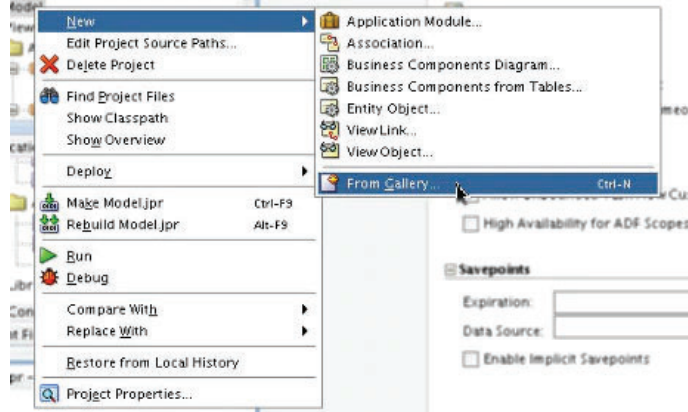


**Context-sensitive New menu:** Items that you most often need are within easy reach from the New menu in the navigator.



**Refactoring UI:** Improvements to streamline the UI and make the refactoring operations more consistent and predictable.

**File Templates:** Define custom file templates and invoke them from the gallery.

**Improved Printing:** Printing and print preview have generally been improved.

**Show Empty Folders:** New option to display empty folders in the Application navigator.

**Dependency Explorer:** Visualize your application and how the various resources are dependent on each other with the new dependency viewer.

**Common Issues Window:** Any problems found with your application are now reported into a single, consolidated Issues window so you can see all your mistakes at glance!

**Build on Save:** A new preference allows you to specify that JDeveloper should compile your modified files automatically after saving.

#### Team Development

**Maven Improvements:** Updated support for Maven.

POM files provided for ADF libraries.

Oracle now provides a sync tool to populate a Maven repository from an Oracle home.

Maven plugins for ojmave and ojdeploy.

Create project from archetype.

Options for handling test sources in multiple projects

Improved goal manager and easier access to running custom goals.

Upgrade to Maven 3.0

Many UI enhancements including an Overview editor for POM files.

Ability to generate and view an effective POM

Manage Maven profiles, plugins, dependencies, and more within Overview editor.

Option to use Maven as the build tool when creating a new application.

**Git:** Integrated tools for using git (including GitHub) for managing source code. Includes, branching, merging, viewing pending changes, and much more.

**Subversion Update:** Subversion client updated to 1.7.

#### Java Development

**Profiler Update:** The JDeveloper and NetBeans teams are working together to bring the best of each of its profiling tools to all users. The newly revised profiler includes new functionality, improved performance and better user experience. The following profiler modes are available:

CPU Profiling - Analyze your application's impact on the processor and find out what areas of code are consuming the most time.

Memory Profiler - Find out how your application is using the Java heap, including finding memory leaks. Available in Quick (sampled) mode and Advanced (instrumented).

Monitor - No-overhead monitoring of the JVM, including telemetry graphs and thread activity.

**Swing Editor:** The JDeveloper and NetBeans teams are working together to bring the best of each of its Java UI visual editing tools to all users. This release introduces the "Matisse" editor from NetBeans in JDeveloper.

**@SuppressWarnings annotation:** The new @SuppressWarnings annotation can be used in Java code to have the JDeveloper audit tool ignore something that it would ordinarily display a warning or error for.

**Calls Window:** Calls window now follows the cursor/insertion point and automatically updates

**Java Code Editor Enhancements:** A number of enhancements to the Java code editor, from better breadcrumbs, to improved code insight and Smart move lines (move line moves entire statements, rather than just the line).

**ojformat:** A new command-line tool for formatting Java sources and many improvements to the formatting options too.

**Application Level libraries:** Java libraries can now be managed at the application level, providing those libraries to all the projects in the application.

#### Java EE and Web Development

**Java EE 6 Support:** JDeveloper wizards and editors have been updated to work with Java EE 6 specifications, including EJB 3.1, Servlet 3.0, CDI, JPA 2.0, EL 2.2, and more.

**EJB 3.1 Support:** JDeveloper provides support for new EJB 3.1 features including:

Singleton Session Bean

Simplified No Interface Client View

Asynchronous Session Bean Invocations

**TopLink/JPA 2.0:** TopLink supports the following JPA 2.0 features:

JPA 2.0 project type and JPA 2.0 persistence unit properties

Delimited and derived identifiers

Mixed access

Unidirectional one-to-many mappings

Validation mode

Element collection

Embeddable mapping

**HTML5, MathML and CSS3 Support:** Updated editors for working with latest HTML5 and CSS3 content.

**CSS editor:** Added ability to invoke Quickdoc feature for CSS properties and skinning keys, and other editor improvements

**JSP to Facelets conversion:** User may optionally choose to convert a project's JSP/JSPX content to Facelets