

# Oracle Data Integrator 12c: Advanced Integration and Development

## Introduction

- Overview of Oracle Data Integrator

## ODI Knowledge Modules: Overview

- ODI Knowledge Modules: Overview
- Working with Knowledge Modules
- Developing Knowledge Modules

## Developing Knowledge Modules

- Developing Knowledge Modules: Best Practices
- Using Java in KMs
- Using Substitution Methods: Code Examples
- Troubleshooting Knowledge Modules

## Designing ODI Integration Mappings

- Integration Process: Overview
- Integration Mappings: Overview
- Designing Integration Mappings: Best Practices
- Maintaining Integrity of Data

## Designing Advanced Integration Mappings

- ODI Mappings: Advanced Functionality
- Partitioning
- Reusable Mappings

## Using Variables in ODI

- Using Variables: Overview
- Using Variables in ODI Objects
- Tracking Variables

## Accelerating Development with Groovy

- Interacting Programmatically with ODI
- Using Groovy Editor
- Performing SDK Tasks Using Java with Groovy Editor

## Working with ASCII Files

- Complex Files Concepts: Overview
- Complex Files: Configuring the Topology
- Complex Files in Integration Projects

## **Integration of ODI in Enterprise Environment and SOA**

- ODI Integration with Java EE
- Using Web Services with ODI: Overview
- Invoking Web Services
- Integration of ODI with SOA

## **Enhancing ODI Security**

- ODI Security: Overview
- Implementing a Strongly Secured Approach
- Security Integration
- Configuring ODI External Authentication

## **Choosing Integration Strategies: Best Practices**

- Defining an ODI Integration Strategies
- Strategies with Staging Area on the Target
- Strategies with Staging Area Different from the Target
- Using ODI for Bulk Processing
- Real-Time Data Integration: Using ODI with Oracle GoldenGate
- Working on ODI Projects: Best Practices

## **Cubes and Dimensions**

- Overview of Dimensions
- Overview of a Cube
- Create Dimensions
- Create Cubes