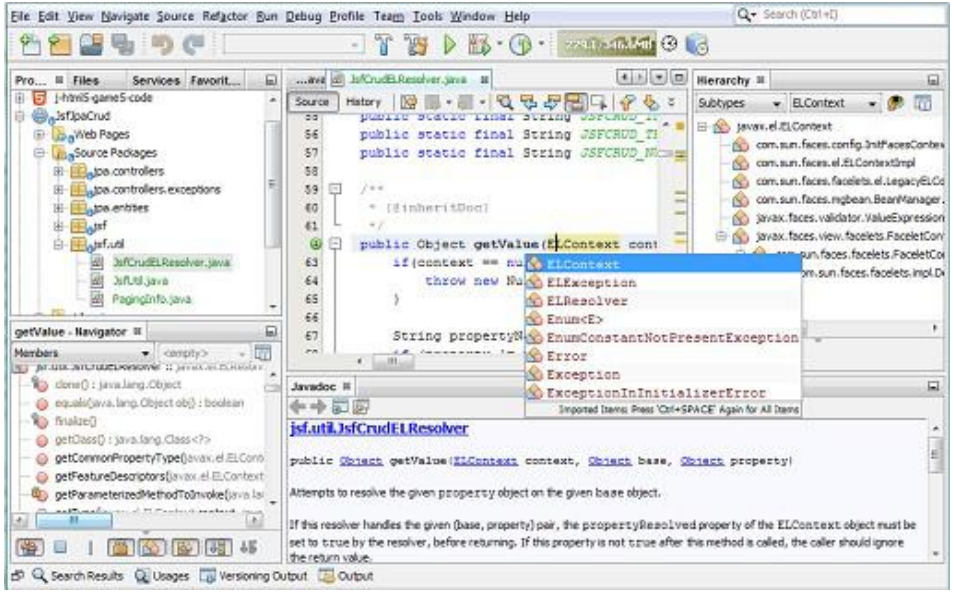
Java™

What's New in NetBeans IDE 7.3

What is NetBeans IDE?

A Comprehensive & Modular IDE

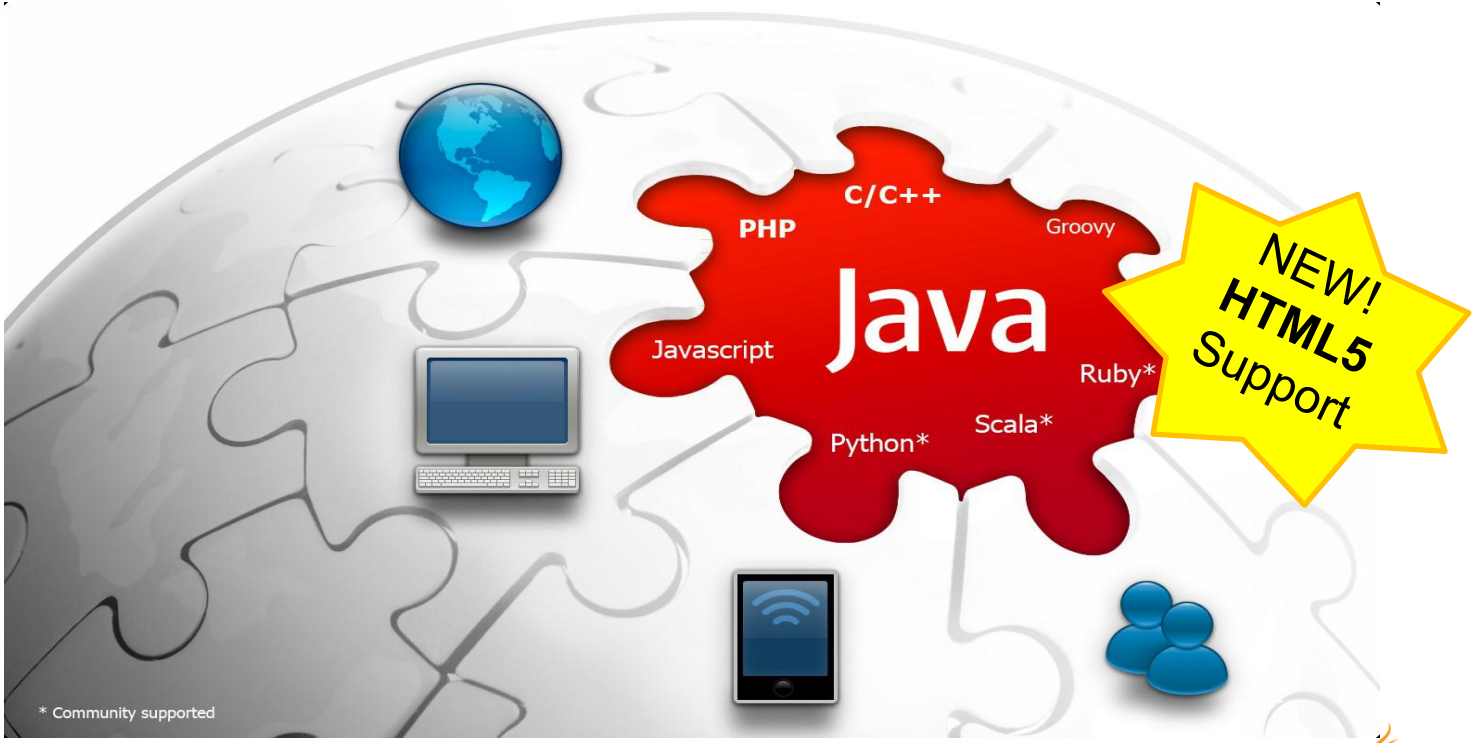
- Ready to use out of the box
- Support for latest Java specifications & standards
- Other platforms too (HTML5, PHP, C/C++)
- Intuitive workflow
- Debugger, Profiler, Refactoring, etc.
- Binaries and ZIPs for Mac OS, Linux, and Windows



Simply download and run on any operating system!

