

ORACLE DATA INTEGRATOR ENTERPRISE EDITION

KEY FEATURES AND BENEFITS

ORACLE DATA INTEGRATOR ENTERPRISE EDITION OFFERS LEADING PERFORMANCE, IMPROVED PRODUCTIVITY, FLEXIBILITY AND LOWEST TOTAL COST OF OWNERSHIP

FEATURES

- Out-of-box integration with databases, ERPs, CRMs, B2B systems, flat files, XML data, LDAP, JDBC, ODBC
- Knowledge module framework for extensibility
- In-database transformations and data integrity controls in ETL on all databases
- Richest ETL for Oracle databases, with complex dimension and cube loading support
- Automated Changed Data Capture integration development
- Metadata-driven data lineage and impact analysis
- In-database and standalone data profiling, data quality and data governance options

UNIQUE BENEFITS

- Cuts hardware costs through improved utilization and high-performance data integration
- Unifies data-based, event-based, and service-based integration in a single solution
- Lowers total cost of ownership and by maximizing designer productivity
- Open, 100% Java, SOA, Standards based
- Supports heterogeneous sources, targets, and applications

In today's fast-paced, information-based economy, companies must be able to quickly integrate vast amounts of data from disparate systems while reducing costs and improving efficiencies. Oracle Data Integrator Enterprise Edition delivers that need with high-performance movement and transformation of data among all your platforms in batch, real-time, synchronous, and asynchronous modes. With built-in connectivity to all major databases, data warehouses, business intelligence and service-oriented architecture platforms, Oracle Data Integrator Enterprise Edition offers an extensible architecture, meeting your present and future integration needs, with high productivity and lowest total cost of ownership.

Product Overview

Oracle Data Integrator Enterprise Edition is a comprehensive data integration platform that covers all data integration requirements—from high-volume, high-performance batches, to event-driven, trickle-feed integration processes, to SOA-enabled data services.

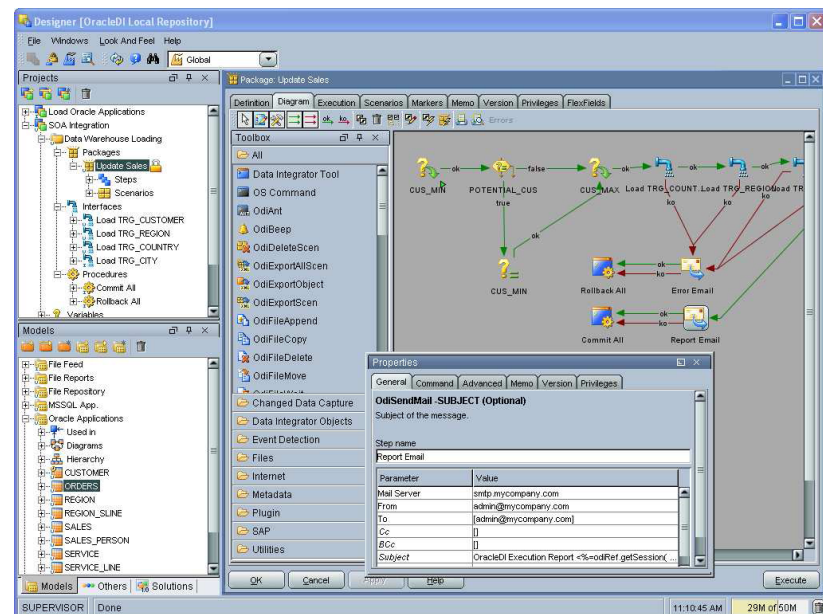


Figure 1: Oracle Data Integrator covers all data integration needs.

Today Oracle includes Oracle Data Integrator and Oracle Warehouse Builder Enterprise ETL, formerly an add-on option to Oracle Database, as the two

components of ODI-EE. Going forward, these products will merge into a single unified data integration technology platform. This strategy fully preserves any existing development investments of all Oracle data integration customers and will provide a seamless, easy upgrade path from the current components to the unified platform. Customers can safely choose either component as the basis for implementations today. For further advice on the implementation choices, please contact your Oracle sales representative.

Oracle Data Integrator Enterprise Edition addresses multiple enterprise data integration needs.

- **Data Warehousing and Business Intelligence**—by executing high-volume, high-performance loading of data warehouses, data marts, On Line Analytical Processing (OLAP) cubes, and analytical applications. It transparently handles incremental loads and slowly changes dimensions, manages data integrity and consistency, and analyzes data lineage.
- **Service-Oriented Architecture**—by calling on external services for data integration and by deploying data services and transformation services that can be seamlessly integrated within an SOA infrastructure. It adds support for high-volume, high-performance bulk data processing to an existing service-oriented architecture.
- **Master Data Management (MDM)**—by providing a comprehensive data synchronization infrastructure for customers who build their own data hubs, work with packaged MDM solutions, or coordinate hybrid MDM systems with integrated SOA process analytics and Business Process Execution Language (BPEL) compositions.
- **Migration**—by providing efficient bulk load of historical data (including complex transformations) from existing systems to new ones. It continues to seamlessly synchronize data for as long as the two systems coexist.

