

EPV Technologies

Newsletter



22 february 2006 - Number 2

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

In this number

- 1) **Tech Papers - The Best I/O is no I/O (also to save CPU time)**
- 2) **Tech Support -**
 - Low, medium and high impact frames in SMF 71 finally correct
 - Wrong values in SMF 72 I/O times
 - Use of IFAHONORPRIORITY and IFACROSSOVER parameters has changed
- 3) **Tech Notes - EPV for z/OS version 6**
- 4) **Tech News**
 - CMG-Italia Seminar - "Scalability and Performance of .NET Framework Applications"
 - CMG-Italia Seminar - "WLM 2006: errors, half errors and unknowns"

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.

All the mentioned trademarks belong to their respective companies.

1) Tech Papers

The Best I/O is no I/O (also to save CPU time)

Fabio Massimo Ottaviani – EPV Technologies

White paper

Every Performance Analyst knows that I/O is crucial for applications performance. The obvious reason is the difference in speed between the hardware resources: CPU cycles are measured in nanoseconds or less, memory access in microseconds or less, I/Os are still measured in milliseconds.

It is also common sense the fact that issuing an I/O implies some CPU consumption. What is not so clear is: how much CPU is required for an I/O to complete ?

This paper will describe the results of a real life experience at a customer site. Starting from an “out of the range” value of the EPV IOC index, an error has been discovered in the system parameters. By correcting the error a big amount of I/O and a significant amount of CPU has been saved.

*If you want to receive the white paper you can reply to this e-mail writing " **The Best I/O is no I/O (also to save CPU time)**" in the subject.*

2) Tech Support

Low, medium and high impact frames in SMF 71 finally correct

IBM APAR OA11469 corrects low, medium and high impact frames values in SMF 71. The problem has been described in EPV Newsletter n. 4-2005.

More information at: <http://www-1.ibm.com/support/docview.wss?uid=isg1OA11469>

Wrong values in SMF 72 I/O times

During development of version 6 of EPV for z/OS we've found a problem in I/O times in SMF record 72 for Service and Report Class reports.

There's an open problem with IBM who's working to fix it.

The problem appeared in z/OS 1.5.

If you need more details contact our technical support at: epv.support@epvtech.com

Use of IFAHONORPRIORITY and IFACROSSOVER parameters has changed

IBM APAR OA14131 changed the way the z/OS Dispatcher and these parameters work to control the IFA eligible work dispatching. Kathy Walsh (IBM WSC) published a document, a must to read for zAAP users, describing these enhancements in detail.

More information at:

<http://www-03.ibm.com/support/techdocs/atmastr.nsf/WebIndex/FLASH10432>

3) Tech Notes

EPV for z/OS V6.0

Development of version 6.0 of the EPV for z/OS product is going on very quickly. Some of the major enhancements have already been completed such as:

- The new Service Vision component including reports about:
 - Systems availability;
 - Subsystems availability;
- Enhanced WLM service class performance analysis including many new fields and views about:
 - MPL and AVG;
 - I/O rate and response time;
 - Execution and Queuing time;
- Enhanced WLM report class performance analysis;
- Redesign of Coupling Facility structures performance analysis;
- Hourly, daily and monthly CPU usage analysis by Service Class Importance.

Other enhancements are in the final stage of development; they are:

- Statistical exception analysis by CICS and IMS transaction code (number of executions, CPU usage, response time);
- PPRC links usage;
- XCF – CTC path usage;
- Abend related views.

More information in future Newsletters.

4) Tech News

CMG-Italia Seminar - "Scalability and Performance of .NET Framework Applications"

The seminar will be held in Rome on March 9th 2006.

The speaker will be Mark Friedman from Demand Technology Software.

More details in the next newsletter or on the CMG-Italia web site at: <http://www.cmgitalia.it>

CMG-Italia Seminar - "WLM 2006: errors, half errors and unknowns"

The seminar will be held in Milan on March 29th 2006.

The speaker will be Fabio Massimo Ottaviani from EPV Technologies.

More details in the next newsletter or on the CMG-Italia web site at: <http://www.cmgitalia.it>

If you've received this mail by mistake, or you don't want to receive any more such messages, please send a mail to epv.info@epvtech.com with a subject "REMOVE". You'll be promptly removed from the list.

If you want to subscribe to this list you can do that simply send a mail to epv.info@epvtech.com with a subject "SUBSCRIBE".