What is NetBeans IDE?

A Comprehensive & Modular IDE



What is NetBeans IDE?

A Comprehensive & Modular IDE

A Thriving Open Source Community

Growing list of 3rd party modules (plug-ins)

Over 20 Million Downloads

Active blogging community

Available in many languages

Why Use NetBeans IDE?

Increase Developer Productivity

- Works out of the box
- Freely available
- Open source
- Support for Java standards & other popular platforms, such as HTML5
- Deeply integrated Maven support
- Extensible Java desktop framework
- Powerful, award winning GUI Builder
- Profiling and debugging tools
- Customizable and extensible

Focus Areas of NetBeans IDE 7.3

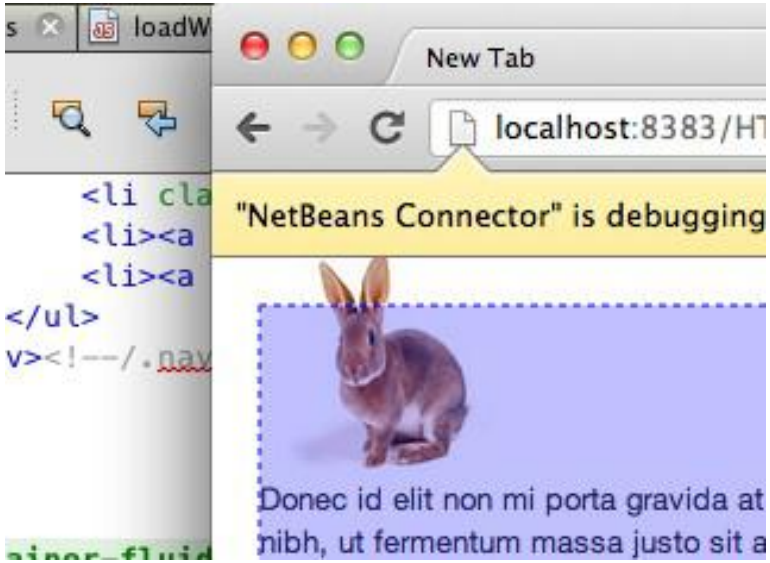
The Smarter and Faster Way to Code

- HTML5 rich client-side web and mobile development
- Java Editor enhancements
- Miscellaneous Enhancements
  - Java EE
  - JavaFX
  - Maven
  - Groovy
  - PHP
  - C/C++

HTML5 Rich Client Development

The Smarter and Faster Way to Code

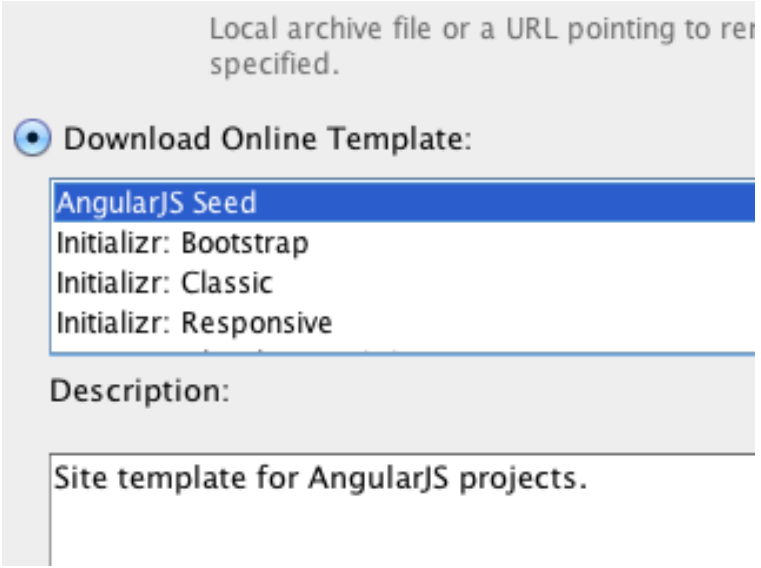
- Accelerated HTML5 Development
- Live Web Preview and Responsive Web Design
- Rewritten JavaScript Editor on Nashorn
- JavaScript Debugger
- CSS3 Editor, Style Editor, and Rule Editor
- Backbone.js Client Generation from Existing RESTful Web Service Project



