

Application Integration on Oracle Cloud (D96905)

ID D96905 Preis 1.422,- € (exkl. MwSt.) Dauer 2 Tage

Kursüberblick

This training teaches you about leveraging Oracle ICS 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 ICS dashboard or the ICS REST API.

Learn To:

- Use and configure the ICS built-in adapters.
- Understand the data mapping and data lookup features of ICS.
- Create ICS 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 ICS adapter properties, defining inbound and outbound connections within integrations, mapping data, creating lookups, and monitoring integration uses cases for metrics and error information

Zielgruppe

- Application Developers
- Business Analysts
- Developer
- Support Engineer
- Technical Consultant
- Functional Implementer
- Business Intelligence Developer
- SOA Architect

Voraussetzungen

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

Kursziele

- Transform data with the ICS mapper, XPath functions, and ICS lookups
- Describe how the agent framework implements connectivity for integrations
- Understand ICS components, features, and capabilities
- Create Packages and leverage pre-built integrations
- Configure Trigger and invoke built-in ICS adapter properties
- Understand the steps for installing an on-premises agent
- Describe ICS security support at the integration flow level
- Use the ICS 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 ICS REST API
- Define REST and SOAP adapter properties for integrating web services
- Describe the ICS-supported message exchange patterns
- Configure the Basic Map My Data 1-way and 2-way integration patterns
- Define the Publish to ICS and Subscribe to ICS integration patterns
- Create content-based routing filters and branches leveraging conditional expressions

Kursinhalt

- ICS Overview
- Creating Packages & Using Pre-built Integrations

- Configuring Adapters and Defining Connections
- Defining and Configuring Integrations
- Data Mapping and Lookups
- Advanced Integrations and Orchestrations
- Agents for SaaS and On-Premises Integration
- Security / Schedules / Additional Features
- Monitoring Integrations
- Managing Integrations Using the ICS REST API

Detallierter Kursinhalt

ICS Overview

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

Creating Packages & Using Pre-built Integrations

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

Configuring Adapters and Defining Connections

- Understanding ICS 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 ICS-supported message exchange patterns
- Understanding the steps for creating an ICS integration
- Using the Basic Map My Data 1-way and 2-way integration pattern
- Using the Publish to ICS integration pattern
- Using the Subscribe to ICS integration pattern
- Overview of data mapping
- Using other connections to enrich the response

Data Mapping and Lookups

- Transforming data with the ICS mapper
- Advanced mapping using XPath functions
- Understanding ICS 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

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 / Schedules / Additional Features

- Describe ICS security support at the integration flow level
- List the predefined roles and privileges in ICS
- 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 ICS monitor role in the ICS dashboard
- Using the ICS 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 Using the ICS REST API

- Describe the ICS services that are exposed through REST APIs
- Access REST API resources
- Perform basic management tasks using the REST API
- Using HTTP status codes for troubleshooting