EPV Technologies	Newsletter

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This month we publish the second paper of a series dedicated to a "hot" topic: **how to save money on the mainframe**.

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- New EPV tables including MIPS values for z10 machines

27 Mar 2008 - Number 3	Past numbers of this newsletter are available on the web at **http://www.epvtech.com**

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 **http://www.epvtech.com** or writing to **epv.info@epvtech.com**.

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1) Tech Papers	Saving money buying a new engine
Abstract	Fabio Massimo Ottaviani - EPV Technologies

Since many years IBM is pursuing a strategy to strengthen mainframe and z/OS position in the market. An important role in this strategy is played by the availability of new specialized processors.

In 2004 IBM released the AAP (Application Attached Processor), a specialty processor dedicated to run JAVA work. The availability of AAP is a milestone in making Websphere on z/OS the preferred solution to host business critical web applications. Thanks to AAP technology IBM can offer low cost hardware (AAPs are considerably less costly than the standard CPUs). However the most important benefit for customers is that AAP usage doesnt influence the z/OS software license costs.

In 2006 IBM released the IIP (Integrated Information Processor), a specialty processor dedicated to run enclave SRB work. The IBM goal is to strengthen the z/OS position as the leading enterprise data repository and data serving platform. Similarly to AAP, IIPs are considerably less costly than the standard CPUs and their usage doesnt influence the z/OS software license costs.

A full exploitation of AAP and IIP technology has to be a key point in the strategy of any customer who really wants to reduce hardware and software costs.

In this paper, based on a real life situation, a technique is presented to:

- evaluate the amount of CPU usage due to workload which is eligible to run on AAP and/or IIP but is still running on standard CPUs;
- evaluate the MSU 4-hour rolling average in the hypothesis that 90% of this eligible workload run on additional AAP and/or IIP engines;
- estimate possible MSU savings;
- decide if buying AAP and/or IIP engines will allow you to save money.

If you want to receive the paper you can reply to this e-mail writing **"Saving money**

buying a new engine" *in the subject*

2) Tech News	**Upcoming events**

IBM System z Technical Conference

The "IBM System z Technical Conference", to be held in Dresden (Germany) on 5-9 May 2008, is probably the most important technical event in Europe related to z issues. It's 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:

- "Managing Websphere/DB2 transactions with WLM" - Monday 5 May at 17,00 - room 2
- "Estimating GCP, zAAP and zIIP Latent Demand" - Tuesday 6 May at 15,15 - room 2

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

UKCMG TEC 2008

A must attend event with excellent papers from industry experts, US guest speakers, education specialists and end users. The three-day event will cover hot topics and issues in Performance, Capacity Management, Service Management, Distributed and Mainframe including beginner sessions.

UKCMG will be held in Whittlebury, Northampton on 19-21 May 2008.

EPV Technologies is pleased to announce that its leading edge performance and capacity planning products for zOS, UNIX and Windows will be supported in the UK and Ireland by Inspired Solutions and Blenheim Software.

Inspired Solutions will sponsor the UKCMG conference.

More details at:
http://www.ukcmg.org.uk/acJune2008conference.html

CMG-Italia Annual Conference

The XXII CMG-Italia conference will be held in Milano on 22 May 2008 and will be hosted by S.I.A.

The conference theme will be: "New technologies, methodologies end policies to reduce IT costs".

EPV Technologies will present: "Bigger Savings using Defined and Group Capacity".

More details soon at: http://www.cmgitalia.it

CECMG Annual Conference

CECMG 2008 will be held in Hamburg on may 28-30.

EPV Technologies will present the following papers:

- "Managing Websphere/DB2 transactions with WLM"
- "Estimating GCP, zAAP and zIIP Latent Demand"

More details at: http://www.cecmg.de

3) Tech Support	**MXG correction ... — New EPV tables ...**

MXG correction to support dedicated zAAP and zIIP
"Change 26.031 -Support for Dedicated zAAPs and fix for Dedicated zIIPs.
Change 25.211 only worked for one Dedicated zIIP engine, because it used total ZIPWAITM vs the ZIPWAIT(LCPUADDR+1) wait time for each engine, impacting TYPE70 variables ZIPACTTM, PCTZIPBY, and PCTCIBYn. That logic is fixed, and new logic for Dedicated zAAPS is added, impacting the IFAACTTM, PCTIFABY, and PCTCIBYn variables. For Shared zIIPs or zAAPs, the LPAR Dispatch time was always valid, but for Dedicated zAAPs or zIIPS, the dispatch time was always reported as 100% busy ..."

New EPV tables including MIPS values for z10 machines
The new EPV tables, including MIPS values for all the new z10 machines, are available.
EPV for z/OS Version 7 customers can require them writing to: **epv.support@epvtech.com**.