Accelerated HTML5 Development

The Smarter and Faster Way to Code

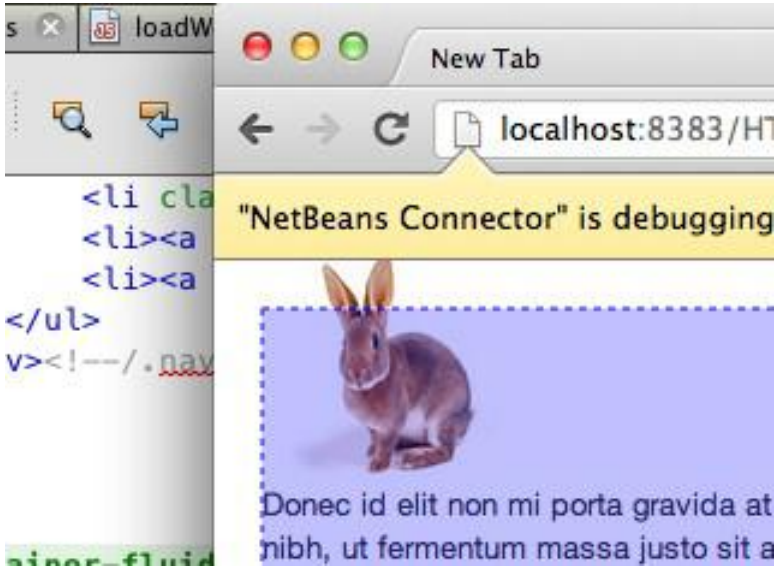
- Create applications from popular templates
- Open existing HTML5 applications
- Open applications from ZIP file
- Use popular tutorial samples
- New JavaScript Library Manager



Live Preview & Responsive Design

The Smarter and Faster Way to Code

- Deep integration with WebKit API
- Integration with embedded browser
- Instant feedback from page design
- Select in browser, see related code in IDE, and reverse… without needing to save
- Multiple form factors, e.g., desktop or mobile, in browser



JavaScript Editor on Nashorn

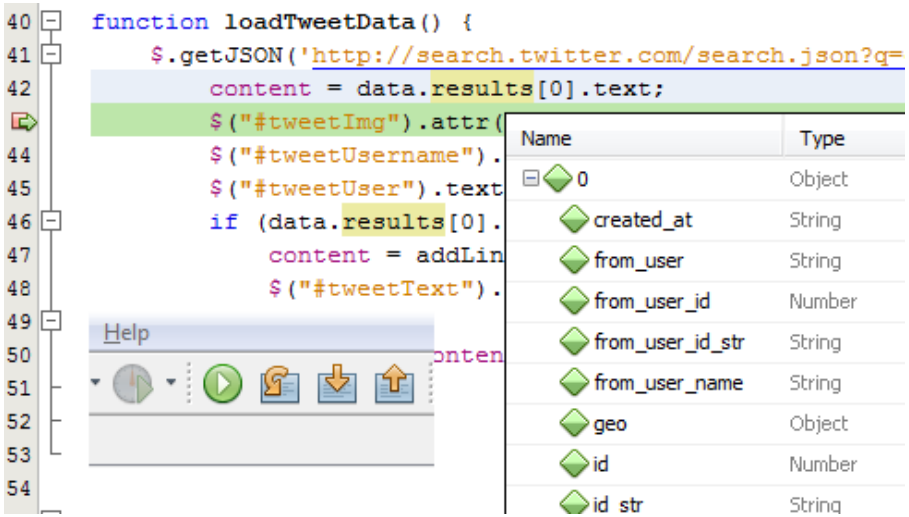
The Smarter and Faster Way to Code

- Early build of Nashorn used for parsing
- Syntax coloring, code completion, pattern recognition, jQuery, and JSON
- JavaScript refactoring
- Many customization settings in Options window

JavaScript Debugger

The Smarter and Faster Way to Code

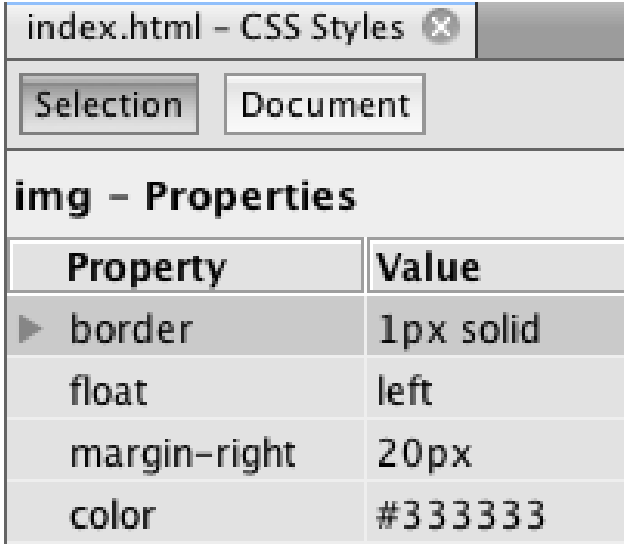
- HTML5 applications are automatically in debug mode
- Set breakpoints in JavaScript file, on Line, DOM, Event, or XMLHTTPRequest
- Refresh the browser and immediately you can step through code
- Use Debugger windows to monitor watches, threads, and breakpoints



