

Automatic Performance Management in Component Based Software Systems

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Abstract

A framework for automatic performance tuning of component-based enterprise applications is presented. A non-intrusive monitoring and diagnosis module is employed by an application adaptation module that automatically chooses optimal component implementations for different execution contexts. Both modules can optimize their overhead by automatically focusing on the application hot-spots, making the framework suitable for long-running systems. Currently, implementation work is targeted at J2EE systems.

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