JPT501 - Performance Tools & Methodology for the J2EE and J2SE

Objectives This course provides an introduction to various types of performance tuning tools such as load testers, JVM profilers, J2EE monitors, JDBC tracers, heap activity viewers and OS monitors. The course shows how to best use these tools to identify and resolve application performance problems. Topics included in the course include;

- Recognize which tools to use to identify bottlenecks in Java applications
- Analyze application performance with performance tools
- Create test cases
- Identify application/database inefficiencies
- Recognize which tools to use to identify bottlenecks in Java applications
- Know how to monitor applications.

This course is intended to provide an overview of a number of tools available to the performance tune applications.

Duration 1 days

Audience Administrators, QA team members, developers, architects, consultants, IT specialists and those with an understanding of developing applications with Java and the J2EE.

Topics Topics

- Basic Tools
  - o Timers & Logging
  - o Common Problems
- Load Testing
  - o Tools
  - o Techniques
- JVM Profilers
- Heap Activity Monitors
- Network Monitoring
- JDBC Tracing
- J2EE Monitoring
- Post-Deployment Monitoring
- OS Monitoring
- Applying combinations of tools to troubleshoot Java performance problems