

JProbe®

MANAGE PERFORMANCE. MANAGE RISK.

- **Be proactive, not reactive**
- **Define minimum performance requirements during the design phase**
- **Tune code early and often throughout the development cycle**
- **Manage memory use for high performance**
- **Equip developers with JProbe diagnostic tools to accelerate tuning**

For Java and J2EE business applications, performance is critical. When thousands of users are depending on your application, you can't afford to neglect the issues that can affect reliability and scalability once the application goes live. Nor can you afford to spend more on systems infrastructure than you have to. Often the real culprit behind a poorly performing application is the way the code was originally written, yet many development teams fail to implement best practices in developing for high performance. The bottom line is that you must manage performance to manage risk.

JProbe Suite

JProbe Suite provides powerful Java performance profiling, memory debugging, code coverage and thread analysis capabilities for your application, servlet, JSP and EJB code — in one conveniently integrated suite.

JProbe Profiler

JProbe Profiler combines a visual Call Graph interface and sophisticated data collection technology to provide highly accurate performance diagnostics with method and line-by-line precision.

Key Features

Method and line-level analysis — locate method hotspots and drill down to measure performance line by line

Measure elapsed or CPU time — track end-user perceived performance or computational bottlenecks

Nine performance metrics — identify the real source of performance problems

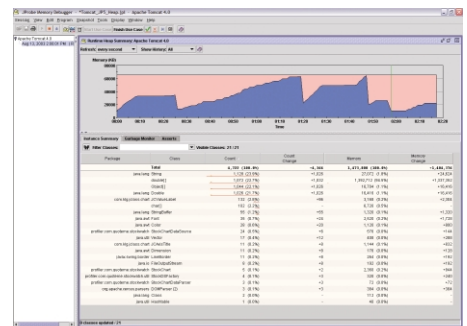
Advanced filtering and triggers — zero in on critical areas of code

Snapshot differencing — identify the impact of code changes on performance

Advanced print and export — print performance analysis as Acrobat PDF; export tabular data to text, HTML or Excel-friendly CSV format

JProbe Memory Debugger

JProbe Memory Debugger helps developers quickly pinpoint memory leaks and object cycling in Java code. Its graphical views on real-time use of memory and objects enable developers to reduce memory consumption and increase application performance.



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Application Server Integration:

- BEA WebLogic Server
- IBM WebSphere Application Server
- Sun ONE Application Server
- Apache Tomcat
- Oracle9i Application Server
- JBoss
- Macromedia JRun

And more.

Integrated Development

Environment (IDE) Support:

- IBM WebSphere Studio Application Developer
- Borland JBuilder
- Sun ONE Studio
- IntelliJ IDEA
- Oracle JDeveloper
- Eclipse

Operating System Support:

- Windows NT/2000/XP
- Solaris
- AIX
- Linux
- HP-UX, 32- and 64-bit
- OS/390, z/OS, Linux on zSeries

JDK Support:

- JDK 1.2.2, 1.3.x and 1.4.x

Note that not all JDKs are supported on all platforms.



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Key Features

Identify Memory Leaks — track memory growth at runtime with easy-to-use 2 button analysis and object thresholds.

Memory Instance Calculator — calculate the size of memory leaks

Intelligent Memory Analysis — pinpoint possible sources of memory leaks with Leak Doctor

Reference Graph and Instance Detail — trace memory use and object references

Tree-based Instance Detail View — quickly trace memory leaks through object references

Garbage Collection Analysis — detect excessively short-lived objects and garbage collection detail

Snapshot Differencing — identify the impact of code changes on memory use

JProbe Threadalyzer

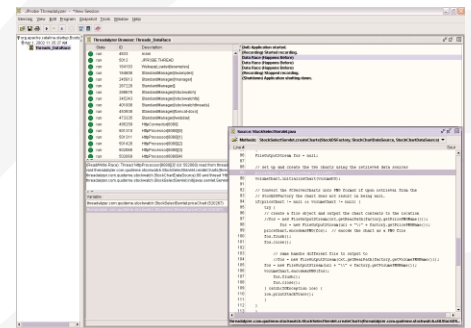
JProbe Threadalyzer is a powerful tool for detecting thread problems such as deadlocks, stalls and race conditions, identifying both actual and potential threading problems that can threaten the integrity of your application data.

Key Features

Graphical Visualizer — observe changes in thread state

Lock Analyzers — anticipate deadlocks and data race conditions before they cause problems

Detect improper synchronization — avoid data corruption



JProbe Coverage

JProbe Coverage helps developers locate unexecuted code and measure precisely those statements that have been exercised, making it easier to assess the reliability and accuracy of test runs.

Key Features

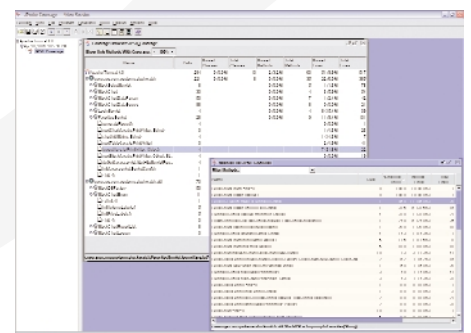
Coverage Browser and Source views — quickly

isolate untested or dead code

Batch Mode — can run in batch mode to integrate easily with nightly build/test systems

Reporting — export coverage snapshot data in XML, Text, Excel-friendly CSV or HTML for custom analysis

Snapshot Merging — merge total coverage data from multiple program runs



JProbe Licensing

Quest Software offers a variety of licensing models for JProbe products, meeting the needs of individual developers, development teams and entire enterprises.

For more information about JProbe, please call 800.663.4723 or visit us at

<http://www.quest.com/jprobe>

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