

# ORACLE DATA INTEGRATOR 19C CONFIGURATION AND ADMINISTRATION

Course Code: 100729

Explore ODI architecture, administering and securing ODI, handling and auditing data, enforcing data quality with ODI and more.

Oracle Data Integrator 19c Administration and Configuration. Explore ODI architecture, administering and securing ODI, handling and auditing data, enforcing data quality with ODI and more.

## What You'll Learn

Our engaging instructors and mentors are highly-experienced practitioners who bring years of current on-the-job experience into every classroom. Working within in a hands-on learning environment, guided by our expert team, attendees will learn to:

- Administer ODI resources and setup security with ODI
- Apply ODI Topology concepts for data integration
- Describe ODI Model concepts
- Describe architecture of Oracle Data Integrator 12c
- Design ODI Mappings, Procedures, Packages, and Load Plans to perform ELT data transformations
- Explore, audit data, and enforce data quality with ODI
- Implement Changed Data Capture with ODI

## Who Needs to Attend

Those interested in receiving more information on Oracle Enterprise Manager Cloud Control 13c should take this course.

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CLASSROOM LIVE

\$2,495 USD

3 Day

## Classroom Live Outline

### **Introduction to Integration and Administration**

- Oracle Data Integrator: Introduction
- Oracle Data Integrator Repositories

### **Administering ODI Repositories**

- Create and connect to the Master Repository
- Export and import the Master Repository
- Create, connect, and set a password to the Work Repository

### **ODI Topology Concepts**

- ODI Topology: Overview
- Data Servers and Physical Schemas
- Defining Topology
- Agents in Topology
- Planning a Topology

### **Describing the Physical and Logical Architecture**

- Topology Navigator
- Creating Physical Architecture
- Creating Logical Architecture

### **Setting Up a New ODI Project**

- ODI Projects
- Using Folders
- Understanding Knowledge Modules
- Exporting and Importing Objects
- Using Markers

## **Oracle Data Integrator Model Concepts**

- Understanding the Relational Model
- Understanding Reverse-Engineering
- Creating Models

## **Organizing ODI Models and Creating ODI Datastores**

- Organizing Models
- Creating Datastores
- Constraints in ODI
- Creating Keys and References
- Creating Conditions
- Exploring Your Data
- Constructing Business Rules

## **ODI Mapping Concepts**

- ODI Mappings
- Expressions, Join, Filter, Lookup, Sets, and Others
- Behind the Rules
- Staging Area and Execution Location
- Understanding Knowledge Modules
- Mappings: Overview

## **Designing Mappings**

- Multiple Sources and Joins
- Filtering Data
- Overview of the Flow in ODI Mapping
- Selecting a Staging Area
- Configuring Expressions
- Execution Location
- Selecting a Knowledge Module

## **Mappings: Monitoring and Troubleshooting**

- Monitoring Mappings
- Working with Errors

## **Designing Mappings: Advanced Topics 1**

- Working with Business Rules
- Using Variables
- Datasets and Sets
- Using Sequences

## **Designing Mappings: Advanced Topics 2**

- Partitioning
- Configuring Reusable Mappings
- Using User Functions
- Substitution Methods
- Modifying Knowledge Modules

## **Using ODI Procedures**

- Procedures: Overview
- Creating a Blank Procedure
- Adding Commands
- Adding Options
- Running a Procedure

## **Using ODI Packages**

- Packages: Overview
- Executing a Package
- Review of Package Steps
- Model, Submodel, and Datastore Steps
- Variable Steps
- Controlling the Execution Path

## **Step-by-Step Debugger**

- Starting a Debug Session
- New Functions
- Menu Bar Icons

## **Managing ODI Scenarios**

- Scenarios
- Managing Scenarios
- Preparing for Deployment

## **Using Load Plans**

- What are load plans?
- Load plan editor
- Load plan step sequence

## **Defining restart behavior**

## **Enforcing Data Quality with ODI**

- Data Quality
- Business Rules for Data Quality
- Enforcing Data Quality with ODI

## **Working with Changed Data Capture**

- CDC with ODI
- CDC implementations with ODI
- CDC implementation techniques
- Journalizing
- Results of CDC

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PRIVATE GROUP TRAINING

3 Day

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