
Data Integration And ETL With Oracle Warehouse Builder

Participants learn to load data by executing the mappings or the process flows, use Oracle Warehouse Builder 11g, Release 2 features to manage metadata changes, debug mappings, backup metadata, manage security, and tune the ETL mappings for better performance. Integration of Warehouse Builder with OBI EE, along with the Warehouse Builder architecture and configuration are discussed.

Participants learn to retrieve data from different types of sources such as flat files or relational schemas and also to use the different transformation operators to design an ETL task. The usage of Warehouse Builder to define both relational dimensional models and multidimensional models, to deploy a single logical model to multiple physical targets and how to handle slowly changing dimensions are also covered.

In addition, extraction of data from non-Oracle sources using code templates, usage of the Warehouse Builder ETL and data integration features of the Enterprise ETL Option of the Oracle database are discussed.

This functionality requires the Oracle Warehouse Builder Enterprise ETL/ODI EE option.

Objectives

- Retrieve data from different types of sources such as flat files or relational schemas
- Use the different transformation operators to design an ETL task
- Load data by executing the mappings or the process flows
- Use OWB features to manage metadata changes, debug mappings, backup metadata, manage security, and tune the ETL mappings for better performance
- Integrate Warehouse Builder with OBI EE Warehouse
- Explain the Warehouse Builder architecture and configuration

Topics

- Installing and Setting Up the Warehouse Builder Environment
- Getting Started with Warehouse Builder

- Understanding the Warehouse Builder Architecture
- Defining Source Metadata
- Defining ETL Mappings for Staging Data
- Using the Data Transformation Operators
- Cleansing and Match-Merging Name and Address Data
- Using Process Flows
- Deploying and Reporting on ETL Jobs
- Using the Mapping Debugger
- Enhancing ETL Performance
- Managing Backups, Development Changes, and Security
- Integrating with Oracle Business Intelligence Enterprise Edition (OBI EE)
- Administrative Tasks in Warehouse Builder
- Managing Metadata
- Accessing Non-Oracle Sources
- Designing Mappings with the Oracle Data Integration Enterprise Edition License
- Right-Time Data Warehousing with OWB
- Defining Relational Models
- More Relational Dimensional Modeling
- Modeling Multidimensional OLAP Dimensions and Cubes