

# Process Automation Using Oracle Integration Cloud

Student Guide D1109333GC10



#### Copyright © 2025, Oracle and/or its affiliates.

#### Disclaimer

This document contains proprietary information and is protected by copyright and other intellectual property laws. The document may not be modified or altered in any way. Except where your use constitutes "fair use" under copyright law, you may not use, share, download, upload, copy, print, display, perform, reproduce, publish, license, post, transmit, or distribute this document in whole or in part without the express authorization of Oracle.

The information contained in this document is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

#### **Restricted Rights Notice**

If this documentation is delivered to the United States Government or anyone using the documentation on behalf of the United States Government, the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software" or "commercial computer software documentation" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

#### **Trademark Notice**

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

## Third-Party Content, Products, and Services Disclaimer

This documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

1005222025

# Contents

## 1 Get Started with Processes

Objectives 1-2

Processes in Oracle Integration 1-3

Process Language and Technology 1-4

Process Role: Administrator 1-5
Process Role: Developer 1-6
Process Role: End User 1-7

Process Role: Oracle Content Management User 1-8

Work with My Tasks Page 1-9

Work with Process Applications Page 1-10 Applications, Samples, and QuickStarts 1-11

Components in an Application 1-12

Summary 1-13

Practices for This Lesson 1-14

# 2 Create and Manage Applications

Objectives 2-2

QuickStart Apps 2-3

Create a New Application 2-4

Create a New Application Using QuickStart 2-5

Create a New Application from Scratch 2-6

Edit Process Application 2-7

Test and Activate the Application 2-10

Test Applications 2-12

Validate the Application 2-13

Save the Changes to an Application 2-14

Publish Changes to an Application 2-15

Work with Application Snapshots 2-16

Define Application Roles and Business Parameters 2-17

Localize Processes 2-18

Play Processes and Test Applications 2-19

Export Snapshots 2-20

Export Application 2-21

Import Applications and Snapshots 2-22

Generate Application Reports 2-23

Summary 2-24

Practices for This Lesson 2-25

# 3 Develop Structured Processes

Objectives 3-2

Structured Processes 3-3

Elements of Structured Processes 3-5

Create a Structured Process 3-6

Steps to Create a Structured Process 3-7

Work with Process Roles and Swimlanes 3-8

Work with Elements 3-10

Communicate Between Processes 3-11

Work with Human Tasks 3-12

Summary 3-14

Practices for This Lesson 3-15

# 4 Develop Dynamic Processes

Objectives 4-2

Dynamic Processes 4-3

How do dynamic processes work in process applications? 4-4

Model a Dynamic Process in Design Time 4-5

Configure the Activity Properties 4-7

Work with Dynamic Processes in Runtime 4-8

Summary 4-9

Practices for This Lesson 4-10

## 5 Create and Use Micro Processes

Objectives 5-2

Micro Processes in Process Applications 5-3

Create a Micro Process Link 5-4

Add Micro Processes to the Main Structured Workflow 5-5

Add Micro Processes to the Main Dynamic Workflow 5-6

Summary 5-7

Practices for This Lesson 5-8

### 6 Create Web Forms

Objectives 6-2

Work in the Web Forms Editor 6-3

Simple Web Forms Editor 6-4

Form Controls in Simple Web Forms Editor 6-5

Work with Presentations 6-6

Position Controls on Forms 6-7

Bind Form Data with Controls 6-8

Work with Stylesheets and Styling 6-9

Configure Basic Controls 6-10

Configure Advanced Controls 6-11

Specify Filters for Controls 6-12

Create Computed Controls 6-13

Localize Web Forms 6-14

Add Dynamic Behavior to a Form 6-15

Reuse Forms 6-16

Save Web Form Data 6-17

Summary 6-18

Practices for This Lesson 6-19

# 7 Manage Application Data

Objectives 7-2

Manage Data in Process Application 7-3

Steps to Manage Data in Process Application 7-4

Define Business Objects in a Process Application 7-5

Define Business Objects Using XML Schema 7-6

Create Business Objects in a Process Application 7-7

Associate and Manipulate Data 7-8

Data Association and Transformation 7-9

Summary 7-10

Practices for This Lesson 7-11

## 8 Create Decisions

Objectives 8-2

Decision Model in Process Applications 8-3

Work with Decision Models 8-4

Steps to Create a Decision Model 8-5

Create a Decision Model 8-6

Add and Order Decisions 8-7

Define Expressions with Friendly Enough Expression Language (FEEL) 8-8

Define Input and its Data Type in Decisions 8-9

Model Decision Logic: Decision Table, If-Then-Else, Expression 8-10

Test Decisions 8-11

Expose Decisions as Services 8-12

Activate Decisions and Create Snapshots 8-13

Manage Snapshots 8-14

Add Decisions to Applications and Processes 8-15

Summary 8-16
Practices for This Lesson 8-17

# 9 Develop Smart Processes

Objectives 9-2
Smart Sentries in Dynamic Processes 9-3
Configure a Decision Sentry in a Dynamic Process 9-4
Typical Steps to Configure a Decision Sentry in a Dynamic Process 9-5
Configure a REST Sentry in a Dynamic Process 9-6
Summary 9-8
Practices for This Lesson 9-9