

EPV Technologies Newsletter

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In this number:

- 1) Tech Papers - Measuring WebSphere MQ - Part 2
- 2) Tech News - Upcoming conferences in March 2012
- 3) Tech Notes - EPV for zLinux V4 Beta version
- 4) Tech Support - Excessive WLM sampling overhead



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<http://www.epvtech.com>



1) Tech Papers - Measuring WebSphere MQ - Part 2

WebSphere MQ (WMQ in the following) is a powerful message-oriented middleware which is playing an increasing fundamental role in most current z/OS environments.

WMQ provides a layer of abstraction between its infrastructure components and the applications using those components. This provides the ability to develop and integrate new applications, even when running on different platforms, focusing only on the business logic. The advent of the Service Oriented Architecture (SOA), where WMQ is a key component providing the universal messaging backbone across many different platforms, has made WMQ even more important. Nowadays it is therefore very common that many business critical applications in any z/OS environment rely on WMQ to work and perform as expected.

WMQ is normally very stable and provides good performance, however the impact of a badly performing WMQ infrastructure can be so dramatic that it is critically important for any performance analyst to be able to understand, measure and tune both WMQ components and workloads.

After a short introduction to WMQ concepts and architecture, we will discuss the most important metrics provided in the SMF records to control and tune WMQ performance.

Real life examples will also be discussed.

If not explicitly stated everything in this document refers to WMQ V7.0.

*If you want to receive the paper you can reply to this e-mail writing
"Measuring WebSphere MQ - Part 2 in the subject"*



2) Tech News - Upcoming Conference in March 2012

EPV Technologies will present at the following conferences:

a) CMG-Italia workshop, Milan, Italy

"Measuring and Tuning Websphere MQ", 14 March 2012, 10:30,
Session 1

"Measuring the Websphere Message Broker", 14 March 2012, 12:00,
Session 1

More details at: www.cmqitalia.it

b) CECMG Annual Conference, Hannover, Germany

"Exploiting CPU Measurement Facility Sampling", 22 March 2012, 14:30,
Session 1

More details at: www.cecmg.de



3) Tech Notes - EPV for zLinux Beta version

A BETA version of EPV for z/Linux V4 is available.

This version will provide:

- a complete documentation of DB and table layout;
- all the latest improvement provided in the EPV GUI such as the new menu, including calendar navigability, and the Column Manager.

Major technical enhancements:

- exceptions;
- configuration changes;
- resource utilization details (at the Monitor interval);
- workload utilization details (at the Monitor interval);
- weekly trends (system, workloads);
- . self adaptive statistical control in all daily trends.

EPV for zLinux V4 will enter Managed Availability by the end of March 2012 and General Availability by the end of April 2012.



4) Tech Support - Excessive WLM sampling overhead

OA38280: REDUCE SAMPLING OVERHEAD IN IRASASRV

IRASASRV issues an IVSK instruction to obtain the storage key of the PBDE. However, PBDEs are obtained from subpool 228 key 0 so the instruction is not necessary and can cause additional overhead.

More details at: <http://www-01.ibm.com/support/docview.wss?uid=isq1OA38280>

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