

EPV Technologies Newsletter

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

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1) Tech Papers

Collecting DB2 Metrics in SMF - Part 3

The DB2 Instrumentation Facility Component (IFC) provides a powerful trace facility that you can use to record DB2 data and events. You can measure virtually everything by activating appropriate traces and classes.

As you can imagine these metrics are extremely useful to control and tune DB2 subsystems and application performance. Unfortunately the volume of data DB2 traces collect can be quite large. The overhead to produce this data can impact system performance while the amount of data to manage and process can require a lot of additional system resources. This is the reason why many sites collect just a small part of the DB2 metrics (or no DB2 measurements at all) in their SMF data.

In this paper, after an introduction to the DB2 measurement infrastructure, we'll focus on DB2 statistics and accounting information showing examples of how to use SMF collected data to tune DB2 subsystems and applications.

We'll also discuss some possibilities to reduce:

- the overhead of running DB2 traces;
- the amount of SMF data produced;
- the amount of system resources needed to process SMF data.

If not explicitly stated everything in this document refers to DB2 V9.1.

*If you want to receive the paper you can reply to this e-mail writing **"Collecting DB2 Metrics in SMF - Part 3"** in the subject*

2) Tech News

Upcoming conferences in May

EPV Technologies will present at the following conferences:

a) IBM System z Technical University - Wien - Austria

- "Collecting DB2 Measurements in SMF", 4 May 2011, 10:15, Room Mahler
- "Capacity Planning Issues for the z196 and z/OS 1.11", 5 May 2011, 8:45, Room Klimt 2
- "Capacity Planning Issues for the z196 and z/OS 1.11", 6 May 2011, 11:45, Room Mahler

b) UKCMG Annual Conference - Thame,Oxfordshire - UK

- "Collecting DB2 Measurements in SMF", 16 May 2011, 10:00, Track M

c) CMG-Italia - Milan - Italy

- "Collecting DB2 Measurements in SMF", 19 May 2011

d) GSE Germany - z/OS Working-Group - Bayreuth - Germany

- "X-ray Your Systems", 27 May 2011, 11:00

More details at: <http://www.gse.org> <http://www.ukcmg.org.uk/>
and <http://www.cmgitalia.it/>

3) Tech Notes

New IBM Redbook

SMF Logstream Mode - Optimizing the New Paradigm

This IBM Redbooks publication positions the use of System Logger log streams as a repository for System Management Facilities (SMF) data against the previous use of Virtual Storage Access Method (VSAM) data sets for SMF data. This book expands on existing material by covering not just the implementation steps, but also by looking at how you use SMF data today, and using that information to help you identify the most appropriate repository for your SMF data.

If it transpires that log streams are appropriate for some or all of your SMF data, this book provides all the guidance that you are likely to require for a successful migration to this new paradigm.

The target audience for this document is system programmers and anyone who uses SMF data.

Redbook available at: <http://www.redbooks.ibm.com/abstracts/sg247919.html?Open>

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