

EPV Technologies

Newsletter



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Past numbers of this newsletter are available on the web at <http://www.epvtech.com>

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This message contains news related to EPV products produced and distributed by EPV Technologies.

The EPV products suite answer problems such as **Managing Performance, Tuning and Capacity Planning** on the most common platforms, **allowing huge savings on HW and SW costs.**

Greater details and information on EPV products and solutions can be found at

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1) **Tech Papers**

Report from the IBM System z Technical Conference

Fabio Massimo Ottaviani - EPV Tehnologies

a) Introduction

The "IBM System z Technical Conference", has been held in Munich (Germany) on 16-20 april. It has been my first experience at this conference and I'm really enthusiast about that. It is for sure the most important technical event in Europe related to z issues and it's a unique opportunity to get first hand news from the IBM development teams and performance advices from the most famous z/OS performance analysts.

b) Best presentations

There were so many good papers that it's very difficult to choose, but I'll try to give you indications about the most interesting ones included in the z/OS Performance Track.

z/OS WLM, Transactions, Servers, and You - Glenn Anderson, IBM

Glenn is by far my favourite speaker. He is a z/OS guru with the soul of a real showman. Starting from the question: "What is a WLM Transaction?" he drives you to discover all you need to know about WLM subsystems, dependent and independent enclaves, application environments and more.

Glenn presentation focused on "new" workloads such as OMVS, DB2, DDF IWEB and CB showing many examples of WLM transaction flows. The last part is dedicated to CICS and IMS transactions which represent a kind of exception in WLM which normally manages address space or enclave based UOWs.

Whats New in V1.7 and V1.8 RMF - Harald Bender, IBM

The new functionalities introduced in RMF by the RMF development team to report on zIIP, real storage (up to 4 TB, but currently limited to 512GB by the hardware), ESS links, zFS and the Disk Space usage.

Harald presentation includes also a very clear explanation of the SYSTEM ADDRESS SPACE ANALYSIS section of the Postprocessor CPU report which has been redesigned to reflect the higher number of CPUs available per MVS image.

zIIPs& zAAPs: Transaction Flows and CPU Times - Peter Enrico, EPS

The "usual" great Peter Enrico presentation.

Peter discusses some typical transaction flows involving zIIP and zAAP processors, dependent and independent enclaves, client SRBs, unmanaged treads, and other key concepts necessary to understand the interpretation of zIIP and zAAP CPU times.

There is no other one in the world, in my opinion, able to explain these topic as clearly as Peter does.

Looking at this presentation you'll also know about the "IBM generosity factor" (that's Peter's definition).

z/OS Workload Manager The Latest and Greatest: z/OS Release 8 Update - Ulrich Hild, IBM

Directly from the WLM development team the new WLM functions provided in z/OS 1.8.

All you ever wanted to know about zAAP and zIIP, the new RSM/SRM Support for Large Real storage (up to 4 TB in z/OS 1.8) including the new UIC values and the elimination of physical swaps.

Other hot topics discussed in this presentation were the availability of Group Capacity and of new Resource Group types limited in scope to a single system.

Probably the best presentation I listened.

Parallel Sysplex Tuning Update - Joanne Kelley, IBM

A presentation describing the improvements introduced in CF Level 14, related both to performance and to structure duplexing.

Joanne gives a very good explanation of how duplexing work, how to interpret the RMF reports and also some good tuning recommendations.

The last part of the presentation is dedicated to z/OS 1.8 enhancements allowing for faster failover operations and to the evolution of CF and XCF links.

Memory Matters in 2007 - Martin Packer, IBM

"This presentation discusses managing both Real and Virtual Memory from the perspectives of both the operating system and the exploiting products.

The products include DB2, DFSORT, CICS, IMS, MQ and Websphere".

I completely agree with this abstract; in z/OS history sometimes Real sometimes Virtual storage have been the critical issue for System and Applications. In this presentation Martin shows how to manage, monitor and report Memory from all these perspectives.

c) How to get conference presentations

All the conference presentations can be downloaded at:

https://www14.software.ibm.com/webapp/iwm/web/preLogin.do?lang_enUS&source=systemztech

but you need to use your IBM id and a password we got in conference material. I suppose you have to ask to your company GSE representatives or to IBM.

d) EPV Technologies presentations

In the z/OS Performance Track we presented: "**Integrating zPCR in a practical Capacity Planning methodology**" and "**zAAP and zIIP: from theory to reality**" which were well attended (about 100 people in total) and appreciated from participants.

If you are interested in these presentations please reply to this e-mail.

e) Conclusions

There's so much to learn in a conference like this, that I'm surprised to see "only" 400 people. Every z/OS Performance Analyst in Europe should have been there.

I strongly advice all of you to plan to go to this conference next year.

2) Tech News - Upcoming events:

CMG-Italia 2007

The XXI CMG-Italia conference will be held in Milano on may 8 and will be hosted by S.I.A.

The conference theme will be: "System Virtualization".

EPV Technologies will present the papers:

"Measuring VMWARE Environments",

"zAAP and zIIP: from theory to reality".

More details at: <http://www.cmgitalia.it>

CECMG & EuroCMG 2007, Nuremberg 23-25 may

CECMG 2007 will be held in Nuremberg on may 23-25. The conference will host the 10th edition

of EuroCMG.

EPV Technologies will present the paper: "zAAP and zIIP: from theory to reality".

TPS-DATA, official distributor of EPV products in German speaking countries, and EPV Technologies will sponsor the conference.

More details at: http://www.cecmg.de/doc/tagung_2007/agenda07/index.html

Seminar announcement: "Integrating zPCR in a practical Capacity Planning methodology"

The second and third edition of the seminar will be done in cooperation with TPS-DATA, official distributor of EPV products in German speaking countries.

The seminar, presented in English, will be held:

- on june 13 in Munich, hosted by Informatik Zentrum (IZB);
- on june 14 in Zurich, hosted by TPS-DATA.

More details at: <http://www.tps-data-de.com/>

3) Tech Notes - Updated Redbooks

"System Programmers Guide to: Workload Manager"

An updated version of this redbook, a "must to read" for all z/OS Performance Analysts, is available.

It includes all the updates related to the WLM functionalities added in z/OS 1.8.

Download at: <http://www.redbooks.ibm.com/abstracts/sg246472.html?Open>

"Effective zSeries Performance Monitoring Using Resource Measurement Facility"

An updated version of this redbook, another "must to read" for all z/OS Performance Analysts, is available.

It includes all the report updates needed to support z/OS 1.8.

Download at: <http://www.redbooks.ibm.com/abstracts/sg246645.html?Open>

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