

SD West 2006 NetBeans Day


Sang Shin, sang.shin@sun.com
Sridhar Reddy, sridhar.reddy@sun.com
Tim Boudreau, tboudreau@sun.com



Quick Introduction of Speakers

- Sang Shin
 - > Java technology evangelist
 - > Teach Java, J2EE, Web services courses
- Sridhar Reddy
 - > Java technology evangelist
 - > Frequent speaker on Java technology
- TimBoudreau
 - > NetBeans evangelist
 - > Member of original NetBeans development team


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Schedule of the Day

- 08:30am-09:15am: [Introduction to NetBeans](#)
- 09:15am-10:00am: [NetBeans GUI Builder \(Matisse\)](#)
- 10:00am-10:15am: Coffee break
- 10:15am-noon: [Plug-in development, NetBeans Platform](#)
- noon-01:30pm: Lunch
- 01:30pm-02:15pm: [JavaServer Faces \(JSF\), Struts, and AJAX](#)
- 02:15pm-03:15pm: [NetBeans Profiler](#)
- 03:15pm-03:30pm: Coffee break
- 03:30pm-04:30pm: [JMX Monitoring](#)
- 04:30pm-05:00pm: [Collaboration](#)
- 05:15pm-06:00pm: [Web services \(Optional\)](#)

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Quick Introduction to NetBeans



What Is NetBeans?

- Free and open-source based
 - > Open source since June, 2000
 - > Large community of users and developers
- A comprehensive, modular Java IDE
 - > Large set of 3rd party modules (plug-in's)
- A platform for building non-IDE applications
 - > For building rich client Java applications
 - > Provides a rich framework of windows, menus, tool bars, actions

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NetBeans Resources

- Home site
 - > <http://www.netbeans.org>
- Master index of all tutorials/articles/hands-on labs/forums
 - > <http://www.javapassion.com/netbeans/masterindex.html>
- **Demo**: Browse through various tutorials in the above link

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Why use NetBeans IDE?

- It is all about developer productivity!
 - > Very easy to use, intuitive
- Out of the box support for J2ME, J2SE, J2EE application development
 - > No need to search and download plug-in's
- Open Source
 - > Free
- Pure Java
 - > No native code (No native SWT as in Eclipse)

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Innovation Matters: NetBeans 4.x

- Ant-based project system
 - > Project meta data is in the form of Ant build script
 - > Project development life-cycle managed from both within IDE and command line
 - > Versionable, sharable
- Visual J2ME application development
- First IDE that supports J2SE 5.0
- JSP debugging, and many more

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Innovation Matters: NetBeans 5.0

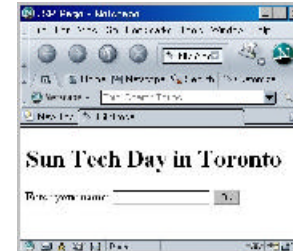
- Matisse: New GUI Builder
- Developer collaboration
- Application profiling
- Plug-in (module) and rich client application development wizard
- Struts and JavaServer Faces support
- CVS enhancements
- Enhanced refactoring, editor features
- JBoss 4, WebLogic 9 support

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Lab 1: Develop "Hello World" Web app

- Two JSP pages: index.jsp & response.jsp
- One JavaBean: NameHandler.java



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Lab 1: Features Exercised

- Create a new Web application project
- Using HTML palette to create JSP pages
- Build and run the project

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Lab2: Exercise more basic IDE Features

- JSP, Java code error checking
- JSP, Java code completion
- More refactoring (13 of them now)*
- Error stripe*
- Code template*
- CamelHump completion*
 - > `ISR <ctrl-space>` results in `InputStreamReader`
- Context sensitive JavaDoc

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Lab2: Exercise Code Navigation

- Go to class (Alt+Shift+O)
 - > Place a cursor to a class with CTRL key down
- Select document in
- Hyperlinking
- Jump list (Alt+K, Alt+L)
- Bookmarking
- Select a tab

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Lab2: Debugging, Testing, HTTP Monitoring

- JSP page debugging
 - > You don't have to debug the generated servlet code
- JUnit support
- HTTP monitoring
 - > Edit and replay

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Lab2: Enhanced Project Management

- Copy, Rename, Delete NetBeans Project*
- Leverage "Existing sources" option
 - > You can create a NetBeans project from pretty much any existing Web application code
- Import Eclipse Project

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Thank You!