E-LT Architecture for High Performance

Oracle Data Integrator Enterprise Edition's Extract, Load, Transform (E-LT) architecture leverages disparate relational database management systems (RDBMS) engines to process and transform the data. This approach optimizes performance and scalability and lowers overall solution costs.

Instead of relying on a separate, conventional ETL transformation server, Oracle Data Integrator Enterprise Edition's E-LT architecture generates native code for disparate RDBMS engines (SQL, bulk loader scripts, for example). E-LT architecture extracts data from sources, loads it into a target, and transforms it using the database power. By leveraging existing databases and database expertise,

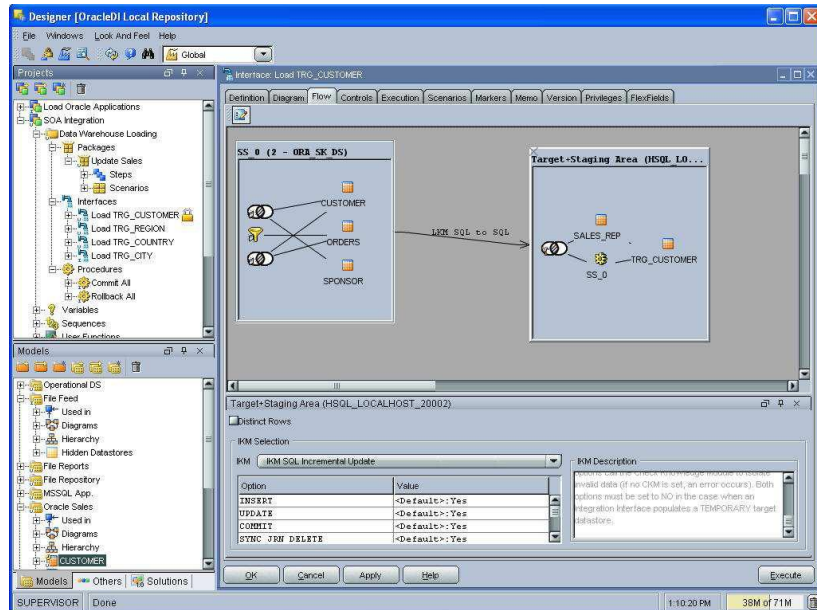


Figure 2: The E-LT architecture leverages source and target systems for data integration.

Oracle Data Integrator Enterprise Edition provides unparalleled efficiency and lower cost of ownership. By reducing network traffic and transforming data in the database containing the target tables, E-LT architecture delivers the highest possible performance.

Real-Time Data Warehousing

Oracle Data Integration Suite turns the promise of real-time data integration into reality by providing all key components required to enable real-time data warehousing and operational data hubs. Additional native hooks to Oracle SOA Suite provide comprehensive and hot-pluggable (working seamlessly with existing systems) data services integration.

Oracle Data Integrator Enterprise Edition combines three styles of data integration: data-based, event-based, and service-based. Oracle Data Integrator Enterprise Edition unifies silos of integration by transforming large volumes of data in batch, by processing events in real time leveraging its advanced Changed Data Capture, and by providing data services to the Oracle SOA Suite. All integration processes provide robust data integrity controls which guarantee the consistency and correctness of data on the fly.

High-Productivity Integration Design

Oracle Data Integrator Enterprise Edition shortens implementation times with its highly productive design-time tools. Declarative design simplifies common data integration design and deployment use cases, shortening implementation times. Data integration designers describe source and target data formats and data integration processes. The business user or the developer can focus on describing what to do, not how to do it. ODI EE then generates, deploys and manages the code required to implement those processes across the various source and target systems.

