



## Web Services with Netbeans 6.0

**Your Name**

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Sun Campus Ambassador  
Your Email Address



## Agenda



What is Netbeans?

Java EE 5 Support

What is Web Services

Web Services Demo!

What To Do/Where To Go

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Slide 1: title and presenter's name

Slide 2: topic intro - what product/technology is

Slide 3: topic intro - who is the target market (be very as specific

as possible: e.g. geo, developer type, etc.)

Slide 4: demo

Slide 5: certification

Slide 6: call-to-action

Slide 7: resources: (URLs, where to go/who to call for more information, etc.)



## What Is NetBeans?

- A comprehensive, modular Java IDE
  - > Out-of-box support for Java SE, Java EE, Java ME
  - > Large set of 3rd party modules (plug-in's)
  - > Intuitive drag-and-drop development
  - > Debugger, Profiler, Refactoring, etc...
- Free and open-source based
  - > Open source since June, 2000
  - > Large community of users and developers
- A platform for building applications
  - > Rich client Java applications
  - > Rich framework of windows, menus, tool bars, actions





## Out of the Box Java EE 5 Support

- Web application development (+)
- Java EE 5 Support (+)
- Debugging, testing, profiling
- Struts and JavaServer Faces (JSF)
- JBoss 4, WebLogic 9, WebSphere
- Web services development (client + service) (+)
- AJAX app development (Blueprints)
- EJB application development

(+) Will see demo later in this session



## What's New In NetBeans 6.0?

- Code editor enhancements
- Ruby, JRuby, & Ruby on Rails support (\*)
- Easier installation and upgrading
- Swing GUI data binding (\*)
- Integrated profiling, profiling “points” (\*)
- Integrated visual web features (\*)
- Mobility graphical game builder (\*)
- SOA & UML enhancements
- Netbeans platform enhancements

(\*) Topic of an additional tech demo session





## What is a Web Service?

- A software application identified by a URI.
- Its interface is defined by an XML document
- It communicates using XML-based messages via standard Internet protocols.
- Programming language independent.
- It is dynamically located and assembled.
- It is based upon industry standards (W3C).

*(From "Web Services and SOA Programming (with Passion!) Hands-on Online Course" by Sang Shin, Sun Microsystems, Inc.)*



## Why Web Services?

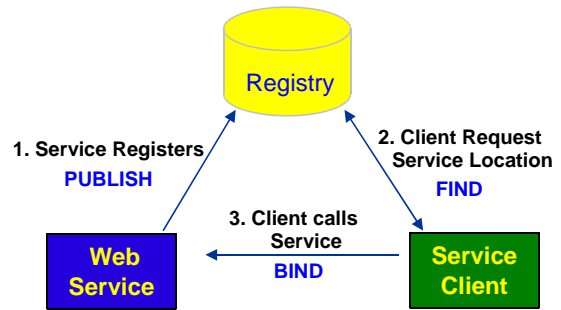


- Interoperable
- Economical
- Automatic
- Accessible
- Available
- Scalable

(From "Web Services and SOA Programming (with Passion!) Hands-on Online Course" by Sang Shin, Sun Microsystems, Inc.)



## Web Services Architecture (Simple)



*(From "Web Services and SOA Programming (with Passion!) Hands-on Online Course" by Sang Shin, Sun Microsystems, Inc.)*







## Web Services Standards

- **SOAP** – Simple Object Access Protocol
- **WSDL** – Web Services Description Language
- **UDDI** – Universal Description, Discovery and Integration
- (and many more... ebXML, BPSS, CPP/CPA, BPML, WSFL, XLANG, WSCI, BPEL4WS)

*(From "Web Services and SOA Programming (with Passion!) Hands-on Online Course" by Sang Shin, Sun Microsystems, Inc.)*



