



z/OS data collection Db2 performance analysis z/OS performance analysis WLM update

Hotel Cicerone
Rome 5-9 March 2018

Abstract

The training courses have been designed to provide participants a deeper knowledge about:

- how to collect and manage the huge amount of performance data available in the z/OS environment;
- the most relevant performance metrics to use to analyse Db2 performance;
- the most relevant performance metrics to use to analyse z/OS performance;
- the most advanced and recent WLM functions.

EPV products will be used as a map to make the path easier but most of the concepts discussed will be of general interest also for not EPV customers.

The first day will be dedicated **z/OS data collection**.

We will discuss SMF (and other useful data) production and collection. We will then focus on which controls are needed to avoid loss of data and data duplication. Some advanced feature of EPV zParser will also be discussed together with the possibility to feed a data lake.

The second day will be dedicated to **Db2 performance analysis**.

After a short introduction to some peculiar characteristics of the EPV for Db2 data collection and processing, we will discuss the most relevant performance metrics to use to analyse Db2 subsystems and application performance.

Special attention will be dedicated to Db2 zIIP exploitation and to the most relevant performance features and metrics available in Db2 V12. Finally, we will focus on the possibility to produce easy-to-navigate accounting reports in HTML pages.

The third and fourth days will be dedicated to **z/OS performance analysis**.

After a short introduction to some peculiar characteristics of the EPV for z/OS data collection and processing, we will discuss the most relevant performance metrics to use to analyse z/OS resource and workload performance with special attention to the counters provided in SMF 113 records.

A specific section will be dedicated to software cost measurement based on 4-hour rolling average measurements and to soft capping.

Finally, we will focus on the importance of thresholds and daily trend analysis to identify abnormal behaviours and on the usefulness of long term trending for capacity planning.

The fifth day will be dedicated to a **WLM update**.

After an introduction to WLM we will discuss some advanced WLM topics.

Special attention will be dedicated to the metrics available to control WLM activity.

Finally, we will focus on the WLM support of the new Container Pricing option, designed by IBM to allow customers to reduce their software license costs.



Audience

Even if part of the seminar will be based on the EPV products functions and pages, all the concepts discussed will be of general interest for everyone working at improving z/OS and Db2 performance.

Subscription

The maximum number of participants is 20.

Participants will be accepted based on a first come, first served basis.

Language

Seminar language will be English

EPV training staff



Fabio Massimo Ottaviani has been involved in Performance, Service levels, Capacity Planning and Cost Accounting projects since 1982.

In 2002 he joined EPV Technologies to work as Technical Director at designing the EPV products suite.

Fabio is also a frequent speaker at CMG and IBM conferences in Italy and abroad.



Enzo Rossi has more than 30 years' experience as system programmer.

Enzo joined EPV Technologies in 2004 to work as Chief Developer of the EPV zParser product.

Enzo is the "father" of the EPV zParser and EPV SMF2XL products.



Matteo Bottazzi joined EPV Technologies in 2010 to work as Developer of the EPV zParser product.

Matteo is also the major contributor to the design and development of the EPV products user interface, the EPV Focal Point, the EPV Customization GUI.



Giuseppe Giacomodonato has 30 years' experience in z/OS performance analysis.

In 2003 he joined EPV Technologies to work as Chief Developer of the EPV products suite and to contribute to the product design.

Giuseppe is one of the major SMF experts in Europe and a frequent MXG contributor.



Mario Rossi started working as SAS developer in 1997.

In 2005 he joined EPV Technologies to work as Chief Developer of the EPV products suite.

Mario has also been leader of successful projects designed to exploit z/OS performance measurements, provided in the EPV products database, and integrate them with business-oriented information.



Massimo Orlando started working as Unix developer in 1998.

In 2005 he joined EPV Technologies to work as Chief Developer of the EPV products suite.

Massimo has also been leader of successful projects designed to exploit z/OS performance measurements, provided in the EPV products database, and integrate them with business-oriented information.



Day 1 – z/OS data collection – March 5th, 2018

09:30	SMF records and more
10:15	zParser data collection architecture
11:00	coffee break
11:30	zParser basic processing
12:30	zParser advanced processing
13:00	lunch
14:30	Processing controls
15:00	Data recovery
15:30	coffee break
16:00	zParser for Big Data
16:30	end of day

Day 2 – Db2 performance analysis – March 6th 2018

09:30	Data collection
10:00	Processing controls
10:15	Db2 critical events
10:30	Db2 System Address Spaces
11:00	coffee break
11:30	Db2 subsystem performance
12:45	lunch
14:15	Db2 application performance
15:15	coffee break
15:45	Trends
16:15	Accounting reports
16:30	end of day

Day 3 – z/OS performance analysis: Part 1 – March 7th 2018

09:30	Data collection
10:00	Processing controls
10:30	Hw & Sw configuration
11:00	coffee break
11:30	Resources
13:00	Lunch
14:30	I/O resources
15:15	coffee break
15:45	Throughput
16:30	end of day

Day 4 – z/OS performance analysis: Part 2 – March 8th 2018

09:30	Workloads
11:00	coffee break
11:30	Exploiting SMF 113 counters
12:45	Lunch
14:15	Daily trends
15:00	Weekly and Monthly trends
15:30	coffee break
16:00	WLC
16:30	end of day

Day 5 – WLM update – March 9th 2018

09:30	Introduction
10:30	Capping e soft capping
11:00	coffee break
11:30	SYSTEM and SYSSTC
11:45	CICS and IMS service classes
12:15	Mobile workload pricing support
12:45	Lunch
14:15	IRD and HiperDispatch
14:45	zIIP SMT
15:15	coffee break
15:45	Container pricing
16:30	end of day



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Payment should be done, before 16th February 2018, to:
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