

## AppPerfect Java Profiler

### Overview

Most of the applications today are designed and developed for simultaneous use by a large number of users. At times there are underlying problems in the code, which may cause error conditions such as Memory leaks, Race conditions, Thread locks and so on which if neglected, stretches the use of resources beyond limits, causing the application to slow down or even crash. Thus, it becomes critical for the developer to ensure that the application is available, reliable, scalable and makes the most optimal use of the available resources.

Faster, efficient and more powerful machines temporarily hide performance and other problems, but errors in code if left unidentified can cause major application as well as system performance issues. To detect such coding faults manually is an extremely tedious, error prone and expensive task. **AppPerfect Java Profiler** is designed to assist you find such errors by profiling your application as well as vital resources of the system on which you are running the application.

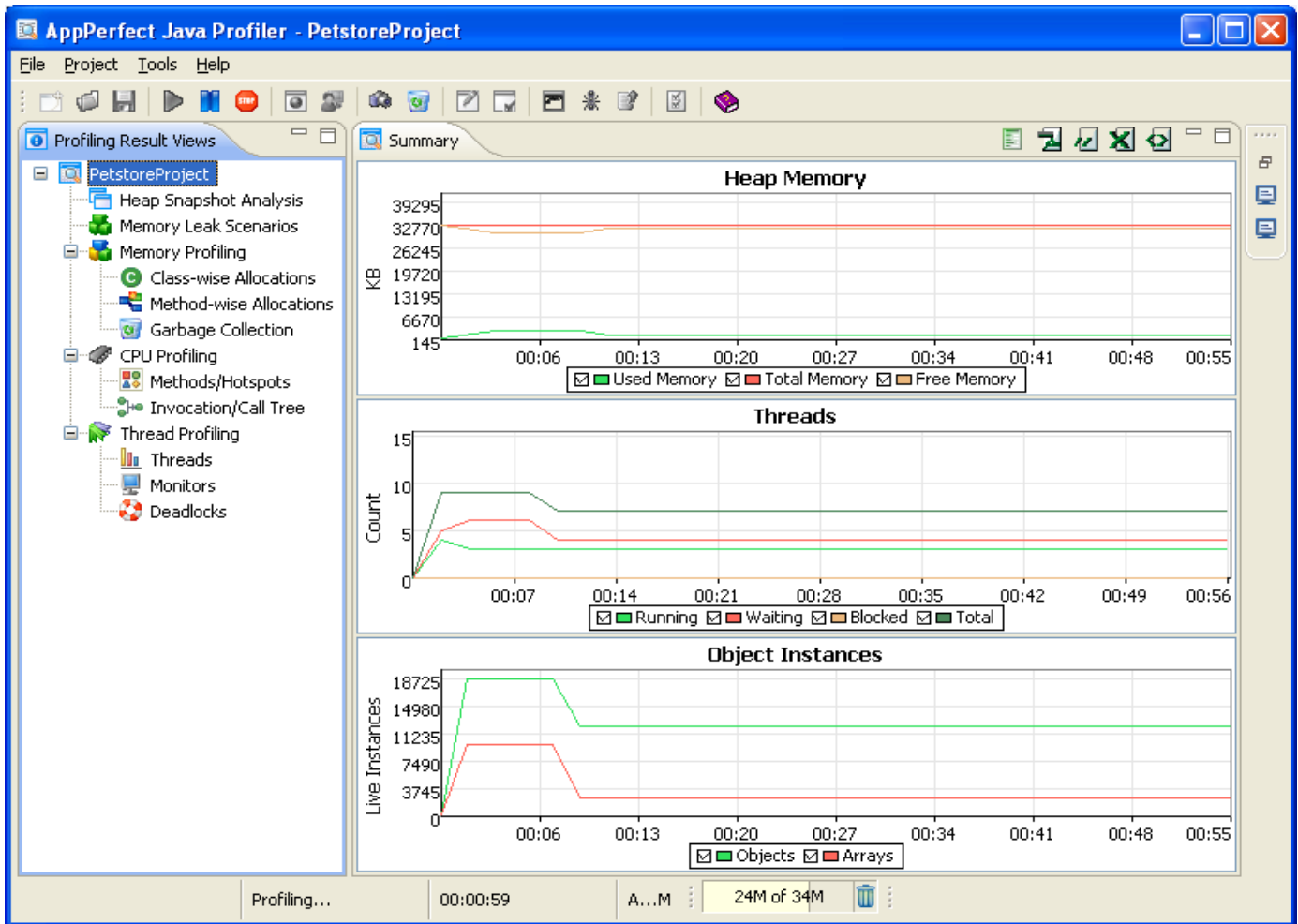
Profiling is the process of monitoring various JVM level parameters such as Method Execution, Thread Execution, Object Creation and Garbage Collection. It will provide you with a finer view of your target application execution and its resource utilization.