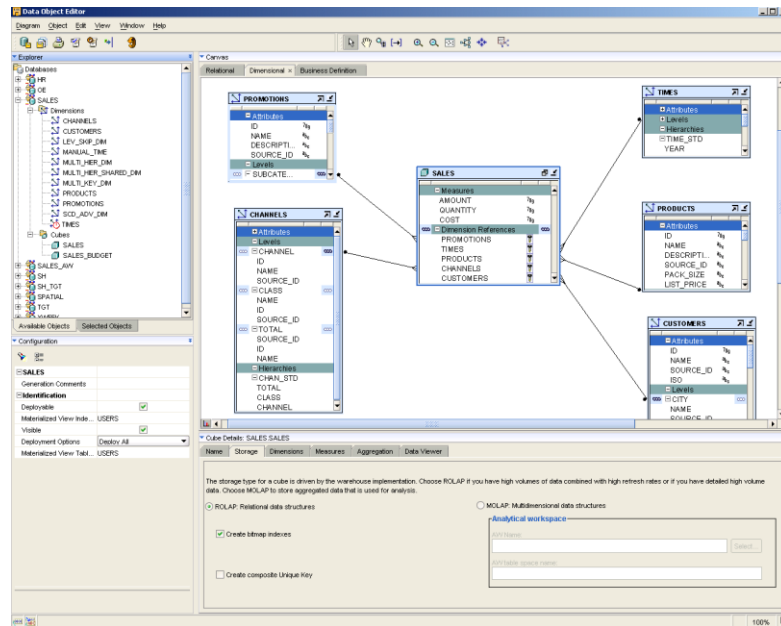


Figure 3: Dimensional Modeling using Oracle Data Integrator Enterprise Edition

Oracle Data Integrator Enterprise Edition also provides advanced ETL capabilities such as loading slowly changing dimensions, complex data integration process flow logic, re-usable mappings, and design-time automation through scripting. Oracle Data Integrator Enterprise Edition includes built-in dimensional modeling tools to simplify Oracle Data Warehouse integration implementations.

Knowledge Modules Provide Flexibility and Extensibility

Knowledge Modules are at the core of the Oracle Data Integrator Enterprise Edition architecture. They make all Oracle Data Integrator Enterprise Edition processes modular, flexible, and extensible.

Knowledge Modules implement the actual data flows and define the templates for generating code across the multiple systems involved in each process. Knowledge Modules are generic, because they allow data flows to be generated regardless of the transformation rules. And they are highly specific, because the code they Generate and the integration strategy they implement are finely tuned for a given technology. Oracle Data Integrator Enterprise Edition provides a comprehensive library of Knowledge Modules, which can be tailored to implement existing best practices (for example, for highest performance, for adhering to corporate standards, or for specific vertical know-how).

By helping companies capture and reuse technical expertise and best practices, Oracle Data Integrator Enterprise Edition's Knowledge Module framework reduces the cost of ownership. It also enables metadata-driven extensibility of product functionality to meet the most demanding data integration challenges.

RELATED PRODUCTS AND SERVICES

Oracle Data Integrator Enterprise Edition delivers unique next-generation, Extract Load and Transform (E-LT) technology that improves performance, reduces data integration costs and improves productivity.

RELATED PRODUCTS

- Oracle Data Quality for Data Integrator
- Oracle Data Service Integrator
- Oracle Data Profiling
- Oracle Business Intelligence
- Oracle SOA Suite
- Oracle Database
- Oracle Data Warehousing
- Oracle Master Data Management

RELATED SERVICES

The following services are available from Oracle Support Services:

- Update Subscription Services
- Product Support Services

Sample of Available Knowledge Modules

<ul style="list-style-type: none"> • General SQL DB • Oracle DB 9i • Oracle DB 10g • Oracle DB 10g EX • Oracle DB 11g • IBM DB2/390 • IBM DB2/400 • IBM DB2/UDB • IBM Informix SE • IBM LDAP Server • MS SQL Server 2000 • MS SQL Server 2005 • MS SQL Server 2005 SE • MS Office Access 2000 • MS Office Excel 2000 • MS Active Directory • Sybase ASA 8.x & 9.x • Sybase ASE 11.9 & 12.5 • Sybase IQ 12.x • Sonic MQ v7.0 • SAP ERP and BW 	<ul style="list-style-type: none"> • Teradata V2R5.0 • Teradata V2R6.0 • Teradata R12 • Netezza Performance Server 2.x • Netezza Performance Server 3.x • Netezza Performance Server 4.x • Hyperion Essbase • PostgreSQL 8.1 • MySQL 4.0 • MySQL 5.0 • Oracle BI Suite 10g • Oracle BAM 10g • Oracle Internet Directory 9i • OpenLDAP 2.3 • Oracle Siebel CRM 7.8 • Oracle JD Edwards • Oracle PeopleSoft • Oracle E-Business Suite • Oracle AQ 10g • Oracle SOA Suite / ESB 10g • Salesforce.com AppExchange
---	--

Hot Pluggable

Oracle Data Integrator Enterprise Edition provides heterogeneous support for 3rd party platforms, data-sources, and data warehousing appliances. While Oracle Data Integrator Enterprise Edition leverages optimizations for Oracle Database to perform EL-T data movement, transformation, data quality and standardization operations, Oracle Data Integrator Enterprise Edition is compatible with mixed targets, sources and applications.

Contact Us

For more information about Oracle Data Integrator Enterprise Edition, please visit oracle.com or call +1.800.ORACLE1 to speak to an Oracle representative.



Copyright © 2009, Oracle and/or its affiliates. All rights reserved.

This document is provided for information purposes only and the contents hereof are subject to change without notice. This document is not warranted to be error-free, nor subject to any other warranties or conditions, whether expressed orally or implied in law, including implied warranties and conditions of merchantability or fitness for a particular purpose. We specifically disclaim any liability with respect to this document and no contractual obligations are formed either directly or indirectly by this document. This document may not be reproduced or transmitted in any form or by any means, electronic or mechanical, for any purpose, without our prior written permission.

Oracle is a registered trademark of Oracle Corporation and/or its affiliates. Other names may be trademarks of their respective owners. 0109