

OWB TRAINING CURRICULUM

Data Warehouse Concepts & Methodologies

- SDLC (Software Development Life Cycle)
- RDBMS Concepts (3 Normal Forms and BCNF)
- OLTP VS OLAP (Online Transactional Processing VS Online Analytical Processing)
- DSS (Decision Support System)
- What is a Data Warehouse?
- Data Warehouse VS Data Mart
- Relational VS Dimensional (normalized VS De-normalized)
- Facts & Dimensions
- Star Schema VS Snow Flakes Schema
- DW Methodologies: Bill Inmon VS Ralph Kimball

Oracle

- SQL * PLUS
- PL/SQL
- Stored Procedures
- Packages
- Triggers
- Explain Plan vs TKPROF

Warehouse Builder

- Describe Oracle Warehouse Builder program group components
- Log in to the Design Center
- Create a design repository

- Open a project and navigate the user interface
- Define source-to-target mappings
- Designing the target warehouse
- Create Process Flows
- Create Schedules

Introducing OWB Architecture and Configuration

- Describe the Warehouse Builder repository architecture, users, and owners
- Defining Source Metadata
- Ensuring Data Quality Using Data Profiling
- Defining Staging Metadata and Mapping Tables
- Deriving Data Rules and Running Correction Mappings
- Defining a Relational Dimensional Model
- Handling Slowly Changing Dimensions
- Using Process Flows
- Deploying, Loading, and Viewing Data
- Business Intelligence Integration

Unix Basics

- Review of a Basic UNIX Topics
- Unix File System
- Shells: Bourne, Korn
- Using Commands in Files and Shell Scripts
- UNIX Utilities
- Performing Search and Replace in Files
- Command-line Arguments and Parameter passing
- Defining and Using Functions
- Understanding Commands and it'sTranslations

- Advanced Loops and coding
- Remote Shells
- Unix Quotes
- DW Tools Overview

Modeling Tools

- Erwin

ETL (Data Integration) Tools

- Informatica
- IBM Ascential Datastage
- Oracle Warehouse Builder (OWB)