AppPerfect Java Profiler eliminates the need to spend long hours going through the code, and pinpoints the problems associated with your application. It provides complete and accurate statistical information that helps you trace coding errors in your application.

AppPerfect Java Profiler helps you diagnose and resolve performance problems, memory leaks and multi-threading problems in your Java or J2EE server applications to ensure the highest level of stability and scalability for your applications. AppPerfect Java Profiler provides you with a root-cause analysis of these problems and helps you resolve them.

AppPerfect Java Profiler provides you a unified view of all resources that is memory, methods, threads and monitors to help you understand your JVM's behavior, performance characteristics etc. to reach to bottom of problem quickly. AppPerfect Java Profiler is a comprehensive Java performance tuning solution with support for Heap Analysis, Thread Analysis, Monitor analysis and Deadlocks detection. It is one of the best and finest profiler available in the large market of profilers.

### Screenshot



## Key Features

- Comprehensive Profiler:** AppPerfect Java Profiler is a comprehensive JVMPI-based profiler for heap/memory analysis, performance/CPU analysis and thread analysis. JVMPI is used for JDKs less than JDK1.5 and for JDK1.5 & above JVMTI is used.
- IDE Integration:** AppPerfect Java Profiler supports IDE integration with most commonly used IDEs. This enhances ease-of-use and productivity. Currently supported IDEs are Eclipse, NetBeans, IntelliJ, JBuilder, JDeveloper and Workshop.
- User friendly UI:** AppPerfect Java Profiler provides easy to use UI with charts, graphs, wizards etc. that help you identify the problems in your application quickly. Reports are available through the UI and can be exported into various formats like HTML, PDF, CSV, XLS, XML etc.
- Dynamic Instrumentation:** AppPerfect Java Profiler uses advanced Dynamic Instrumentation library for extremely low profiling overhead and quick startup time.
- Supports all types of applications:** AppPerfect Java Profiler supports client-side (applications, applets) as well as server-side (EJBs, JSP/servlets) profiling.
- Supports commonly used AppServers:** AppPerfect Java Profiler supports most commonly available Java AppServers: BEA WebLogic, IBM WebSphere, JBoss, Apache Tomcat, Oracle Server, SunOne. It can profile any application or appserver even when its not present in supported list provided proper JVM parameters are passed while starting application or appserver.

## Online Demos

- [Profiling Tomcat Server in Standalone Mode](#)
- [Creating project for Profiling inside Eclipse IDE](#)
- [Memory Profiling of Tomcat Server inside Eclipse IDE](#)
- [CPU and Thread Profiling of Tomcat Server inside Eclipse IDE](#)
- [Finding Performance bottlenecks using Java Profiler](#)
- [Finding Memory leaks using Profiler](#)

## Tutorials

- [Profiling a Server Application](#)
- [Profiling a Desktop Application](#)
- [Profiling Remote Application](#)
- [Profiling WSAD/RAD test server](#)
- [Profiling WebLogic Server](#)
- [Profiling WebSphere Server](#)
- [Memory leak Detection](#)
- [Performance bottleneck Detection](#)
- [Monitor Contention Detection](#)

## AppPerfect Java Testing Services

AppPerfect is more than just your software provider. We can help you implement them. Our team of highly trained experts can shorten implementation time and provide fast results. Our services include:

- "Start Pack": Initial setup and training
- Test Design: Build tests to achieve your functional objectives
- Results Analysis: Analyze results and recommend actions
- Test Automation: Automate tests so they become part of your development process
- Custom enhancements: Extend any AppPerfect product with your needs

Please visit our [Professional Services](#) center for more details

## Supported Products

- JDK : JDK 1.3 and higher, JRocket 1.4.2 and higher, IBM JDK 1.3.1 and higher
- OS : Windows 2000/XP/2003/Vista/Win7, Linux x86, Mac OS X
- IDE : Eclipse 2.1.3 and higher, IBM RAD 6.x and higher, NetBeans 4.0 and higher
- AppServer : Apache Tomcat 4.0 and higher BEA WebLogic 7.0 and higher, IBM WebSphere 5.0 and higher; JBoss 3.0 and higher, OracleAS 10g and higher

## Licensing & Download

A free, limited-feature 15-day evaluation version of the AppPerfect Java Profiler can be downloaded from our [Download Center](#).

AppPerfect Java Profiler is licensed on a per desktop or floating license basis. A desktop license is assigned to a specific machine. A floating license can be shared between multiple machines. A Desktop license is priced at \$299 per license. A Floating license is priced at \$399 per license. Please visit [AppPerfect Sales Center](#) for additional pricing, licensing, maintenance and purchasing information.