



The JSF Tools Project – WTP (internal) release review

Presenter

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Agenda

- Project Overview
- Demo
- Release readiness
- Q&A



Features

- Faces Config Editor
- Enhanced JSF-JSP Source Editor
- JSF Library Registry
- Extensible framework



JSF Tools Features



- Application Configuration Resource File Editor Features
 - Code Contribution from Sybase Inc.
 - Multi-page Editor
 - Overview page
 - Summary of elements in the configuration file
 - Navigation page
 - graphical diagram editor for navigational rules
 - Managed bean page
 - Form-based editor, Wizards
 - Component Page
 - Source Page
 - EMF model of the application configuration resource files
 - Programmatic access



JSF Tools Features

- JSF-JSP page Source Editor Features
 - Support for standard JSF Tag libraries
 - Content assist for values of tag attributes
 - Validation of values of tag attributes
 - JSF 1.1 EL validation
 - Basic Syntax Validation (Empty, incorrect)
 - Content assist for existing variable, property (managed bean, resource bundle)
 - Semantic validation
 - Enabled by Extensible Meta-data framework
 - Enable Content assist and Validation for other component libraries (Tomahawk)
 - Enables addition of new features (QuickFix, HyperLink)
 - Enhance the existing features (improved validations)
 - Pluggable design-time variable, property resolvers

JSF Tools Features



- JSF Library registry
 - define a named collection of JARs including tag libraries, JSF reference implementations and utility jars.
 - add, remove libraries associated with a project
 - Automate build classpath settings and deployment
 - Extension point for component developers to contribute their libraries

Extensible Framework



- Content Model Annotation Framework
 - Define additional meta-data for elements and attributes on any xml-based content model for use at design time.
- Design-time Meta-data Processing Framework
 - Uses the annotations framework to provide services to the JSF-JSP Source Editor
 - Define new services and enhance existing services
- Design-time Application Manager
 - Provide an approximation of certain JSF runtime state information at design time.
- JSF Application Configuration Manager
 - Pluggable design-time variable, property and method resolvers
 - Provide a unified application configuration model through API, effectively merging all faces configuration models into a single model
 - Notification services to monitor changes to the EMF objects in the model
 - Cross model validation will be supportable .

Demo



- Build and execute a JSF-JSP application.

Release Readiness



- Integrated with WTP build infrastructure
 - JSF Tools Project is built with WTP and is available on the download page.
- Unit Tests
 - JUnit tests (~ 150), more to come by 6/20
 - Manual tests
 - See [org.eclipse.jsfcomponents.jsfdevelopment\design](#) for documentation on the tests.
- Documentation
 - Design doc - Checked in under [org.eclipse.jsfcomponents.jsfdevelopment\design](#)
 - User doc - In progress, to be completed by 6/20
 - Initial draft checked in, includes tutorial
 - Javadoc - All provisional API's and extensions documented, to be completed by 6/20
 - Tutorial on Extending JSF Tools Project – 6/9
- Milestones
 - RC4 – Feature Freeze – June 7th
 - RC5 – Code Freeze – June 20th