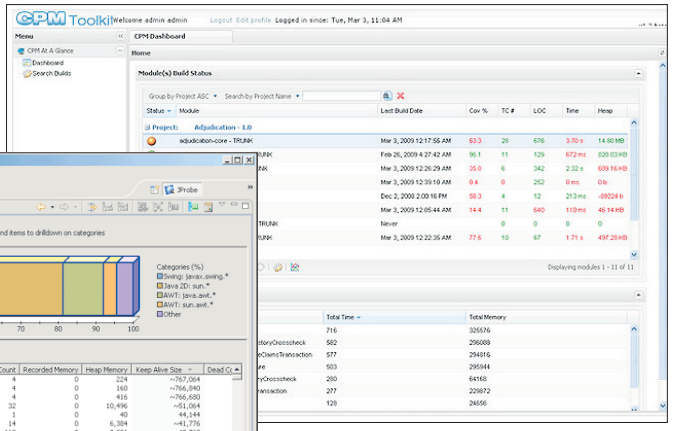
Quest Software's JProbe® and DeCare Systems Ireland's CPM Toolkit

The Right Solution for Proactive, Efficient and Cost-effective Continuous Performance Management in the Development Lifecycle

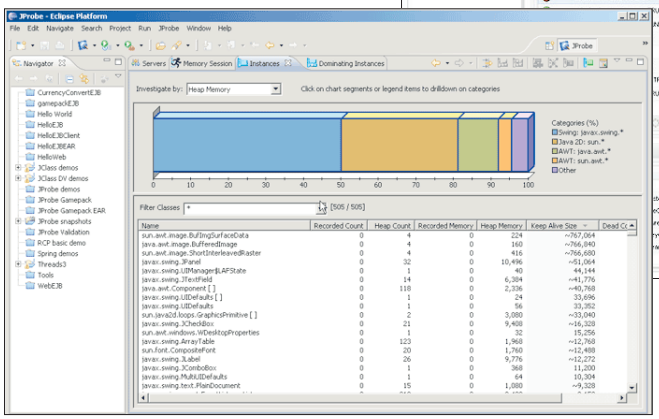
Custom Java applications today must be changed more and more often to meet the demands of the business. The sheer volume of changes makes it difficult to ensure optimal performance without tools to help you. If you don't have a way to identify where problematic code was introduced in the development process, the business is at risk of this code finding its way into production and causing applications to perform poorly. A proactive, efficient and cost-effective approach is combining management and measurement during the development stage with Continuous Performance Management (CPM). The best practices in CPM are essential to delivering high-performing Java application code to production. The right CPM solution will measure and manage performance patterns and interpret the impact of code changes against deviations in the application's performance behavior. That solution is Quest's award-winning Java performance tuning solution, JProbe®, combined with DeCare Systems Ireland's CPM Toolkit.

Joint Solution Benefits

- Resolve performance issues at the development stage, preventing expensive and time-consuming performance tuning in production
- Establish performance benchmarks and easily track performance deviations from build to build
- Prioritize performance monitoring for your development team with JProbe's Analysis Engine
- Obtain visibility across all projects under development with the CPM dashboard
- Achieve cost-effective performance management early in the development lifecycle



DeCare Systems CPM Toolkit brings continuous performance management to JProbe.



JProbe provides intelligent code performance analysis and problem resolution in development environments.

Quest's JProbe is an enterprise-class Java profiler used for intelligent code performance analysis and problem resolution in development environments. JProbe provides deep-level, line-of-code diagnostics on memory, performance and coverage, allowing developers and architects to quickly pinpoint and repair code performance and stability problems that could destroy component and integration integrity.

DeCare Systems CPM Toolkit is a leading solution used for managing and measuring application performance during the development lifecycle. It brings CPM to JProbe by leveraging JProbe as a platform. CPM Toolkit automates the collection of performance data from JProbe's powerful analysis engine, generates benchmarks on where to baseline an application's performance, and notifies users on performance deviations.

How CPM Toolkit Works with JProbe

CPM Toolkit integrates with existing build scripts and inspects the target source code to determine testable and non-testable code. Once it identifies testable code, the CPM Toolkit generates batch unit test tasks

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and executes each unit test through the three JProbe analysis engines. The data is collected, merged and analyzed for deviations before being committed to the CPM Toolkit database. Once it's committed, notifications are sent out to the registered team members for further action if a deviation is observed by the system. Measuring memory usage, code performance and code coverage is a valuable addition to a CPM process, enabling a timely response to any deviation in the build quality. Through a seamlessly integrated solution, JProbe and CPM Toolkit provide a robust performance management solution.

Key Features and Benefits of JProbe and CPM Toolkit

Memory Analysis – Quickly pinpoint and diagnose the root causes of memory leaks and excess garbage collection; locate and repair inefficient code that creates loitering objects (lingering references) and object cycling to prevent out-of-memory system crashes and slow performance.

Performance Analysis – Easily pinpoint and diagnose the root causes of code bottlenecks and thread contentions; locate and repair inefficient code that creates bottlenecks, deadlocks and stalled threads to prevent slow performance and reduced scalability.

Coverage Analysis – Locate untested application code early on in development by precisely measuring those statements and conditions that have been exercised, making it easier to assess the reliability and accuracy of test runs.

Application Performance Profiles – Create performance profiles for each project to measure and compare the unique performance requirements of each application.

Statistical Analysis – Establish standard deviations from performance baselines for each application performance profile; customize algorithms for performance tolerance requirements.

CPM Dashboards – View project performance metrics at a glance and provide project managers with easy-to-interpret data that aids the decision-making process.

Alert Notification – Provide alerts to development team members about potential performance problems, so they can deal with the performance issues early in the development phase—rather than in production.

Role-based Security – Manage multiple, concurrent development projects with a rich, role-based AJAX user interface for viewing relevant project statistics.

Search – Retrieve historical build data, and search across projects, modules and timeframes to capture different data views.

About DeCare Systems Ireland (DSI)

DSI is an enterprise software development company specializing in developing and integrating custom .Net and Java applications. DSI's customers, which include Amazon, Avon, Expedia and a number of large US healthcare insurance carriers, chose DSI because of the company's strong attention to technical excellence and its proven project-delivery skills.

About Quest Software, Inc.

Quest Software, Inc., a leading enterprise systems management vendor, delivers innovative products that help organizations get more performance and productivity from their applications, databases, Windows infrastructure and virtual environments. Quest also provides customers with client management through its ScriptLogic subsidiary and server virtualization management through its Vizioncore subsidiary. Through a deep expertise in IT operations and a continued focus on what works best, Quest helps more than 100,000 customers worldwide meet higher expectations for enterprise IT. Quest Software can be found in offices around the globe and at **www.quest.com**.

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