
Peter Enrico's

Parallel Sysplex and z/OS Performance Tuning Workshop

A 2-Day Web Based Workshop

An online experience of learning and doing!

Visit www.epstrategies.com for class schedule and pricing.

IBM's z/Architecture platform continues to evolve at a rapid pace. It can be a full-time effort just to keep current with the latest technologies, performance management techniques and measurements. This is especially true with the most recent 'z' announcements. Like our other classes, students will spend class time learning, but also analyzing their own data.

Parallel Sysplex is an important topic in this workshop. After a review of the basic concepts of XCF, parallel Sysplex and data sharing, attendees will learn about the latest coupling facility configuration options and data sharing exploiters. Attendees will also learn to effectively measure, monitor, and tune coupling facilities and structures. During the class exercises each attendee will analyze their own XCF and coupling facility data.

After attending this workshop, you can return to work, roll up your sleeves, and start to effectively measure, monitor, and tune your z/OS system, with extra emphasis on parallel Sysplex.

A Week of Reviewing Your Own Data!

Prior to class we instruct you on what data to bring to class **from your own systems**. Then, while in class, you will also be spending a week doing a basic system performance basic Health Check® using the data you supplied. So, if you have not done a basic Health Check® in a while, or have some performance nagging questions, this is a perfect opportunity for combined instruction, time doing analysis, and an opportunity to get input and recommendations from a leading zArchitecture performance expert – Peter Enrico.

This workshop is for you...

- if you want a working knowledge of the latest z/OS, z/Architecture, zSeries, z-processors, WLM, and parallel Sysplex announcements and technologies.\
- if you're the one concerned with or interested in the latest parallel sysplex and coupling facility performance management information.

Workshop Highlights

- Parallel Sysplex measurement analysis and tuning
- Coupling facility and structure measurement analysis and tuning
 - List, Lock and Cache Structures
- Measuring the host effect of a Sysplex (i.e. what is parallel Sysplex costing you in CPU?)
- Data Sharing performance
- z/OS System Logger



Workshop Objectives

Parallel Sysplex Performance

Although introduced in the mid-1990s, parallel Sysplex and data sharing are still a driving force at many installations, helping manage the ever-increasing z/OS workload growth. As these continuously available application and database workloads grow, so do the parallel Sysplexes that provide the underlying infrastructure.

If you are already running a parallel Sysplex or are considering one, this portion of the class provides you with the latest performance monitoring and tuning information.

Note: Due to the pace of this workshop, consider this an advanced class.

Class Participation

During this class you will analyze your own data from your Sysplex and Parallel Sysplex environment.

Prior to class you will be requested to send Peter a set of performance measurements. Peter will prepare your data to help ensure your active analysis during the entire week of the class. Peter will be available for one-on-one discussions before class, during breaks, and after class. This class is a productive week of doing as well as learning.

Performance measurements, analysis, and tuning considerations are discussed throughout. A key strength of this workshop is that Peter does not just teach tuning recommendations, but why each recommendation exists. Class materials have extensive notes for later reference.

Workshop Dates and Location and Prices

For dates and locations and prices, please visit www.epstrategies.com for details, or call our office at 813-435-2297.

Workshops are regularly offered in the USA, Europe, Australia, and more if there is interest.

Instructor: Peter Enrico

Having worked extensively in the z/OS performance measurement and tuning area, with the z/OS Workload Manager, and in parallel Sysplex environments, Peter Enrico draws from his wealth of experience to help you understand z/OS and Sysplex performance. Past students are always surprised and pleased with the insights that Peter provides in the class. Peter is an effective instructor that will give you fresh insight to the z/OS and Sysplex environments, and to the performance management of your workloads. In this class Peter will provide instruction in the manner in which he is known - practical information relevant to your jobs and explained clearly.

Contact Peter: Peter.Enrico@epstrategies.com

This workshop is constantly being updated with the latest IBM announcements and the latest performance tuning and management techniques.



For More Information...

For more information on this or other workshops, including prices and locations, please contact:

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www.pivotor.com

Please do not hesitate to call if you would like more information or details on this workshop.

In-house instruction

All workshops are available for in-house instruction. Please contact us for more information for groups of 5 or more interested students.



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- This workshop is currently being rewritten and adapted from the 3–day outline below.
Information and topics to covered are subject to change. •

Workshop Outline

The following is a high-level outline for this workshop. Since the workshop is constantly being updated, actual workshop content and flow may vary slightly from this outline. **Remember, throughout the class you will be actively analyzing your own z/OS, Sysplex, and parallel Sysplex measurements.**

z/OS Performance Overview

- Diagnosing a performance problem: The First Steps
- A top-down approach to z/OS measurement, monitoring, and tuning

Parallel Sysplex, CF, and Data Sharing

- Basic Sysplex
 - Fundamentals of a basic Sysplex configuration
 - Basic Sysplex and XCF performance sensitivity points
 - XCF analysis and tuning considerations
 - In-class analysis of XCF performance measurements using your own SMF data
- Parallel Sysplex
 - Fundamentals of a Parallel Sysplex configuration
 - Coupling facility and structure technology review and update
 - Review of coupling facility and data sharing exploiters
 - Data Sharing
 - Multi-system Management
 - Session/Transaction/Job Management
 - Understanding coupling facility performance measurements
 - Coupling facility performance analysis and tuning considerations
 - Coupling facility structure analysis and tuning
 - List structures - un-serialized
 - List structures – serialized
 - Lock structures
 - Cache structures
 - Data sharing performance considerations
 - Measurement and Tuning the z/OS System Logger
- In-class analysis of coupling facility and structure performance measurements using your own SMF data