CSS3 Editors

The Smarter and Faster Way to Code

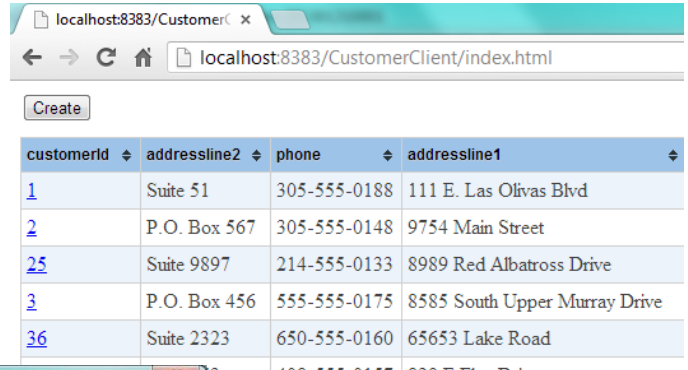
- Inspect and edit CSS from CSS Styles window
- Inspect styles applied to HTML elements in Navigator window
- Change in CSS Editor is immediately reflected in the browser

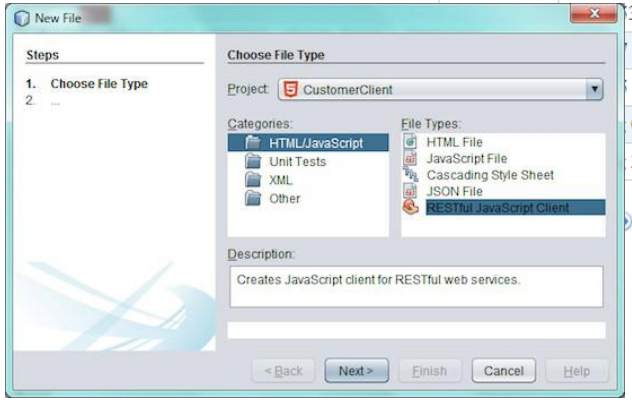


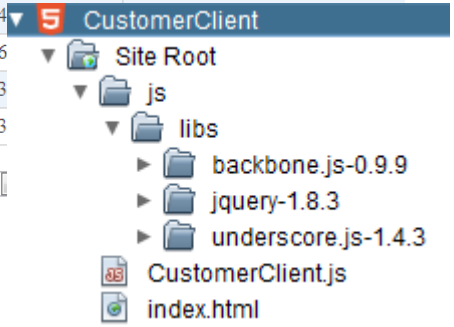
Backbone.js Client Generation

The Smarter and Faster Way to Code

- Create or open an HTML5 application
- Generate a Backbone.js frontend from RESTful web services
- JavaScript file with HTML file is generated and can immediately be opened in the browser
- Expose a database in an HTML5 application within 5 minutes







Community Feedback

The Smarter and Faster Way to Code

Andrea Panisson @andypanix Feb 11
The new support for HTML5 projects in NetBeans 7.3 is really cool!
bit.ly/14N8vzK

Shorty Dre 8) @StrictlyGeeky Feb 16
I am already in love with **Netbeans** RC2. I cannot wait for the official release. #Web #Dev #**Netbeans** #**HTML5**

John Yeary @jyeary Feb 1
@NetBeans 7.3 RC1 is smooth. Its new editor found some HTML/JS errors in existing files that were previously undetected. Very cool.

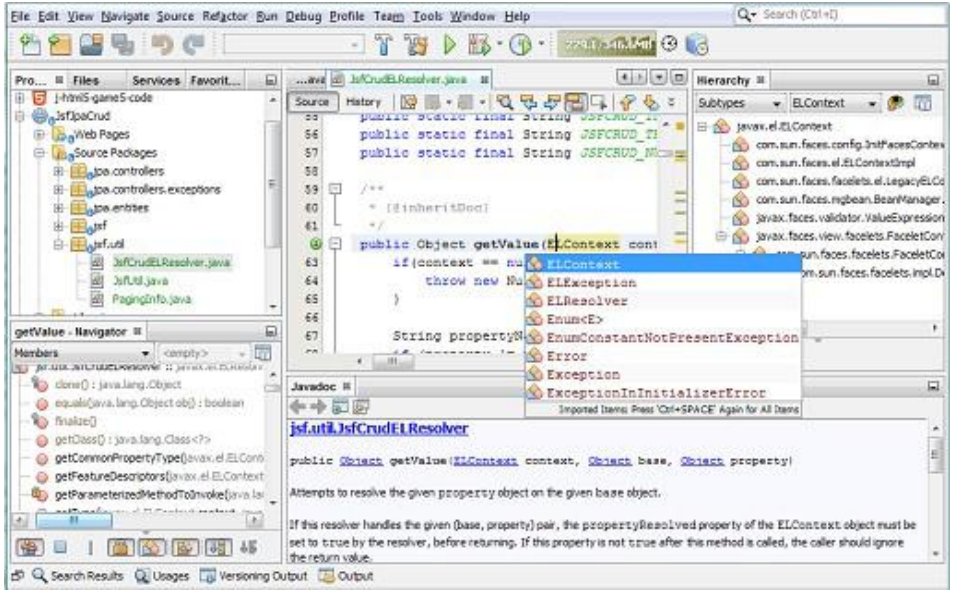
Bruno Borges [] @brunoborges Jan 28
By the way #**NetBeans** 7.3 RC1 comes with Project #Easel! Debug HTML5 and **JavaScript** apps between NB and your browser!
netbeans.org/community/rele…

