

# Web Tier in NetBeans 6.5 and Beyond

NetBeans Team  
Sun Microsystems, Inc.

Development Simplified. Java, PHP, Ruby, JavaScript, Groovy, C/C+



# The NetBeans Team

Arseniy Kuznetsov – Director, NetBeans Engineering

John Jullion-Ceccerelli – NetBeans Web Tier Senior Manager

Mark Dey – NetBeans Web Tier Engineering Manager

Tori Wieldt – NetBeans Marketing Manager

# Agenda

Intros and NetBeans 6.5 Overview – Tori Wieldt (15 minutes)

NetBeans 6.5 Web Tier and Beyond – John Jullion-Ceccerelli (15 min)

Q & A – All (30 minutes)

# NetBeans 6.5 Highlights

- PHP Support
- JavaScript and Ajax
- Java EE & Web Development

# NetBeans 6.5 Highlights

- **PHP Support**
  - > Code Completion
  - > Quick Fixes and Semantic Checks
  - > Code Generator
  - > FTP Support
  - > Debugging with Xdebug
  - > Support for popular Web Services

# NetBeans 6.5 Highlights

- **Improved JavaScript and Ajax support**
  - > Debugging support for Firefox and IE
  - > JavaScript Editor, Debugger and Library Manager
  - > Bundled with popular libraries (Yahoo UI, jQuery, Dojo, Scriptaculous)
- **Other Languages**
  - > Groovy (new)
  - > Ruby (improved)
  - > C/C++ (improved)
- **GlassFish v3 Prelude**
  - > Support for scripting, including JRuby

# NetBeans 6.5 Highlights

- **Java SE**
  - > Automatic Compile on Save
  - > Improved Eclipse project import and synchronization
  - > New multi-threaded debugging with improved UI and work-flow

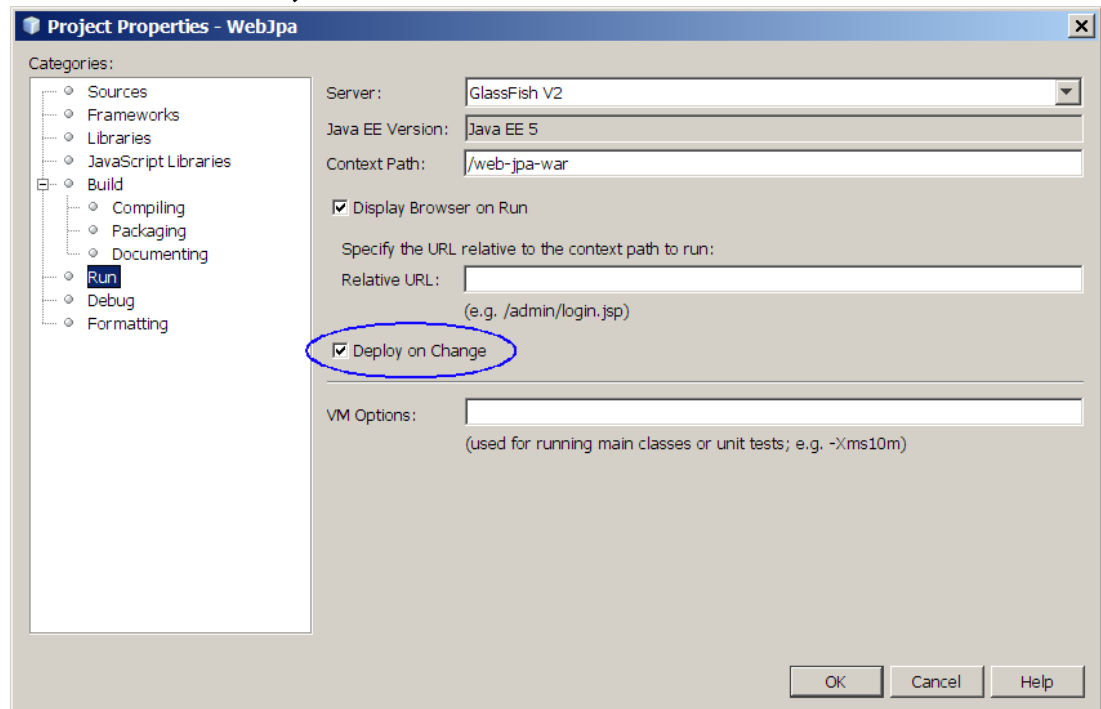
# NetBeans 6.5 Highlights

- **Java EE & Web Development**
  - > Enhanced support for Spring, Hibernate, JSF, JSF CRUD generator, JPA (Java Persistence API)
  - > Create RESTful web services from database tables or from JPA entities
  - > SQL Editor Improvements (code completion, save/recall queries, and more)
  - > Improved Eclipse project import and synchronization for Java Web projects
  - > Automatic Deploy on Save



# Deploy on Change

- Instantly redeploys Java EE application when a change is made - JSP file, Java classes (from 6.5)
- Available for web and EJB applications
- Currently supported for Tomcat, GlassFish V2 and GlassFish V3



# Web Tier: NetBeans 6.5 and Beyond

# Project Woodstock Status

- Sun development of new features stops with 4.2
- Visual Web in 6.5 still a powerful approach to web applications
  - > Sun will continue to support customers that build on 4.2
- Transition of Woodstock from Sun-developed project to a true community-driven open source project
  - > Source code available on java.net project
  - > We're here to help
- Obvious work to be done
  - > Firefox 3 problems to be solved

## Other Frameworks

- Some customers will want to transition off of Woodstock
- We're working with partners to provide an official migration path
  - > Goal is project-level co-existence of Woodstock with other framework
  - > No need to rewrite all of your existing pages, just use new framework on new pages
  - > Probably won't be page-level co-existence

## Future Directions

- NetBeans 7.0 will focus on the editor
  - > Best-in-class editing, navigation, refactoring
  - > Seamless integration of features across technologies
- Re-evaluating visual web design
  - > Don't want to lock users into one framework or technology
  - > Want to support solutions that give users maximum control over their code

# Q & A

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