

Serverless ETL using OCI Data Integration

Application Development Learning Subscription

DURATION

2 Days

MODULES

9 Lectures

COURSE CODE

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Course Overview

Learn to simplify integration within the OCI eco-system with a graphical, no-code user interface that guides you through building the integration code.

What You Will Learn

- 1 Oracle Data Integration: Overview
 - Learning Objectives
 - Introduction to Data Integration Service
 - Data Integration Concepts
 - Data Integration Service: User Activities
 - Summary
 - Practice 1: Overview
- 2 Preparing for Data Integration Connectivity
 - Learning Objectives
 - Introduction to Networking
 - Network Component Configurations
 - Component Configurations
 - Creating Resources
 - Creating Resources for Data Integration Activities
 - Creating Resources: Example
 - Policies for Data Integration Users
 - Policies for Data Integration Users: Example
 - Policies for Data Integration Access to Resources
 - Policies for Data Integration Access to Resources: Example
 - Summary
- 3 Organizing Resources Using Workspace
 - Learning Objectives
 - Introduction to Workspace
 - Creating a Workspace
 - Creating a Workspace: Example

- Accessing a Workspace
- Accessing a Workspace: Example
- Navigating a Workspace
- Navigating a Workspace: Example
- Editing a Workspace
- Editing a Workspace: Example
- Adding Tags to a Workspace
- Viewing a Workspace's Tags
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- Viewing a Workspace's Tags: Example
- Moving Workspaces to a Different Compartment
- Moving Workspaces to a Different Compartment: Example
- Viewing a Workspace's Status
- Viewing a Workspace's Status: Example
- Stopping a Workspace
- Stopping a Workspace: Example
- Starting a Workspace
- Terminating a Workspace
- Terminating a Workspace: Example
- Summary
- Practice 3: Organizing Resources Using a Workspace
- 4 Working with Data Assets and Projects
- Learning Objectives
- Introduction to Data Assets
- Supported Data Sources for Data Assets
- Creating a Data Asset
- Creating an Oracle Database Data Asset
- Creating an Oracle Object Storage Data Asset
- Creating an Oracle Object Storage Data Asset: Example
- Creating an Autonomous Data Warehouse Data Asset
- Creating an ADW Data Asset
- Creating an Autonomous Data Warehouse Data Asset: Example
- Creating a Connection
- Editing a Connection
- Editing a Connection: Example
- Data Asset Details
- Data Asset Details: Example
- Editing a Data Asset
- Deleting a Data Asset
- Project: Creating a Project
- Project: Viewing Project Details
- Project: Editing a Project
- Project: Deleting a Project
- Folders: Creating a Folder
- Creating a Folder: Example
- Folders: Viewing a Folder

- Viewing a Folder: Example
- Folders: Editing a Folder
- Editing a Folder: Example
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- Folders: Deleting a Folder
- Summary
- Practice 4: Working with Data Assets and Projects
- 5 Working with Data Flow Designer
- Learning Objectives
- Data Flow: Introduction
- Data Flow Designer: Introduction
- Data Flow Designer: Toolbar
- Data Flow Designer: Canvas
- Data Flow Designer: Operators Panel
- Data Flow Designer: Properties
- Data Flow Designer: Properties – Example
- Data Flow Designer: Validation Panel
- Operators: Overview
- Operators: Source Operator
- Operators: Source Operator – Example
- Operators: Target Operator
- Target Operator: Selecting an Oracle Database target data entity
- Target Operator: Selecting an Oracle Object Storage target data entity
- Target Operator: Selecting an Autonomous Data Warehouse
- Target Operator: Viewing Attributes
- Target Operator: Mapping Attributes
- Target Operator: Example
- Operators: Filter Operator
- Filter Operator: Arithmetic Functions
- Filter Operator: Date/Time Functions
- Filter Operator: Binary String
- Filter Operator: String Functions
- Filter Operator: Comparison Operators
- Operators: Join Operator
- Join Operator: Example
- Operators: Expression Operator
- Expression Operator: Example
- Operators: Aggregate Operator
- Aggregate Operator: Example
- Creating a Data Flow: Introduction
- Creating a Data Flow: Adding a Source Operator
- Creating a Data Flow: Adding a Target Operator
- Creating a Data Flow: Adding a Target Operator
- Creating a Data Flow: Adding a Filter Operator
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- Creating a Data Flow: Adding a Join, Expression, Aggregator Operator

- Connecting Operators, and Validating and Saving the Data Flow
- Data Flow: Example
- Editing a Data Flow
- Moving a Data Flow
- Deleting a Data Flow
- Deleting a Data Flow: Example
- Summary
- Practice 5: Working with Data Flow Designer
- 6 Using Interactive Data Xplorer
- Learning Objectives
- Introduction to Data Xplorer
- Data Xplorer in Data Flow
- Data Xplorer in Data Flow: Example
- Data Xplorer in Data Loader
- Data Xplorer in Data Loader: Example
- Introduction to Transformations
- Types of Transformations
- Transformations: Exclude
- Transformations: Rename
- Transformations: Change Case
- Transformations: Merge Attributes
- Transformations: Replace
- Transformations: Extract
- Transformations: Null Fill Up
- Transformations: Example
- Summary
- Practice 6: Using Interactive Data Xplorer
- 7 Working with Parameters
- Learning Objectives
- Introduction to Parameters
- Using Parameters
- Parameters Panel
- Adding a Parameter
- Adding a Parameter: Example
- Assigning a Parameter
- Assigning a Parameter: Example
- Editing a Parameter
- Editing a Parameter: Example
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- Removing a Parameter
- Removing a Parameter: Example
- Deleting a Parameter
- Summary
- Practice 7: Working with Parameters
- 8 Performing Data Actions Using Tasks
- Learning Objectives

- Introduction to Integration Task
- Creating an Integration Task
- Creating an Integration Task: Example
- Editing an Integration Task
- Editing an Integration Task: Example
- Deleting an Integration Task
- Deleting an Integration Task: Example
- Data Loader Tasks
- Creating a Data Loader Task
- Creating a Data Loader Task: Example
- Editing a Data Loader Task
- Editing a Data Loader Task: Example
- Deleting a Data Loader Task
- Deleting a Data Loader Task: Example
- Publishing a Task
- Publishing a Task: Example
- Summary
- Practice 8: Performing Data Actions Using Tasks
- 9 Publishing an Application
- Learning Objectives
- Introduction to Applications
- Accessing Applications
- Creating Applications
- Creating Application: Example
- Viewing Application Details
- Introduction to Tasks
- Tasks – Example
- Running a Task
- Running Task: Example
- Task Runs
- Terminating Applications
- Terminating a Task: Example
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- Patches
- Patches: Example
- Editing Applications
- Editing Applications: Example
- Deleting Applications
- Deleting Applications: Example
- Monitoring Task Runs
- Monitoring Task Runs: Example
- Summary
- Practice 9: Publishing an Application