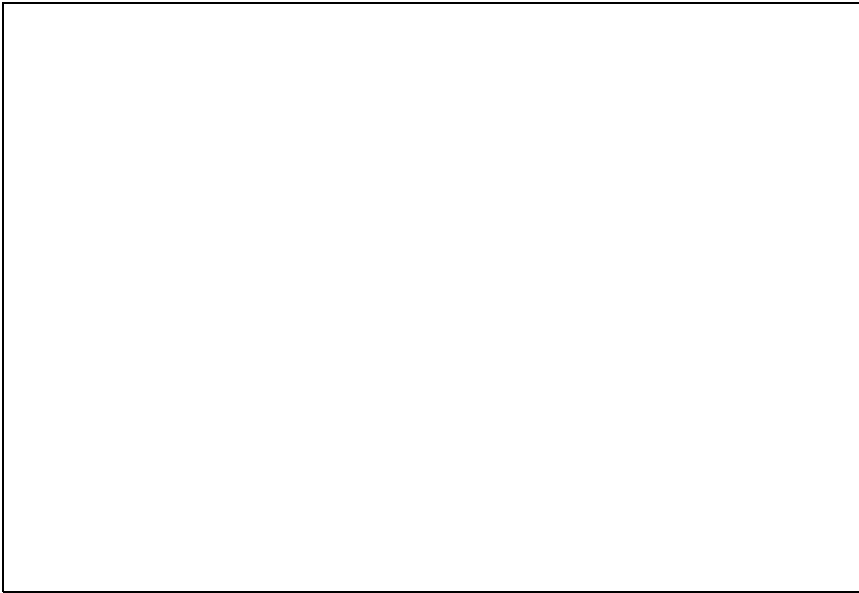


## Java APIs for Web Service Standards

- SOAP Messaging
  - > JAXM (JSR 67), SAAJ, JAX-RPC (JSR 101), JMS
- WSDL
  - > Java API for WSDL (JSR 110)
  - > JAX-RPC (JSR 101)
- UDDI
  - > JAXR (JSR 67)
- Java EE 5!
  - > Web services framework, Java XML security, Java web services security

*(From "Web Services and SOA Programming (with Passion!) Hands-on Online Course" by Sang Shin, Sun Microsystems, Inc.)*





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**The best enterprise OS on the planet.**

**The TCP/IP stack has been reworked for both performance and security.**

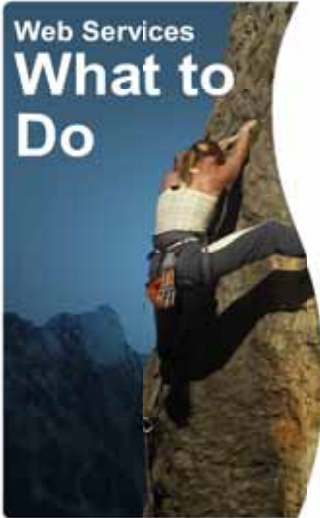
**Soundbite: Solaris 10 can run on more than 799 different systems, including those from Dell, HP, and IBM. No other enterprise class UNIX can do this. It's the result of a 1/2 Billion investment and 3000 engineers.**

**500,000 downloads in the first 10 days, a download/second!!!!!!**

**2/3rd of downloads were X86**

Web Services

# What to Do



- Download Netbeans 6.0
- Join Netbeans.org project
- Do Netbeans tutorials
- Participate on Netbeans forums
- Create a cool web service!

<http://www.netbeans.org>



## Netbeans 6.0 Resources

- Netbeans Product Site: <http://www.netbeans.org>
  - > Download: previews, current & past releases of IDE, plugins
  - > Learning: tutorials, technical articles, flash demos
  - > Community: latest news, forums, events, mailing lists
- Netbeans Wiki: <http://wiki.netbeans.org/wiki/>
  - > Open-source documentation site for Netbeans
- Visual Web FAQ
  - > <http://wiki.netbeans.org/wiki/view/NetBeansVWPUUserFAQ>
- Planet Netbeans: <http://www.planetnetbeans.org/>
  - > Aggregate for all Netbeans-related blogs
- Source Code: <cvs.netbeans.org/cvs>
  - > CVS source code access for Netbeans platform + IDE





## Fast Track Your Career with Sun!

- Get **FREE** Web-based training on Java™, Solaris™ & more!
  - > Visit: <http://www.sunacademic.com>
  - > Course registration code for ABC University is XYZ
- Increase earnings potential with a Sun Certification!
  - > Sun Certified Associate/Programmer for the Java 2 Platform SE
  - > Sun Certified Web Component Developer for Java EE
  - > Sun Certified Mobile Application Developer for Java ME
  - > Sun Certified System/Network Admin for Solaris Operating System
- Free practice exams
- Discounted exams fees for academic developers – only US\$60  
(US\$40 in APAC and Latin America)



- **In order to land high paying jobs, students need to find ways to differentiate themselves from other recent graduates.**
- **Through the Sun Academic Initiative, Sun offers free training that will help you fast-track your career.**
- **As an example, a recent article in [CIO Magazine](#) included the Sun Certified Programmer for Java 2 platform and the Sun Certified Systems Administrator for Solaris as two of the hot certifications that are able to demand higher wages.**
- **Refer to the hand-out with instructions for online registration and certification exams.**



**Web Services with  
Netbeans 6.0**  
<http://www.netbeans.org>

**THANK YOU!**

Your Name Here  
Sun Campus Ambassador  
Your Email Address Here

