

## **Course Content of Data Integration and ETL with Oracle Warehouse Builder: Part 2:**

### Administrative Tasks in Warehouse Builder

- Enterprise ETL License Extends Core In-Database ETL
- Multiple Named Configurations: Why and How
- Using Multiple Named Configurations
- Using Configuration Templates
- Steps for Setting Up OWB in a RAC Environment
- Creating an OWB Schedule

### Managing Metadata

- Using Lineage and Impact Analysis Diagrams
- Invoking Lineage and Impact Analysis
- Using the Change Propagation Dialog
- User-Defined Properties, Icons, and Objects
- Using Pluggable Mappings
- Advanced Activity Types in Process Flows
- Native Relational Object Support
- Heterogeneous Predefined SQL Transformations

### Accessing Non-Oracle Sources

- Extensible Framework of OWB 11g Release 2
- Benefits of Extensible Code Templates
- Location of Seeded Code Templates
- Creating New Code Templates
- Defining New Integration Platforms in OWB

### Designing Mappings with the Oracle Data Integration Enterprise Edition License

- Traditional Versus Code Template (CT) Mappings
- Execution Units in a CT Mapping
- Execution View Versus Logical View
- Assigning a Code Template to an Execution Unit
- Convert a Classic Mapping to a CT Mapping That Utilizes Data Pump

- CT Mappings Deploy to Control Center Agents

## Right-Time Data Warehousing with OWB

- What Is Meant by Real-Time Data Warehousing
- What Refresh Frequency Does OWB Support
- Building a Trickle Feed Mapping
- Using Advanced Queues in Trickle Feed Mappings
- Using CDC Code Templates in Mappings for Change Data Capture
- Starting CDC Capture Process

## Defining Relational Models

- Defining Dimensions Using Wizards and Editors
- Defining Dimension Attributes, Levels, and Hierarchies
- Binding Dimension Attributes to the Implementation Table
- Using the Create Time Dimension Wizard
- Defining a Cube
- Specifying a Cube's Attributes and Measures
- Designing Mappings Using Relational Dimensions and Cubes

## More Relational Dimensional Modeling

- Initial Versus Incremental Data Warehouse Loads
- Updating Data and Metadata
- Capturing Changed Data for Refresh
- Setting Loading Properties
- Choosing the DML Load Type
- How OWB Manages Orphans
- Support for Cube-Organized Materialized Views
- Creating a Type 2 Slowly Changing Dimension

## Modeling Multidimensional OLAP Dimensions and Cubes

- What Is OLAP
- Multidimensional Data Types
- Analytic Workspace
- Dimensional Modeling Using OWB
- OWB Calculated Measures

- Differences Between OLAP and Relational Loading

## Appendix: Configuring Warehouse Builder in RAC Environments

- Oracle Real Application Clusters (RAC)
- Control Center Service Failover on RAC
- Installing OWB on Real Application Clusters
- Useful Diagnostics for OWB RAC Problems

## Appendix: Service-Oriented Architectures

- What Are Services
- Publishing a Web Service
- Methods for Creating a Mapping That Uses Web Services
- Consuming a Web Service
- Accessing Web Services Securely

## Appendix: Importing COBOL Copybooks

- Flexible File Import Options in OWB 11g Release 2
- Enhanced Support for COBOL Copybook Import
- Selecting Copybooks to Import
- Examine Advanced Import Session Options