JavaScript News @javascript_news
NetBeans 7.3 will have first class support for HTML5/**JavaScript**/CSS3 bit.ly/Uj4x0g

Be More Productive When Coding

Improved Java Editor

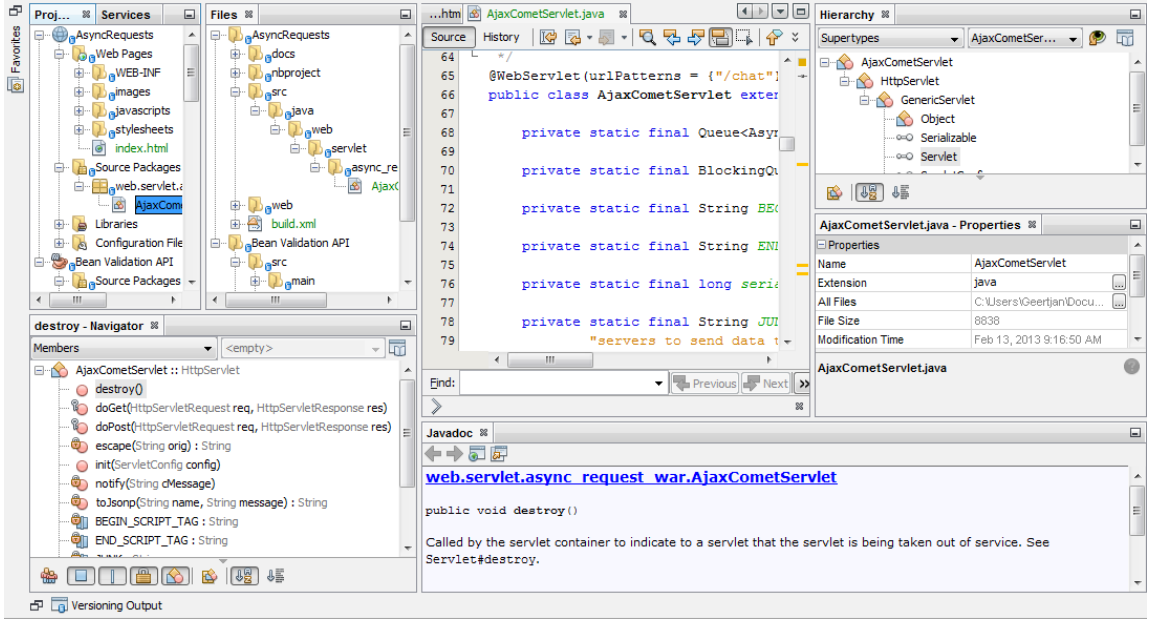
- Java Editor is main feature of NetBeans IDE
- Developed in close co-operation with Java SE Team
- First editor to support Java technologies, e.g., Java, Java EE, JavaFX
- “javac” is our parser, all language features are always in sync with Java



Improved Java Editor

Enhanced Code Navigation

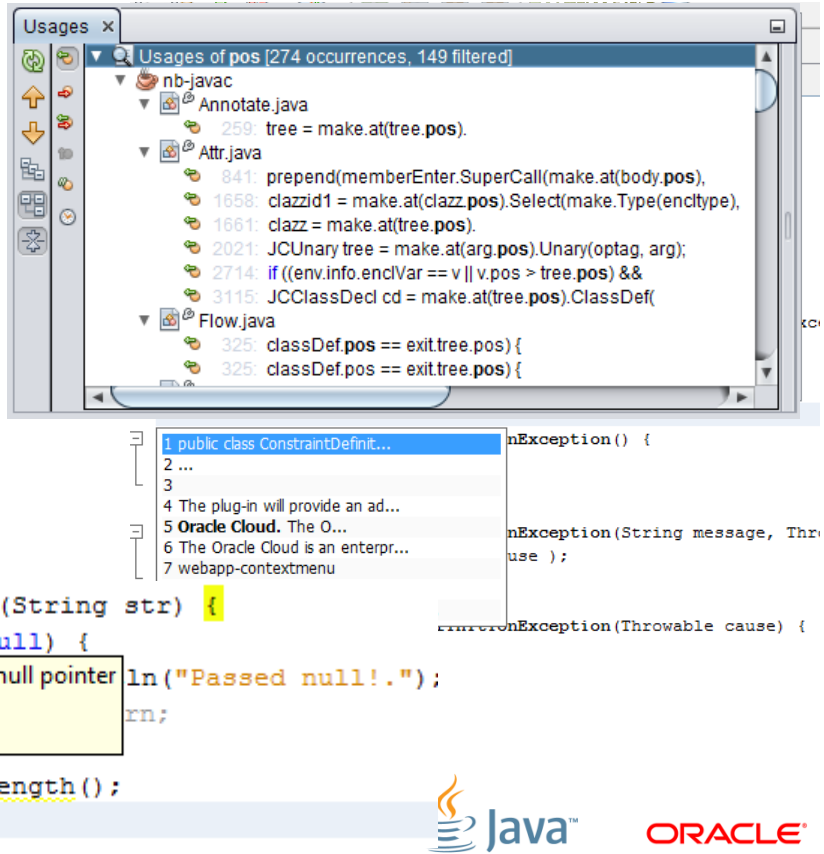
- Rewritten Hierarchy window for supertypes and subtypes
- New Breadcrumb Toolbar beneath editor
- New Brace Matching Bar above editor



