

JPT520 - Fundamentals of Garbage Collection and Heap Tuning (J2EE and J2SE Edition)

Objectives This one-day course enables participants to quickly understand the factors involved in JVM garbage collection handling and how those factors affect JVM heap space. The course shows how to use various tools to collect and analyze garbage collection statistics in order to optimize application performance by tuning the JVM heap space. The course includes;

- The components of JVM heap space and their relevance.
- How JVM garbage collection works.
- How to gather JVM garbage collection statistics.
- How to interpret garbage collection statistics to identify inefficiencies.
- How to tune the heap spaces for optimal performance.

Duration 1 day

Audience Administrators, QA team members, developers, architects, consultants, IT specialists and those who are working with J2SE and J2EE.

Topics

- JVM memory Spaces
- Object Lifecycles
- Garbage Collection Algorithms
- JVM Command-line Switches
- Memory Profilers
- Understanding GC Log Entries
- Gross-Tuning the Heap
- Heap viewing and analysis tools.