



Editorial staff: Dino Gigli, Danilo Gipponi, Fabio Massimo Ottaviani (EPV Technologies) – Jon Olley (Inspired Solutions)

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### 1) Tech Papers - Measuring IMS Transactions - Part 2

After almost half a century, IMS (Information Management System) is still alive and in good health. According to IBM, more than 75% of the world's Top 25 companies listed in the Fortune 100 entrust IMS to run their business.

So being able to measure and tune IMS applications is still an essential skill for every z/OS performance analyst.

From the measurement point of view, IMS is a kind of exception in the z/OS world; unlike all the other subsystems, IMS doesn't write any SMF records. All the relevant events are mapped to a specific log record number and written to the IMS log.

For many years IMS didn't provide a specific IMS log record, collecting all the performance related information. This information was spread across many different log records (e.g. x'07' for program termination and x'08' for program schedule) which had to be combined, by using a fairly complex algorithm, to analyse application throughput, response time and resource utilisation.

This has been one of the reasons for the success of the BMC Mainview for IMS (a.k.a. IMF) product. From the beginning Mainview for IMS has written its own IMS log records which are designed to analyse application performance. The most important of them is the "Transaction log record",

identified by the log record number x'FA' (FA in the following), which provides all the details you could wish, about each IMS transaction execution, in a simple and straightforward way.

From IMS V10, IBM finally decided to provide an IMS log record specifically designed to collect performance information: the x'56FA' log record (56FA in the following).

In this presentation we will discuss what you have to do in order to produce, manage and analyse both 56FA and FA records. We will also present a case study where we will compare the values of the most important performance metrics collected in these records.

Finally we will briefly discuss the new metrics available to analyse zAAP/zIIP usage of IMS applications.

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

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## 2) Tech News - Upcoming conferences in Europe

Here is a first list of "not to miss" events in first half 2014 in Europe:

- "New Metrics to Tune z/OS Applications", CMG-Italia seminar, 5 March 2014, Auriga Hotel, Milan, Italy
- "New Metrics to Tune z/OS Applications", CMG-Italia seminar, 12 March 2014, Cicerone Hotel, Rome, Italy
- CECMG Annual Conference, 19-20 March 2014, Maritim Hotel, Dresden, Germany
- IBM System z Technical University, 12-16 May 2014, Corinthia Hotel, Budapest, Hungary
- GSE Germany Annual Conference, 26-28 May 2014, Munich, Germany
- GSE Nordic Region Annual Conference, 10-12 June 2014, Scandic Hotel, Copenhagen, Denmark

More details will be available in next newsletters.

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## 3) Tech Notes - New IBM docs

### Absolute Capping for zEnterprise LPARs

"Absolute Capping is a new control which was made available in 2013 as part of licensed internal code (LIC) supporting the zBC12 and zEC12 GA2 CPCs. It is enabled on zEnterprise via licensed internal code Version 2.12.1 at Driver Level 15 or higher.

Absolute Capping is available to any LPAR but is of particular interest for non z/OS LPARs such as z/VM and Linux on z that cannot make use of z/OS Workload Manager capacity management functions.

Unlike traditional LPAR Capping, this enhancement is designed to provide a physical capacity limit enforced as an absolute (versus relative) value that is not affected by changes to the virtual or physical configuration of the

system.”

Download it at:

<http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP102382>

### **IBM HTTP Server on z/OS: Migrating from Domino-powered to Apache-powered**

“Users of IBM z/OS for the past several years have had a choice of two HTTP Servers that they can use. Now one has become strategic while the other will become unsupported. IHS powered by Apache supports IPv6, 64-bit execution, and includes security authentication and authorization capabilities similar to those provided in IHS powered by Domino. This IBM Redpaper publication describes various features available in IBM HTTP Server powered by Apache, to compare IBM HTTP Server powered by Apache with IBM HTTP Server powered by Domino, and to provide advice on how to migrate from the old to the new.”

Download it at:

<http://www.redbooks.ibm.com/abstracts/redp4987.html?Open>

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