EPV Technologies
Newsletter

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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

Websphere and Enclaves
Fabio Massimo Ottaviani - EPV Technologies

Enclaves are the units of work used by all the "new" z/OS workloads.

Enclaves can be dependent or independent: an independent enclave is a new work request completely separated from the creating and server address spaces in which it runs, a dependent enclave has, on the contrary, a strong relationship with the creating address space.
In this paper the major differences between independent and dependent enclaves will be discussed showing how Websphere incoming requests can be classified in order to allow better control of application performance and resource usage.
Starting from a real life experience of monitoring new web applications, some unexpected implications of the way Websphere uses enclaves will also be discussed.

If you want to receive the paper you can reply to this e-mail writing **"Websphere and Enclaves"** *in the subject*

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2) Tech News - Upcoming events

EPV User Group 2007 - Abstracts
The 5th EPV User Group will be held in Rome, at the Residenza di Ripetta, on October 23rd 2007.
The EPV User Group is a "not to miss" event for all Performance Analysts; it will give you the opportunity to share ideas with qualified experts and to listen to some of the EPV customers experiences.

Abstracts

- *EPV for Unix in UGIS -* Paolo Stucchi, UGIS

This presentation will describe the evolution of the EPV for Unix implementation in UGIS starting from 2003, when the EPV input source was OMEGAMON, to last year when we decided to use EPV native agents and to introduce the new product version in order to analyze AIX MicroPartitioning.

- *EPV for UNIX 6.0 -* Mark Cohen Austrowiek, EPV Technologies

The new version of the EPV for Unix product will be presented. One of the most interesting new features is the possibility to group systems by user defined criteria allowing an easy control of very complex environments.

- *Gruppo Generali Servizi, Generali Performance Management -* Giovanni Flesca, GSI

Starting from EPV for z/OS information, GSI implemented a process to provide a vision of system components performance and critical issues to both GSI management and customers. This process extracts some relevant information, loads them in Excel and produces a document. This presentation will describe the process, its connections to EPV and the final results provided to GSI users.

- *EPV for z/OS 7.0 -* Giuseppe Giacomodonato - EPV Technologies

EPV for z/OS version 7 provides many new reports to support the new functions of the most recent z/OS versions. A new algorithm to estimate the power of the IBM machines has been introduced. Starting from the IBM LSPR tables it takes also into account the availability of zAAP and zIIP in the machine. Trend reports has been redesigned and empowered with new information. New GUI

functions have been introduced to improve the product usability and effectiveness. During the presentation the most interesting new features and reports will be discussed.

- *EPV Parser for SMF version 2.0 (DEMO)* - Mario Rossi, EPV Technologies

The new version of the Parser has been redesigned to improve its performance and increase the amount of SMF data processed throughput. It now includes a scheduler which allows, in a complete automatic way, to load multiple SMF files coming also from different systems in parallel. The product supports both MySQL and MS SQL Server but thanks to the new design it will be possible, through a simple customization, to adapt the product also to other SQL DBMS.

- *Estimating GCP, zAAP and zIIP Latent Demand* - Fabio Massimo Ottaviani, EPV Technologies

Most of the techniques used to estimate latent demand in the last years have been based on the CPU ready queue. Unfortunately the availability of the new specialized processors (zAAP and zIIP) changed the meaning of this metric: it now provides the number of AS running on or waiting for GCP, zAAP or zIIP (not only for GCP). In this presentation a possible approach will be discussed to understand if latent demand is in the system and to which kind of processor it belongs to.

All the EPV participating customers are invited to join the "EPV special dinner" to be held on the previous evening at the famous "Taberna dei Gracchi" restaurant.
Mark the day in your agenda to avoid missing this event.

GSE UK - EPV Technologies presentations

The GSE UK 2007 Conference, to be held in Kenilworth (UK) on 30-31 october 2007 is a unique opportunity to get first hand news from the IBM development teams and to get performance advices from the most famous IBM performance analysts.
EPV Technologies will present the following papers:

- "zAAP and zIIP: from theory to reality" at 16:45 on October 30th
- "Integrating zPCR in a practical Capacity Planning methodology" at 11:45 on October 31st

More details at: http://www.gse.org.uk/tyc/invite.html

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3) Tech Notes

Coupling Facility CPU usage

The new R744SETM field will be provided starting from z/OS 1.9 and CF Level 15 to accumulate the CPU seconds used by each structure.
EPV for z/OS V7 will collect this field. Reports will be provided through PTF as soon as the first customer will require that.

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4) Tech Support

Performance Enhancements for Large Real Environments

This flash documents new recommendations for installations running z/OS 1.7 and below, running z/OS LPARs with large real storage and limited paging. Documentation of IEAOPTxx parameters is included as is information on recommended settings for these parameters. The recommendations are aimed at improving overall system throughput and performance.

Document available at: http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/FLASH10598