

The iWay Oracle adapter is highly optimized for maximum performance with business applications and existing Oracle database systems.

Product Highlights

- **Maximize performance of Oracle** using native interfaces
- **Join Oracle and other data sources** (IMS, VSAM, etc.) on multiple platforms with iWay's optimized cross-platform join capabilities
- **Display generated Oracle SQL, optimization information,** and Oracle return codes with iWay's advanced tracing facility
- **Invoke Oracle stored procedures**
- **Support for Array Blocking** to maximize performance and I/O efficiency
- **XA protocol support (two-phase commit)**
- **Access multiple Oracle servers** in one SQL request
- **Generate extensive metadata automatically** to mask differences among systems and embed transformation logic, views, joins, virtual columns, and more

Oracle

iWay Intelligent Adapter for Oracle Databases

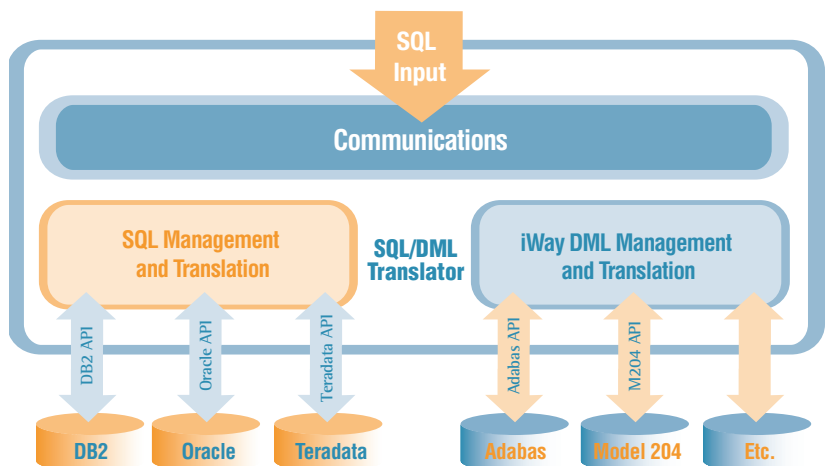
Accelerating Oracle Integration

iWay Software's Intelligent Adapter for Oracle provides highly efficient access to Oracle data. The Oracle adapter is engineered in the same way as other iWay data adapters, so developers may use ANSI-standard SQL statements to access Oracle data from any iWay tool. Third-party products can also access the adapter via iWay connectors, including ODBC, OLE DB, JDBC, XML, iWay Business Services (Web services), and others.

In addition, data from Oracle can be integrated with more than 300 other information sources, including other relational and nonrelational databases, transaction systems, custom or packaged applications, message-oriented middleware, XML documents, EDI networks, and more. Requests that specify only Oracle data sources may also be processed using native Oracle syntax.

How iWay Intelligent Data Adapters Work Together

All iWay intelligent adapters are designed for consistent operation within iWay's robust middleware framework, thereby minimizing skill sets required to use each database and support new projects. Each adapter consists of a communications interface, an SQL translator that manages adapter operations in either SQL or iWay's universal Data Manipulation Language (DML), and a database interface that translates ANSI SQL into native SQL syntax. Multiple iWay adapters running on the same platform can all share communications and translation components for greater efficiency.



Highly Optimized for Oracle

The iWay Intelligent Adapter for Oracle receives SQL requests and determines the most efficient method for satisfying them. Based upon their content, they are either passed directly to the RDBMS engine or translated to take advantage of iWay features such as ANSI-standard syntax for complex joins and additional security features such as field and field-value level restrictions. If required, the adapter will generate the appropriate SQL and DML statements to perform cross-database joins with non-Oracle data sources.

Special features and settings for iWay's Oracle adapter include:

- Read/write capability
- Automated metadata creation tools to embed transformation logic, views, joins, and virtual columns
- Query optimization to increase the performance of sorts, aggregation, joins, and selection criteria
- Dynamic assignment of tablespaces and index spaces
- Advanced interface tracing, including Oracle native SQL generation, optimization information, and return codes
- Support for array blocking for more efficient I/O while performing SELECT and INSERT statements
- Support for Oracle stored procedures
- Overriding of default precision and scale
- Non-blocking query cancellation
- Direct SQL passthru facility to enable DBMS-specific SQL to be submitted without translation or syntax checking
- Access to remote Oracle subsystems
- XA protocol support (two-phase commit) via iWay Transaction Coordinator (iTC)
- Access to multiple Oracle servers in one SQL request

Special iWay Performance Features

Virtual fields can be created within the iWay Adapter for Oracle, allowing developers to select a calculation as if it were simply another column in the database.

In addition, the adapter can perform joins automatically in order to connect an Oracle database to any other relational or nonrelational data source. By creating views of mixed data from Oracle and other sources, developers and end users can request information from a flatter, more spreadsheet-like structure without technical understanding of the underlying structural relationships.

The adapter provides query control via the READLIMIT and RECORDLIMIT features to reduce communication traffic, CPU usage, and I/O activity. iWay's Resource Analyzer and Resource Governor products may also be used to analyze and control resources on a global basis independently of the adapter being used.

iWay Software's Universal Adapter Suite integrates a wide variety of IT assets into a single virtual information system with shared data structures, transactions, and business logic. No matter how diverse or dissimilar the components of your IT infrastructure may be, iWay adapters make them all uniformly accessible for business applications and integration projects.

Respects and Enhances All Oracle Security Features

iWay intelligent adapters respect the security facilities of their native data sources, while enhancing them with added protection at the field and field-value levels through iWay's metadata. Our adapters also respect operating system security settings, so password-protected files can only be accessed by providing the required password.

Database Security:	Oracle and/or operating system
Field Security:	iWay*
Field-Value Security:	iWay*

*Via iWay metadata mapping

Software and System Requirements

Platforms supported: OS/390 and z/OS, OS/390 and z/OS USS, Linux/390, VM, UNIX, OpenVMS, and Windows operating systems. Please call or e-mail iWay Software to discuss your environment and needs.

Find Out More

To find out more about how iWay Software can integrate business systems in your enterprise, visit www.iwaysoftware.com, e-mail info@iwaysoftware.com, or in the U.S. and Canada, call toll-free **(866) 297-4929**. Service partners interested in developing solutions with iWay Software should call iWay's Relationship Manager at **(212) 330-1710**.



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