



# ORACLE DATA INTEGRATOR (ODI) 19C

Course Code: 100728

Learn Oracle Data Integrator 19c configuring, administering, mapping, debugging and managing the ODI 19c environment.

Oracle Data Integrator 19c (ODI 19c) is a comprehensive, hands-on course that provides experience in configuring, administering, mapping, debugging and managing the ODI 19c environment.

## 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 Data Integrator 19c should take this course.

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CLASSROOM LIVE

\$3,245 CAD

3 Day

## Classroom Live Outline

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

- Introduction to Integration and Administration
- Oracle Data Integrator: Introduction
- Oracle Data Integrator Repositories

### **Administering ODI Repositories**

- Administering the ODI Repositories

### **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**

- 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**

- The purpose of CDC with ODI
- Types of CDC implementations
- CDC implementation techniques
- Journalizing
- Results of CDC

### **Advanced ODI Administration**

- Setting Up ODI Security
- Managing ODI Reports
- ODI Integration with Java EE

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PRIVATE GROUP TRAINING

3 Day

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