

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.**

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1) Tech Papers

Understanding WLM General Delays

Fabio Massimo Ottaviani – EPV Technologies

White paper – WLM series

The idea of z/OS Workload Manager is to make a contract between the installation (end user) and the operating system. The installation classifies the work running on the z/OS operating system in distinct Service Classes and defines goals for them that express the expectation of how the work should perform. WLM uses these goal definitions to manage the work across all systems of a

sysplex environment. (System Programmer's Guide to Workload Manager, IBM Redbooks, SG24-6472-00, June 2005)

In order to accomplish this complex task, WLM needs to know the amount of time spent by each workload at the different resources (using and waiting for them).

This is the reason why WLM periodically samples the state of each dispatch unit (TCB and SRB) associated both to an Address Space or an Enclave.

These samples are then aggregated at the service class period level and used to:

- determine what resource is the primary bottleneck for the work in the service class period,
- evaluate the impact of some possible action WLM might take
- make policy adjustment decisions.

This paper will shortly describe the WLM using and delay states.

If you want to receive the white paper you can reply to this e-mail writing " Understanding WLM General Delays " in the subject

2) Tech Support - APAR to reduce GRS and CATALOG consumptions

APAR OA09688 (GRS ENQ Performance Improvements, 02Jun2005) and OA09340 (Catalog Performance Improvements, 30Oct2004) allow to reduce GRS and Catalog resource consumptions and to improve their performance. These corrections are useful for any "n-way" system but are mandatory if the number of processors is very big (z/OS 1.6 and z/OS 1.7 can now support up to 32 processors).

Details at:

[http://www-03.ibm.com/support/techdocs/atsmastr.nsf/5cb5ed706d254a8186256c71006d2e0a/a490fb2c652f41f486257052005e770c/\\$FILE/zos_32way_v1.pdf](http://www-03.ibm.com/support/techdocs/atsmastr.nsf/5cb5ed706d254a8186256c71006d2e0a/a490fb2c652f41f486257052005e770c/$FILE/zos_32way_v1.pdf)

3) Tech News - Sub-Capacity licensing for SAS on the mainframe

Barry Merrill wrote in the MXG newsletter that, since January 2006, SAS will offer Sub-Capacity licensing for SAS Version 9.1.3 on the mainframe. The price will be based on the LPAR "Image Capacity" in MSU.

The LPAR Image Capacity (SMF70WLA) is shown in the RMF **Partition Data Report** and in the **WLC USAGE** view of the EPV for z/OS product (since version 5).

The IMAGE CAPACITY definition as described in the "RMF - Report Analysis" manual is the following:

IMAGE CAPACITY

CPU capacity available to the MVS image measured in MSUs (millions of service units) per hour.

The field is calculated as follows:

- If the partition has a defined capacity limit, this value is that limit.

- If the partition has no defined capacity limit, this value is calculated based on the partition's logical CP configuration and capping state.

All the online and reserved processors have to be included in the calculation.

Details at:

<http://www.mxg.com/news/>

4) Day "Best of CMG" in Italy – Excellence in Operations. Why bother ?

The II "Best of CMG" day will be held on October 25th in Milan. The event will be based on the Andrea Giudici (Unicredit Servizi Informativi) presentation, winner of the Best of CMG award at the CMG-Italia 2005 conference.

Gartner Group and Adfor presentations will complete the agenda.

The language of the event will be Italian.

Details at:

<http://www.cmgitalia.it/>

If your company is not associated to CMG-Italia, but you are interested in this event, please contact us.

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