



Training for the IBM z/OS Problem Determination Tools

Application Performance Analyzer Mentor Workshop

Overview:

Learn to use Application Performance Analyzer (APA) to isolate performance bottlenecks in application programs, to improve response time in online applications, and to reduce batch run times. An experienced IBM consultant will provide in-depth lecture and lead discussion. Instructor-led hands-on lab exercises may be done to gain experience using APA on your system.

Skills Taught:

- Understand the functions and utilities provided by APA
- Isolate performance problems in applications
- Attribute I/O activity, CPU activity, and wait times to modules and application program source statements
- Collect performance data in real time or on a schedule
- Use the real-time monitor to view the performance characteristics of a running application
- Analyze collected performance data after an application has completed

Course Outline:

- Introduction
- The application tuning process
- Entering performance observation requests
 - For an application that is already running, for a job that is not running yet, and based on a schedule
- Viewing analysis reports
- An example of analyzing application performance
- Printing Analysis Reports
 - Compiling programs to use with APA, and working with program source
- Using the Eclipse interface
 - Setting up connections and credentials for the Eclipse plug-in
 - Using the APA Eclipse plug-in to enter observation requests and examine performance reports

Training duration:

4 hours

Prerequisites:

To get the most from this workshop, you should:

- Understand basic application resource usage concepts: CPU time, I/O time, and wait time
- Be able to compile a program and read a compiler listing
- Know how to modify JCL, submit a batch job, and view its output