

Buffer Pool Tool® Training Class

Responsive Systems is pleased to offer an in-house training class available from **Martin Hubel Consulting Inc.**

Martin is a renowned DB2 expert with decades of experience teaching DB2 classes on all platforms. He consults continually on a worldwide basis, and presents at conferences such as Share, IDUG, IBM IOD conferences, and local user groups.

This class combines both presentation and usage information, using real data from your system to show your staff how to achieve maximum tuning benefits from your Buffer Pool Tool software.

You will find many areas to improve the performance of your systems and applications, find performance problems you did not know existed, and reduce the TCO of your DB2 environment.

It can be combined with additional consulting services to help tune the DB2 systems and applications. The goal of tuning is to reduce at your company, improve throughput, and reduce both transaction and batch elapsed times.

Most companies can achieve six figure per year savings from system and application tuning, and some have achieved seven figure cost savings during a trial of Buffer Pool Tool.

Your staff will immediately be able to utilize Buffer Pool Tool to its full capacities, and will learn a lot about your systems, buffer pool operations, and how your application actually access data.. They will immediately see application performance problems causing heavy scan that eats CPU cycles, DASD performance problems, and memory utilization on the processor.

Classes are available internationally as well as the US and Canada.

Classes can be arranged either through Responsive Systems, or by contacting Martin Hubel Consulting directly at (905) 764-7498 **email:** martin@mhudel.com

www.responsivesystems.com

Tuning Your System with the Buffer Pool Tool for DB2 for z/OS

Buffer Pool Tool is the proven and accepted *industry standard* software for tuning DB2 for z/OS buffer pools. *As the only product that can predict* the effect of sizing and threshold changes, or moving objects into different or totally new pools - it remains the only way to remove the guesswork from pool tuning and guarantee that tuning changes will provide performance gains. Attempting to tune without being able to predict is merely guessing about the outcome - and pool size increases don't always, or necessarily, provide a performance improvement. Since the most important performance metric is the I/O rate/second, Buffer Pool Tool predicts this, predicts the System Hit Ratio, and predicts the working set sizes of all objects at different pool sizes, and/or in different pools.

Introduction and Review of I/O

Logical and physical I/O, synchronous and asynchronous I/O, using memory to reduce physical I/O, paging

Buffer Pool Tuning

Buffer pool page sizes, thresholds, measurements

Tuning methodology

RAMOS and SAMOS, object placement

Overview of the Buffer Pool Tool

Features, function, uses

Data Collection

Functional overview, collection jobs, when to run

Use of the PC Component

Triggers, user-defined functions

Statistics analysis

Pool and object information, expert tuning, scan cost

Simulation

Graph analysis, cluster analysis, working sets

The Buffer Pool Tool Usage Cycle

The DB2 I/O tuning cycle, when and how often to run collections and simulations

Duration: 1 day

Audience: System programmers and database administrators

Prerequisites: Students should have at least three months experience with DB2 or another DBMS and be familiar with z/OS and DB2 concepts

Materials: Students should have their own copy of the Buffer Pool Tool PC component available to them during the class, either installed on their own laptop or another students if sharing is necessary