Improved Java Editor

Enhanced Tools

- Access to clipboard
- Specify “save actions” to be performed when files are saved
- New hints and refactorings, e.g., identify potential NullPointerExceptions
- Find Usages filters



New Features & Enhancements

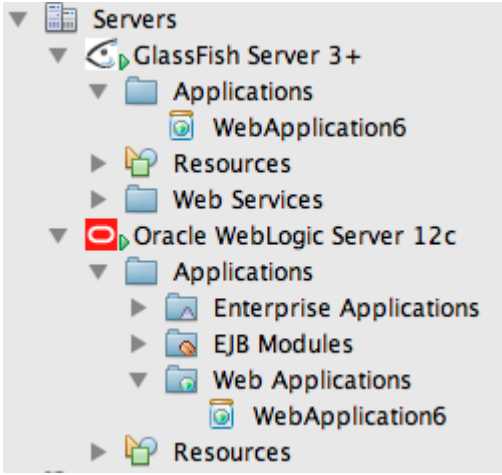
The Smarter and Faster Way to Code

- Java EE
- JavaFX
- Maven
- Groovy
- Profiler
- PHP
- C/C++

Support in NetBeans for Java EE

Out of the Box Java EE Support

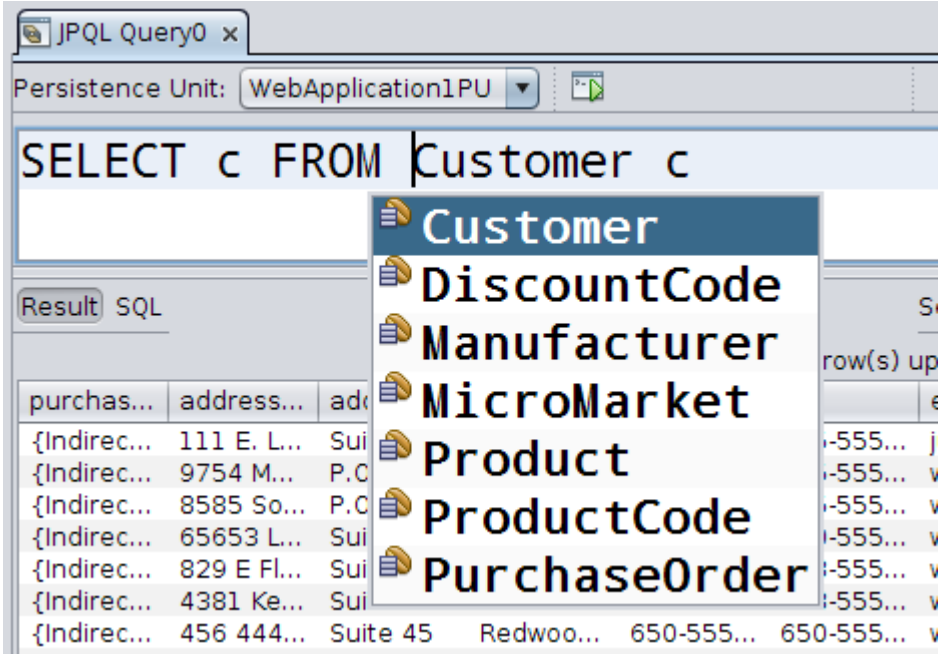
- Developed in close co-operation with GlassFish and WebLogic teams
- Best in breed GlassFish integration, strong support for WebLogic and other servers
- First day support for standards, e.g., Java EE 6
- Ready to use out of the box



New in Java EE

Out of the Box Java EE Support

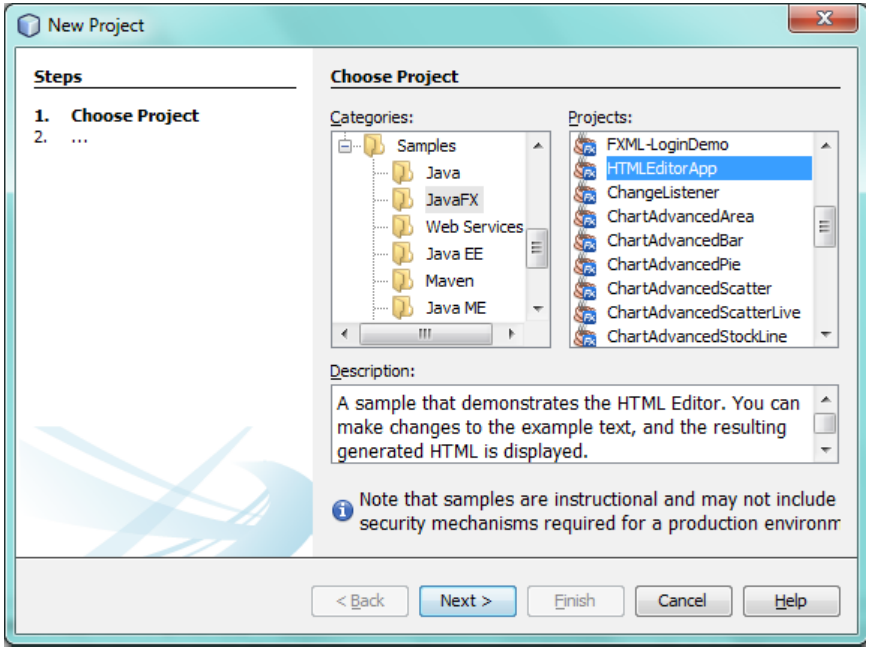
- JPQL Query Tester
- From RESTful Web Services to JavaScript without coding
- Groovy integration



