

Debug Platform / Java Debugger 3.1

it just keeps getting better...

Darin Wright, IBM Rational Software

Debug Platform 3.1: Extensions points and API

- Extension points
 - Breakpoint Organizers
 - Logical Structure Providers
 - Memory Renderings
 - Variable Value Editors
- API Classes/Interfaces
 - Run to line handler
 - Run to line action delegate
 - Abstract debug element
 - Watchpoint

Debug Platform 3.1: Features and utilities

- Features
 - Colors and fonts for debug elements
 - Inserting extra elements into the debug view
 - Launch shortcut key bindings
 - Variable searching
- Utilities
 - Source lookup utility
 - Argument parsing
 - String variable selection dialog

Debug Platform 3.1: Concurrency

- Concurrency
 - Background content providers
 - Actions spawn background jobs
 - Debug event dispatch

Debug Platform 3.1: Console framework

- Console
 - Framework for text consoles
 - Regular expression matching
 - Stream based consoles
 - Console factories
 - Multiple console views
 - Multiplexing output to console and file
 - Support for character encodings

Java Debugger 3.1: J2SE5 + features

- J2SE5 Support
 - API for generic type signatures, enums, varargs
 - Support for evaluations with 5.0 constructs
 - JDI client is 5.0 compatible
- Features
 - Monitor information
 - Java stack trace console
 - User defined logical structures & extension point
 - Default VM arguments
 - Variable editors
- API Classes
 - Java launch delegate