/hh675s.html

Newsletter Archive

To signup to receive future newsletters and to read this and previous newsletters check out

http://www.bitug.com

BITUG on Twitter

BITUG news on Twitter at:

http://twitter.com/BITUG

Catch up with latest up-to-date BITUG news on BITUG's Twitter site!

BITUG on LinkedIn

BITUG news, events, commentary and discussion on LinkedIn at:

http://www.linkedin.com/groups?mostPopular=&gid=2587433

BITUG Committee

Chairman
Neil Barnes
Vice-Chairman
Damian Ward
Outgoing chairman
David Ross
Treasurer
Sean Bicknell
HP Liaison
Iain Liston-Brown
Webmaster
Peter Born
SIG Coordinators
Graham Nield
Stuart Taylor
Angela Sandy
Rick Stather
Matt Whiteman

Help Wanted!
If you're passionate about NonStop and can spare some time to assist the NonStop user community please contact any of the committee members for