

Oracle JDeveloper Suite

DATA SHEET

JDeveloper Suite is Oracle's 3GL Java programming tool suite for building data-aware components for thin-client applications. JDeveloper Suite includes everything developers need to build 2-tier and 3-tier database components and applications, including Oracle JDeveloper, Oracle8 Enterprise Edition, and Oracle Application Server.

Database Programming

Oracle JDeveloper Suite is optimized for building real-world database applications and components. The design environment simplifies database programming with easy access to JDBC and built-in support for SQLJ, an industry standard for embedding SQL statements in Java. Data-aware components and data form wizards accelerate the creation of data access code, allowing developers to focus on the business-specific logic in their applications.

Internet and Intranet Deployment

Oracle JDeveloper Suite provides a 3GL Java development environment for building thin-client Internet and intranet applications and deploying them with Oracle Application Server.

In Internet environments, developers can use Oracle JDeveloper to write middle-tier servlet-style applications that can access databases and generate dynamic HTML for browser clients. For intranet deployment with Java clients, developers can build CORBA-compatible Enterprise JavaBeans for distributed IIOP applications.

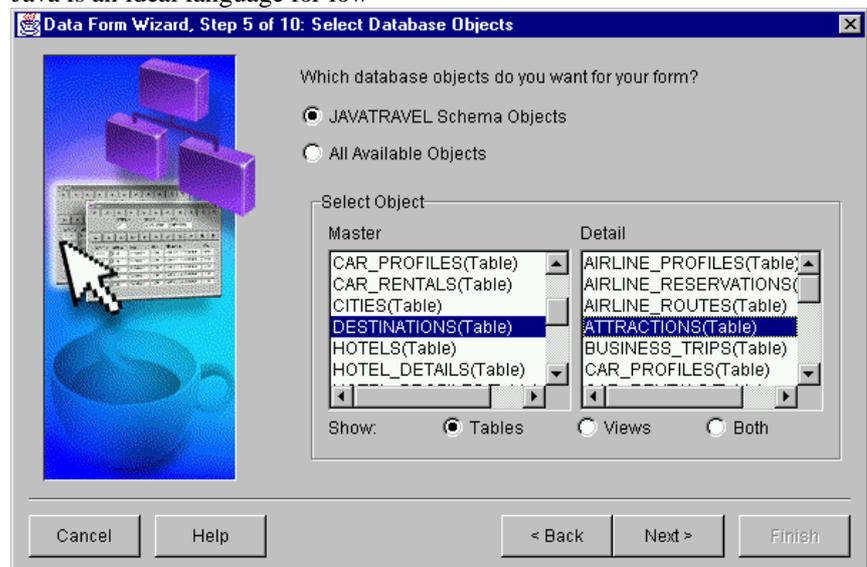
Industry-standard Component Model

Oracle JDeveloper Suite is built from the ground up to support Java's industry-standard component model: JavaBeans and Enterprise JavaBeans. Components increase productivity by providing a standard way to package, deploy, reuse, and interoperate with code. JDeveloper Suite provides integrated visual programming tools for creating new components and reusing existing components, including both JavaBeans for client-side development and Enterprise JavaBeans on the server.

products. Developers will be able to leverage Java's portability, network-centricity, and industry-standard component model on the client, the application server, and the data server: 300% Java. Oracle JDeveloper Suite provides a complete Java programming environment for building and debugging data-driven applets and applications and server-side Java components.

300% Java

Java is an ideal language for low-



300% High Access Winet network computing build complex master-detail forms. and Oracle is integrating Java into its entire line of Enterprise software

JDeveloper Suite Features

Productive Visual Development

Oracle JDeveloper provides a visual development environment with integrated AppBrowser, Editor, Debugger, and Compiler. Visual form builders, graphical property inspectors, and tabbed component palettes automate programming tasks.

Wizards are available at each step of the development process. The Project, Application, and Data Form wizards can walk you through building a fully-functional database applet or application from start-to-finish, with no manual coding required.

Integrated JDBC Support

JDeveloper Suite simplifies database application development by integrating JDBC functionality into the environment. Developers can choose from native Oracle drivers for Oracle7, Oracle8, and Oracle Lite. Options include a pure Java "thin" driver ideal for applet deployment and OCI drivers suitable for client applications and server-based Java programs.

Connection Wizards guide you through the process of selecting and configuring the right JDBC driver for your project. And the Deployment Wizard takes care of packaging up all the required JDBC configuration files with point-and-click simplicity.

Database Programming with SQLJ

JDeveloper Suite has complete support for authoring and debugging using SQLJ. SQLJ allows you to embed SQL statements directly in Java source code files. When you compile your project, the SQLJ precompiler automatically converts SQL statements to lower-level JDBC calls.

With SQLJ, developers write far fewer lines of code compared to raw JDBC programming. And the code they write is familiar SQL, rather than the more obscure and lower-level JDBC API calls. And because syntax errors are caught at compile time, developers can produce correct code without having to compile and run their application to detect data-access errors.

JavaBeans Components

Oracle JDeveloper has complete support for creating and working with JavaBeans components. Applications can be assembled from existing components rather than written entirely in code. JDeveloper Suite ships with over 100 pre-built components, and 3rd-party components can be integrated into the environment and even added to the component palette for frequent reuse.

For distributed application development, JDeveloper Suite supports Enterprise JavaBeans. With Oracle JDeveloper and Oracle

Application Server, developers can build CORBA-compatible Enterprise JavaBeans components for IIOP intranet applications.

Server-side Java for HTML Clients

With Oracle JDeveloper and Oracle Application Server, developers can build middle-tier Java servlet-style applications that generate dynamic HTML for browser clients in Internet environments. The HTML-Java Wizard converts any static HTML template file into a Java class capable of dynamically generating the HTML code on the server at runtime. And with JDeveloper's integrated HTML editor, you can view and edit static HTML and Java code in the same environment.

Open and Compatible

While JDeveloper Suite is optimized for tight integration with the Oracle application and data servers, it is still a pure 3GL Java programming environment.

Java components built with JDeveloper Suite can be deployed across any clients, web servers, application servers, data servers, and tools that support Java.

JDeveloper Suite is compatible with industry standards such as JavaBeans, JDBC, EJB, CORBA, JFC/Swing, RMI, and more.

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