

Oracle Warehouse Builder 10g: Implementation

Part I

Aprenderá:

In this 3-day hands-on course, students learn how to implement a data warehousing solution using Oracle Warehouse Builder (OWB). The concepts, design issues, architecture, and terminology that underlie OWB are explored. Students use OWB client tools to create and maintain OWB design metadata, including source and warehouse target definitions, and ETL mappings to extract, transform, and load data into the targets. Students generate, deploy, and execute OWB design objects to create and populate a target warehouse.

This course focuses on relational dimensional modeling. This course serves as the prerequisite for Oracle Warehouse Builder 10g: Implementation Part 2. That course focuses on MOLAP modeling, and additional features of OWB.

Learn To:

- Extract, transform, and load data into the staging tables and an enterprise model warehouse
- Create Data Profile
- Generate Data Rules and Run Correction Mappings
- Define source-to-target mappings
- Design the target warehouse
- Create Process Flows

Audience:

- Business Intelligence Developer
- Business Analysts
- Data Warehouse Administrator
- Data Warehouse Analyst
- Data Warehouse Developer
- Database Administrators

Prerequisites:

Required Prerequisites:

- Oracle10g: Data Warehousing Fundamentals course, or prior DW experience or thorough familiarity with DW concepts
- Experience in basic use of Oracle RDBMS, including SQL DDL and DML, and PL/SQL

Suggested Prerequisites:

- Oracle By Example: Warehouse Builder 10g R2: Getting Started
- eStudy: Introduction to Business Intelligence Products

Course Objectives:

- Create Data Profile
- Generate Data Rules and Run Correction Mappings
- Define source-to-target mappings
- Designing the target warehouse
- Create Process Flows
- Extracting, transforming, and loading data into the staging tables and an enterprise model warehouse
- Create Schedules
- Use the Dependency Manager to manage metadata
- Deploy objects directly into Oracle Business Intelligence Discoverer EUL

Course Topics:

Setting Up and Starting Warehouse Builder

- Describe typical Oracle Warehouse Builder configurations, including the classroom stand-alone setup
- Describe Oracle Warehouse Builder program group components
- Log in to the Design Center
- Create a design repository and users
- Open a project and navigate the user interface

Introducing OWB 10g R2 Architecture and Configuration

- Discuss various design and run-time configurations
- Describe the Warehouse Builder repository architecture, users, and owners
- Describe the OWB repository architecture, users, and owners
- Explain the benefits of warehouse staging areas
- Describe the source data sources and targets
- Import metadata using tcl scripts

Defining Source Metadata

- Define and create source modules
- Specify source data from flat files
- Specify source data from relational database tables
- Import source object metadata into the source modules

Ensuring Data Quality Using Data Profiling

- Create a data profile
- Profile the data
- View profile results
- Analyze profile results

Defining Staging Metadata and Mapping Tables

- Create a target module
- Add a staging table to a staging area warehouse module
- Define mappings between source objects and staging table columns

Deriving Data Rules and Running Correction Mappings

- Derive data rules
- Create a correction
- Run the generated correction mappings

Defining a Relational Dimensional Model

- Define dimensions and cubes
- Navigate the Data Object Editor
- Define ETL mappings to load the dimensions and cubes

Handling Slowly Changing Dimensions

- Explain how OWB handles a slowly changing dimension
- Define a type 2 slowly changing dimension
- Use the type 2 policy dialog box

Using Process Flows

- Navigate the process flow editor
- Create process flow definitions
- Define a schedule
- Use process flow activity templates
- Use process flow activities

Deploying, Loading, and Viewing Data

- Use the Control Center Manager
- Load data into tables
- Use the Dependency Manager to manage metadata

Business Intelligence Integration

- Define Oracle Discoverer structures
- Derive Oracle Discoverer structures
- Define cross-tab and graph presentation templates

Suggested Next Courses:

- Oracle Warehouse Builder 10g: Implementation Part II

Nombre Oracle: Oracle Warehouse Builder 10g: Implementation Part I

Nombre Sence: Oracle Warehouse Builder 10g: Implementation Part I

Duración: 24 Horas

Código Sence: 12.37.8076.12

Manuales de acuerdo al curso

Perfil Relator

- Especialista en Ciencias de la Informática y SW Oracle
- Certificación en los temas de la especialidad Oracle correspondiente a cada curso
- Experiencia en Consultoría