



Diagnosing Performance Issues Using Thermostat

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Thermostat Data Analysis Platform

- Collection
- Analysis
- History



Collection

- OS
- Processes
- JVM
- Application Server

Vertical Stack



Analysis

- Comprehensive set of tools for visualisation
 - Charts
 - Graphics
 - Specially designed GUI Widgets
- Offloading analysis process onto Client



History

- Remote Cloud Storage
- Clusters
- Offline Review of Data

Horizontal Stack



Extensible

- Everything is a Plugin
- Each release includes new default plugins
- You can write your own!



Low Overhead

- By default only between 1% and 2%
 - Various benchmarks
- Expensive operations are off by default



Low Overhead

- By default only between 1% and 2%
 - Various benchmarks
- Expensive operations are off by default
- Goal: Full time monitoring



Open Source!

- Get the code, hack on it, make it yours!

<http://icedtea.classpath.org/wiki/Thermostat>