Support in NetBeans for JavaFX

Out of the Box JavaFX Support

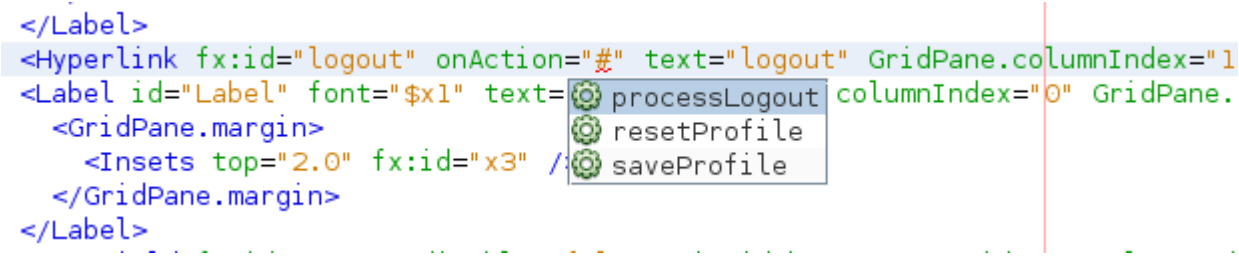
- First IDE to provide JavaFX tools
- Developed in close co-operation with the JavaFX team
- Supports create, edit, compile, deploy cycle
- Integrated with Scene Builder
- Library of ready to use samples out of the box

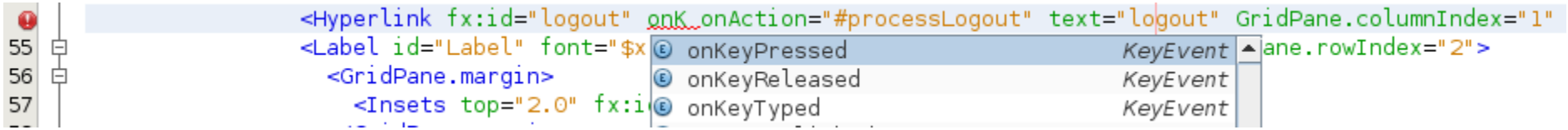


New in JavaFX

Out of the Box JavaFX Support

- Code completion for FXML Source Editor
- Generate controllers or update existing controllers
- Partial validation with error hints
- JavaScript event handler syntax colors and code completion





New in Maven

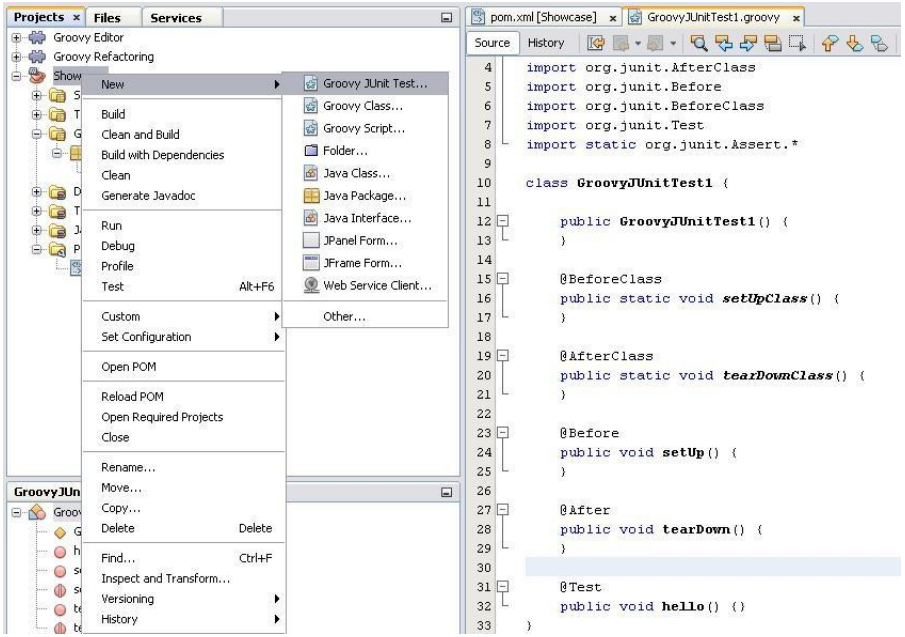
Out of the Box Maven Support

- Less memory needed for Maven projects
- Effective POM tab shows origin of elements
- Code Generator for POM files to generate license headers

