

# Oracle Data Integrator (ODI) Online Training Course Content

## INTRODUCTION

- Identifying the Course Content
- what is Oracle Data Integrator
- Why Oracle Data Integrator
- Overview of ODI 11g Architecture
- Overview of ODI 11g Components
- About Graphical Modules
- Types of ODI Agents
- Overview of Oracle Data Integrator Repositories

## INSTALLATIONS & CONFIGURATIONS

- Oracle 11G Database
- ODI 11G
- WebLogic Server 11G
- Configurations

## ADMINISTERING ODI REPOSITORIES AND AGENTS

- Administrating the ODI Repositories

- Creating Repository Storage Spaces
- Creating and Connecting to the Master Repository
- Creating and Connecting to the Work Repository
- Managing ODI Agents
- Creating a Physical Agent
- Launching a Listener, Scheduler and Web Agent
- Example of Load Balancing

## ODI TOPOLOGY CONCEPTS

- Overview of ODI Topology
- About Data Servers and Physical Schemas
- Defining the Physical Architecture
- Defining the Logical Architecture
- Mapping Logical and Physical Resources
- Defining Agents
- Defining a Topology
- Planning the Topology

## DESCRIBING THE PHYSICAL AND LOGICAL ARCHITECTURE

- Overview of Topology Navigator
- Creating Physical Architecture
- Creating a Data Server

- Testing a Data Server Connection
- Creating a Physical Schema
- Creating Logical Architecture
- Overview of Logical Architecture and Context Views
- Linking the Logical and Physical Architecture

## SETTING UP A NEW ODI PROJECT

- Overview of ODI Projects
- Creating a New Project
- Using Folders
- Organizing Projects and Folders
- Understanding Knowledge Modules
- Exchanging ODI Objects
- Exporting and Importing Objects
- Using Markers

## ORACLE DATA INTEGRATOR MODEL CONCEPTS

- What is a Model
- Understanding Metadata in ODI
- Understanding Reverse Engineering
- Creating Models
- Organizing Models
- Creating Data stores
- Using Constraints in ODI

- Creating Keys and References

## ORGANIZING ODI MODELS AND CREATING DATA STORES

- What is an Interface
- Business Rules for Interfaces
- What is a Mapping
- What is a Join
- What is a Filter
- What is a Constraint
- What is a Staging Area
- Creating a Basic Interface

## ODI INTERFACE CONCEPTS

- What is an Interface
- Business Rules for Interfaces
- What is a Mapping, Filter, Join
- Overview of Integration Process
- What is a Staging Area
- About Execution Location
- Using Knowledge Modules (KM) with ODI Interface
- Creating a Basic Interface

## DESIGNING INTERFACES

- Designing an Interface
- Multiple Source Data stores
- Creating Joins
- Filtering data
- Disabling Transformations
- Overview of the Flow
- Specifying the Staging Area
- Selecting Knowledge Modules

## INTERFACES: MONITORING AND DEBUGGING

- Monitoring Interfaces
- Using Operator
- Viewing Sessions and Tasks
- How to Monitor Execution of an Interface
- How to Troubleshoot a Session
- Keys to Reviewing the Generated Code
- Working with Errors
- Tips for Preventing Errors

## DESIGNING INTERFACES: ADVANCED TOPICS

- Using Business Rules in Interfaces
- Overview of Business Rule Elements
- Using variables
- Using User Functions
- Using Substitution Methods
- Modifying a KM
- Developing Your Own KM
- Using RKM for Customized Reverse Engineering

## USING ODI PROCEDURES

- What is a Procedure
- Examples of Procedures
- Creating Procedures
- Adding Commands
- Adding Options
- Running a Procedure
- Using Operator to View Results

## USING ODI PACKAGES

- What is a package
- Creating a package
- Executing a package
- Creating Advanced Packages
- Error handling
- Controlling an Execution Path
- Creating a Loop
- Using the Advanced tab

## MANAGING ODI SCENARIOS AND VERSIONS

- What is a Scenario
- Managing Scenarios
- Preparing Scenarios for Deployment
- Automating Scenario Management
- Scheduling the ODI Scenario
- Overview of ODI version management
- Using Version Browser and Version Comparison Tool
- Handling concurrent changes

## ENFORCING DATA QUALITY AND AUDITING DATA WITH ODI

- Why Data Quality

- When to Enforce Data Quality
- Data Quality in Source Applications
- Data Quality Control in the Integration Process
- Data Quality in the Target Applications
- Enforcing Data Quality
- Exploring Your Data
- Auditing Data Quality

## WORKING WITH CHANGED DATA CAPTURE

- Overview of ODI version management
- Techniques of Changed Data Capture
- Changed Data Capture in ODI
- CDC Strategies and Infrastructure
- CDC Consistency
- Using CDC
- Viewing Data/Changed data
- Using Journalizing

## ADMINISTERING ODI RESOURCES: ADVANCED TOPICS

- Using Open Tools
- Installing Open Tools
- Using Open Tools in a Package

- Using Open Tools in a Procedure or in a KM
- Developing Your Own Open Tools
- Setting Up ODI Security
- Defining Security Policies
- Defining Password Policies