

# **NetBeans 5.5, Java EE 5 and GlassFish**

Sun Microsystems, Inc.

# Agenda

- NetBeans 5.5 Java EE Features
- Plugin Feature Overview
- Installation and Running
- Community
- Filing Bugs

# NetBeans 5.5 Java EE Features

- Web Services Support
  - Creating a Web Service Implementation
  - Testing Web Service
  - Web Service Client Development
- EJB Development
  - Session Bean Development
  - Using an EJB from Java code
- JPA Entity Classes
  - Create Entity Classes from Database
  - JSF CRUD
- Q&A

# Plugin Feature Overview

- Plugin Properties
- Server Registration and Management
- Application and Module Management
- Resource Definition, Registration, and Management
- Java DB Integration
- Project Actions
- Server Specific Descriptor Editing
- Zero Configuration

# Plugin Properties

- Navigation
- Properties
  - Logging Level
    - allows the plugin team to get more information when trying to fix bugs.
  - Charset Display Method
    - Controls how verbose the dialog for the locale-charset-map is.
  - Directory Based Deployment Possible
    - check box that controls whether the plugin will attempt to do directory based deployment of Web Applications

# Server Registration and Management

- Instance Registration
  - Add Server... contextual menu item
    - On the Servers Node of the Runtime Explorer
  - Add Server... Button of the Server Manager dialog
    - Use the Server Manager item from the Tools menu to open

# Registering a Default Instance

- What is a Default Instance?
- Steps
  - Establish App Server Install location
  - Select the Location value from the combo box
  - Enter the Admin Username and Password (optional)

# Registering a Remote Instance

- Steps
  - Enter the host name and port value
  - Enter the Admin Username and Password
- Notice
  - Limited Control of Remote Instances



# The "Linux" Case

- The user doesn't have write access into the domain
- Needs custom domain/instance that is "theirs"
- Semirandom Ports
- Steps
  - Enter Domain Folder location
  - Enter Admin Username and Password
  - Change any of the ports on the "Next" page

# Instance Management

- Execution State
  - Start, Start in Debug Mode, Restart, Stop
- Node State Management
  - Refresh
- Remove
- Get info
  - View Admin Console, View Server Log
- Properties
- Locals only, dude!
  - Execution State, View Server Log

# Application and Module Management

- Display structure
  - Actions on the nodes
  - Properties

# Resource Definition, Registration, and Management

- Wizard based Creation
- Automatic registration
- User controlled registration
- Management

# Java DB Integration

- Databases Node Population
  - Driver added to Drivers node
  - Connections added
- Database State Management
  - User driven
  - Automated

# Project Actions

- Run
- Debug
- Deploy
- Verify

# Server Specific Descriptor Editing

- How to Open
- Some things added automagically?
- Link between J2EE descriptors and sun-\* descriptors
- Data written if changed by the user

# Zero Configuration

- Focus on development task
- Enterprise Resources menu
  - Use Database
  - Call EJB
  - Send JMS Message



# Installation and Running

- Get from <http://www.netbeans.org>
- Stand-alone or Bundled with App Server
- Interoperability with V2
  - Get 5.5.1

# Community

- [nbj2ee@netbeans.org](mailto:nbj2ee@netbeans.org)
  - Mailing list for information and support with J2EE and Java EE features
- [nbusers@netbeans.org](mailto:nbusers@netbeans.org)
  - Mailing list for getting general help/info about NetBeans
- <http://netbeans.org>
  - The site for all things NetBeans.

# Filing Bugs

- Join the Netbeans community  
[ <http://www.netbeans.org/servlets/Join> ]
- Login
- Open a new Issuezilla DEFECT issue
  - [ [http://serverplugins.netbeans.org/issues/enter\\_bug.cgi?component=serverplugins&issue\\_type=DEFECT](http://serverplugins.netbeans.org/issues/enter_bug.cgi?component=serverplugins&issue_type=DEFECT) ] against subcomponents sunappserv8 or sunappserv9.
- If the bug is something outside the plugin
  - [ [http://www.netbeans.org/issues/enter\\_bug.cgi](http://www.netbeans.org/issues/enter_bug.cgi) ] as the page you start for filing the bug.

# Q & A

- Boy... That was fast and confusing...