New in Groovy

Out of the Box Groovy Support

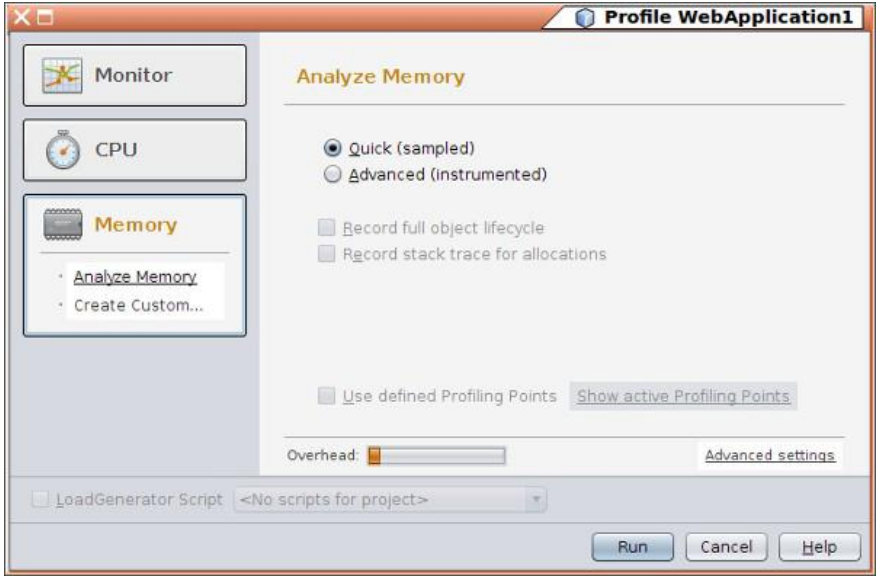
- Groovy 2.0.5
- Integration with Java EE
- Groovy JUnit
- Find Usages
- Rename Refactoring



New in the NetBeans Profiler

Out of the Box Java Profiler Support

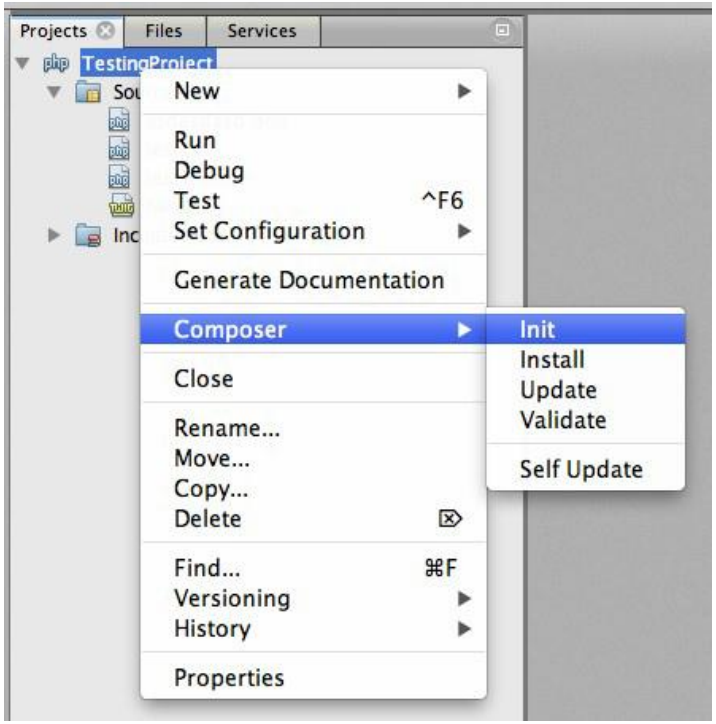
- Simplified memory profiling
- Memory profiler provides sampled histograms of live objects
- CPU snapshots can be compared, just like memory snapshots



New in PHP

Out of the Box PHP Support

- Composer integration
- Detect and resolve memory problems
- Enhancements for
  - Smarty
  - Twig



New in C/C++

Out of the Box C/C++ Support

- **Memory usage improvements.** Requires 2x less memory for big projects.
- **Parser.** Speed and scalability improvements.
- **Relocatable Index.** Project index may be kept with the project metadata and used when project is moved.
- **VCS Ready Projects.** Major improvements in how projects are stored.
- **Breakpoint Groupings.** Per file, per project, per type.

Java™ ORACLE®

Next Steps

1. Download Netbeans IDE

2. Create a user account

3. Participate in NetBeans community

4. Blog about NetBeans

Resources:

- NetBeans product site: http://netbeans.org
- NetBeans wiki: http://wiki.netbeans.org
- NetBeans blog aggregation: http://planetnetbeans.org

Oracle Technology Network

For Java Developers

Resources for You

- Technical Content on oracle.com/technetwork/java
- *Java Magazine* (100K subscribers)
- Java Developer Newsletter (700K subscribers)
- Free Developer Days events.oracle.com
- Project space on java.net (7K+ projects)
- @java, Facebook/IloveJava

Path to Recognition

- Content by You!
- Send links to blogs, videos, and proposals for articles to otnfeedback_us@oracle.com

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