Collecting DB2 Metrics in SMF – Part 3
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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 collects 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.