The External Tools Framework, Performance Tuning and Analysis Tools

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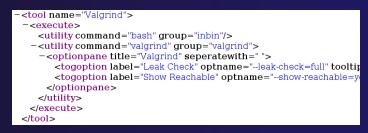
Tools Demo + Q&A

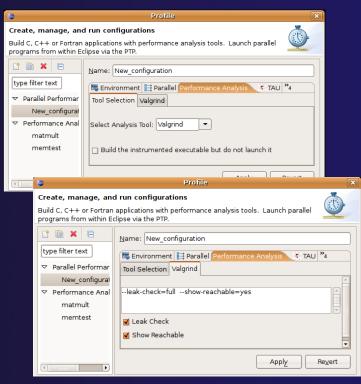
PTP/External Tools Framework

formerly "Performance Tools Framework"

Goal:

- Reduce the "eclipse plumbing" necessary to integrate tools
- → Provide integration for instrumentation, measurement, and analysis for a variety of performance tools
 - Dynamic Tool Definitions: Workflows & UI
 - Tools and tool workflows are specified in an XML file
 - Tools are selected and configured in the launch configuration window
 - Output is generated, managed and analyzed as specified in the workflow
 - One-click 'launch' functionality
 - Support for development tools such as TAU, PPW and others.
 - Adding new tools is much easier than developing a full Eclipse plug-in

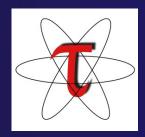




parallel tools platform

PTP TAU plug-ins

http://www.cs.uoregon.edu/research/tau



- → TAU (Tuning and Analysis Utilities)
- First implementation of External Tools Framework (ETFw)
- Eclipse plug-ins wrap TAU functions, make them available from Eclipse
- → Full GUI support for the TAU command line interface
- Performance analysis integrated with development environment

