

# Application Integration on Oracle Cloud

---

<b>Code:</b>	D105732GC30
<b>Length:</b>	3 days
<b>URL:</b>	<a href="#">View Online</a>

---

This training teaches you about leveraging Oracle Integration Cloud to create and configure connections and integrations for SaaS to SaaS, and SaaS to On-Premise integration use cases. This course is designed for business users and implementers who are responsible for defining and creating these integrations using the OIC dashboard

## Learn To:

- Use and configure the OIC built-in adapters.
- Understand the data mapping and data lookup features of OIC.
- Create OIC connections and integrations.
- Monitor integrations to view metrics and errors.

## Benefits to You

By taking this course, you'll become familiar with various use cases. You'll get a chance to learn about configuring built-in OIC adapter properties, defining inbound and outbound connections within integrations, mapping data, creating lookups, and monitoring integration uses cases for metrics and error information

## Skills Gained

- Understand OIC components, features, and capabilities
- Create Packages and leverage pre-built integrations
- Configure Trigger and invoke built-in OIC adapter properties
- Understand the steps for installing an on-premises agent
- Describe OIC security support at the integration flow level
- Use the OIC dashboard to get runtime data and metrics for connections and integrations
- Monitor and manage runtime integration errors
- Configure and use business identifiers for tracking fields
- Perform basic management tasks using the OIC REST API
- Define REST and SOAP adapter properties for integrating web services
- Describe the OIC-supported message exchange patterns
- Configure the Basic Map My Data 1-way and 2-way integration patterns
- Define the Publish to OIC and Subscribe to OIC integration patterns
- Create content-based routing filters and branches leveraging conditional expressions

- Transform data with the OIC mapper, XPath functions, and OIC lookups
- Describe how the agent framework implements connectivity for integrations

## Who Can Benefit

- Integration Developer
- Application Integration Specialist

## Prerequisites

Experience with PaaS and SaaS concepts, Knowledge of working with one specific SaaS application

## Course Details

### Topics

#### **Oracle Integration Cloud (OIC): Architectural Overview**

- Basic architecture & use case overview
- Understanding OIC components & capabilities
- Basic configuration workflow steps

#### **Creating Packages and Using Pre-built Integrations**

- Describe and use a pre-built OIC integration
- Create, export, and import packages
- Editing a pre-built OIC connection
- Versioning and Activating integrations

#### **Configuring Adapters and Defining Connections**

- Understanding OIC built-in adapters
- Configuring trigger and invoke adapter properties
- Defining REST and SOAP adapter properties
- Overview of available cloud adapters

#### **Defining and Configuring Integrations**

- Describe the OIC-supported message exchange patterns
- Understanding the steps for creating an OIC integration
- Using the Basic Map integration pattern
- Using the publish and subscribe to OIC integration pattern

#### **Data Mapping and Lookups**

- Transforming data with the OIC mapper
- Advanced mapping using XPath functions

- Understanding OIC data lookups
- Sharing information between applications using lookups
- Using the built-in lookup function

## **Advanced Integrations and Orchestrations**

- Creating content-based routing filters and branches
- Creating conditional expressions
- Using the Orchestration integration pattern

## **Orchestrations View Options**

- Leverage the three different views for editing Orchestration integrations
- Use the new Inline Menu
- Feature Flags in OIC - Lifecycle

## **Advanced Integrations and Orchestrations**

- Use the OIC Recommendation Engine for data mapping
- Take advantage of the new OIC Nested Scopes feature
- Leverage the new OIC Invoke Local Integrations feature
- Change connections in an integration using the REST API

## **Agents for SaaS and On-Premises Integration**

- Understand the benefits of using agents
- Describe how the agent framework implements connectivity for integrations
- Create a connection to on-premises endpoints
- Describe the steps to perform an agent management task

## **Monitoring Integrations**

- Using the OIC dashboard to get runtime data and metrics
- Understand how to filter and track messages
- Configure and use business identifiers for tracking fields
- Monitor and manage runtime integration errors

## **Migrating OIC Instances**

- Migration Overview
- High Level Steps for OIC Migration
- View Import Migration Report

## **OIC Best Practices**

- Overview of Antipatterns
- Integration That Talked Too Much
- Scheduled Job Which Never Gave Up
- Too Many Keys For The Same Door

- Reading More Than I Can Chew
- I Skipped The Spring Cleaning
  
- Basic architecture use case overview
- Understanding OIC components capabilities
- Basic configuration workflow steps

## **Creating Packages and Using Pre-built Integrations**

- Describe and use a pre-built OIC integration
- Create, export, and import packages
- Editing a pre-built OIC connection
- Versioning integrations
- Activating integrations

## **Configuring Adapters and Defining Connections**

- Understanding OIC built-in adapters
- Configuring trigger and invoke adapter properties
- Defining REST adapter properties
- Defining SOAP adapter properties
- Overview of available cloud adapters

## **Defining and Configuring Integrations**

- Describe the OIC-supported message exchange patterns
- Understanding the steps for creating an OIC integration
- Using the Basic Map Data 1-way and 2-way integration pattern
- Using the publish to OIC integration pattern
- Using the subscribe to OIC integration pattern
- Overview of data mapping
- Using other connections to enrich the response

## **Data Mapping and Lookups**

- Transforming data with the OIC mapper
- Advanced mapping using XPath functions
- Understanding OIC data lookups
- Sharing information between applications using lookups
- Using the built-in lookup function

## **Advanced Integrations and Orchestrations**

- Understanding content-based routing
- Creating content-based routing filters and branches
- Creating conditional expressions
- Using the Orchestration integration pattern

## **Orchestration View Options**

- Leverage the three different views for editing Orchestration integrations
- Use the new Inline Menu
- Feature Flags in OIC - Lifecycle

## **Additional OIC Capabilities**

- Use the OIC Recommendation Engine for data mapping
- Take advantage of the new OIC Nested Scopes feature
- Leverage the new OIC Invoke Local Integrations feature
- Change connections in an integration using the REST API

## **Agents for SaaS and On-Premises Integration**

- Understand the benefits of using agents as compared to direct integration with on-premise applications
- Describe how the agent framework implements connectivity for integrations
- Understand the steps for installing an on-premises agent
- Create a connection to on-premises endpoints
- Describe the steps to perform an agent management task

## **Security and Scheduling**

- Describe OIC security support at the integration flow level
- List the predefined roles and privileges in OIC
- Managing and assigning user roles
- Managing security certificates
- Securing on-premises agents
- Using integration schedules and jobs

## **Monitoring Integrations**

- Understand the main tasks available using the OIC monitor role in the OIC dashboard
- Using the OIC dashboard to get runtime data and metrics
- Understand how to filter and track messages
- Configure and use business identifiers for tracking fields
- Monitor and manage runtime integration errors

## **Managing Integrations by Using the OIC and ICS REST APIs**

- Leveraging the OIC and ICS REST APIs
- Perform basic management tasks by using the REST APIs
- Use HTTP status codes for troubleshooting

## **Migrating OIC Instances**

- Migration Overview
- High Level Steps for OIC Migration

- [View Import Migration Report](#)

## **OIC Best Practices**

- [Overview of Antipatterns](#)
  - [Integration That Talked Too Much](#)
  - [Scheduled Job Which Never Gave Up](#)
  - [Look, I Hacked My Integration](#)
  - [Synchronous Flow That Tried To Do Too Much](#)
  - [Too Many Keys For The Same Door](#)
  - [Reading More Than I Can Chew](#)
  - [I Skipped The Spring Cleaning](#)
-