

ORACLE JDEVELOPER 11G

KEY FEATURES AND BENEFITS

COMPLETE, INTEGRATED,
VISUAL AND DECLARATIVE
ENTERPRISE DEVELOPMENT
ENVIRONMENT

Oracle JDeveloper provides an extremely productive development environment that covers the full development lifecycle and integrates features addressing the multitude of technologies used for building standard-based enterprise applications.

FEATURES

- Integrated enterprise development environment
- Visual and declarative editors
- Complete development lifecycle coverage
- Built-in development framework
- Advanced features for Java, Database, Web services, SOA, and Web development

Integrated Development Environment

Oracle JDeveloper integrates development features for Java, SOA, Web 2.0, Database, XML and Web services into a single development tool. The various artifacts share the same project structure and development experience, simplifying both the learning curve and the development process of composite applications that leverage a multitude of technologies.

Full Lifecycle Support

Oracle JDeveloper covers the full development lifecycle from initial design and analysis, through the coding and testing phases, all the way to deployment.

Developers can design, generate, and visualize their code with UML, Java and database diagrams. An advanced coding environment and declarative and visual editors facilitate faster code development. Integrated testing, profiling, and code auditing features ensure the quality of the applications. Interfaces with versioning, build, and deployment tools enable packaging and deployment of the applications.

Additionally, the new Oracle Team Productivity Center product adds an integrated hot-pluggable application lifecycle management (ALM) solution into JDeveloper. Developer can directly interact with a host of requirement-gathering and progress tracking solutions.

BENEFITS

- Increased development productivity
- Simpler tooling portfolio
- Self contained

Visual And Declarative

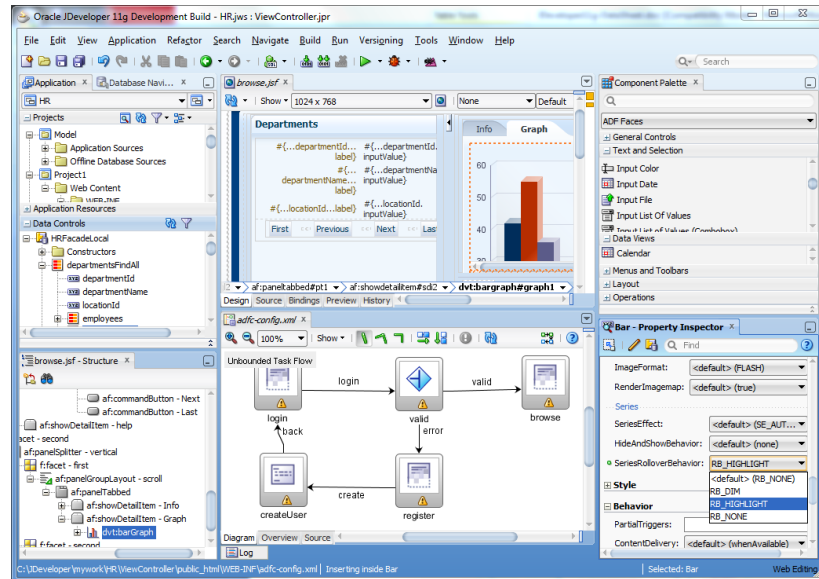
Oracle JDeveloper focuses on increasing developers productivity by offering a visual and declarative approach to application design. A combination of visual editors, property inspectors, structure panes, and editing dialogs simplify and eliminate tedious coding. These declarative features provide a simpler way to define the components that construct an application. The application's code is always accessible for direct manipulation as well. Changes can be made by either the declarative means or directly in the code and are reflected in both simultaneously.

Productive Development Framework

Oracle JDeveloper is the development environment for the Oracle Application Development Framework (Oracle ADF). Oracle ADF is an end-to-end development framework, built on top of the Enterprise Java platform, and offering unparalleled productivity. The framework provides integrated infrastructure solutions for the various layers of the application including data access, business services

development, a controller layer, rich Web, mobile and desktop interfaces, data binding, and security.

Oracle JDeveloper offers features that simplify the development of ADF based application through its visual and declarative editors.



Oracle JDeveloper – Visual and Declarative Development

Complete Development Tool

Oracle JDeveloper integrates the full set of features needed for developing composite applications with specific features that address the following technologies:

Java

Oracle JDeveloper provides a complete development environment for the latest versions of Java SE and Java EE. Advanced code editors with code insight, code completion, refactoring, code assist, live code auditing, quick Javadoc and a host of other shortcuts simplify the coding experience. State of the art debugger, code auditor, profilers, and JUnit integration ensure the delivery of high quality code. JDeveloper includes visual editors, declarative dialogs, and modelers that help create Java EE artifacts more quickly.

With the embedded WebLogic Server developers can run and debug their Java EE applications directly inside the development environment.

Database

JDeveloper includes a database modeler allowing forward and reverse modeling as well as reporting for relational databases structure. In addition the integrated SQL Developer capabilities provide database browsing, object definition and manipulation as well as query execution. An integrated PL/SQL editor offers advanced coding and debugging capabilities for PL/SQL stored procedures inside the Oracle database.

Web

JDeveloper includes a visual HTML editor for Web page design with simple drag and drop gestures. A JavaScript editor with code insight and refactoring capabilities along with a JavaScript debugger simplify adding dynamic behaviors to Web pages. A CSS editor helps with achieving the right design for Web pages, and an HTTP Monitor tracks the network traffic between the browser and server.

For Java Web developers JDeveloper, extends the visual HTML editor to support JSP and JSF visual editing, as well as providing code insight while coding these Java artifacts. JDeveloper also includes a JSF diagram tool enabling visual design of page flows.

Web Service and XML

JDeveloper simplifies the creation and consumption of Web services. Declarative dialogs create Web service out of business logic stored in simple Java classes, EJBs and database stored procedures. Other wizards help consume existing Web services by analyzing their WSDL and generating proxy code to invoke them or ADF data controls. Additional capabilities such as visual WSDL editor, top down Web services generation, XML Schema diagram and Web services tester further help integrate applications in an SOA environment.

Fusion Middleware

Oracle JDeveloper is the development environment for Oracle SOA Suite and the Oracle WebCenter Suite.

Diagrams allow developers to build BPEL and ESB processes, and a declarative editor provides an easy way to define business rules for the Oracle SOA Suite, all from within JDeveloper. Rich Web interfaces for BAM and Human Workflows can quickly be developed with Oracle ADF in JDeveloper.

Oracle WebCenter adds capabilities for development and consumption of portlets, integration with content repositories, and a host of Web 2.0 services to the list of features available in Oracle JDeveloper.

Summary

Oracle JDeveloper offers a complete solution for developers looking to increase their productivity building cutting edge SOA-enabled Enterprise Java applications.

To learn more visit <http://oracle.com/technology/jdev>



Oracle is committed to developing practices and products that help protect the environment

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