

Szkolenie: Oracle  
Oracle SOA Suite 12c: Build Composite Applications

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Tradycyjne	8890 PLN NETTO*	5 dni
Stacjonarne	Tablet CTAB	9490 PLN NETTO*	5 dni
Metoda dlearning	Tradycyjne	8890 PLN NETTO*	5 dni
Metoda dlearning	Tablet CTAB	8890 PLN NETTO*	5 dni

\* (+VAT zgodnie z obowiązującą stawką w dniu wystawienia faktury)

## LOKALIZACJE

Kraków - ul. Tatarska 5, II piętro, godz. 9:00 - 16:00

Warszawa - ul. Bielska 17, godz. 9:00 - 16:00

## Cel szkolenia:

This Oracle SOA Suite 12c: Build Composite Applications training teaches you how to design and develop SOA composite applications for application integration with services. You'll use a Service-Oriented Architecture (SOA) implementation approach.

## Plan szkolenia:

- Introduction to Service Oriented Architecture
  - Describing Service-Oriented Architecture (SOA)
  - Explaining Service Component Architecture
  - Reviewing of Services and Key Standards
  - Explaining the Oracle SOA Suite 12c Architecture and Components
  - Explaining Business Events and the Event Delivery Network
  - Installing the Oracle SOA Suite 12c Quickstart
- Getting Started with Composite Applications
  - Describing Basic Synchronous and Asynchronous Interaction Patterns
  - Discussing XSD and Web Services Description Language (WSDL)
  - Creating a Mediator Component
  - Defining a Routing Service
  - Creating XSL and XQuery Transformations with the XSLT Mapper
  - Introducing Working with Adapters
  - Creating a File Adapter Service Reference

- Examining the composite.xml Source
- Managing and Monitoring a Composite Application
  - Deploying a Composite Application
  - Versioning Applications
  - Discussing Application state
  - Using Configuration Plans
  - Managing the Life Cycle of a Composite Application
  - Testing a Composite Application
  - Managing SOA Applications with JDeveloper
  - Testing a Composite Application in Enterprise Manager
- Working With Data
  - Discussing Data Standards
  - Using Attributes
  - Introducing XSL Transformations
  - Using XPath Functions
  - Using the Mapper in JDeveloper
  - Testing Transformations
  - Working with Native Format Data
- Using the JMS and JDBC Adapters
  - Introducing Binding Components and JCA Adapters
  - Monitoring Adapters
  - Discussing JMS Messaging
  - Discussing Adapters and the WebLogic Application Server
  - Introducing the Oracle JMS Adapter
  - Configuring JMS Resources with WebLogic Administration Console
  - Configuring the JDBC Adapter
  - Discussing Transactionality
- Introduction to BPEL
  - Defining Business Processes and BPEL
  - Introducing Parts of a BPEL Process
  - Discussing Variables in a BPEL Process
  - Using the Sequence and Scope Activities
  - Using the BPEL Design Editor
  - Testing a BPEL Process in Enterprise Manager
- More BPEL Activities
  - Conditional Branching with the If Activity

- Processing with the Flow Activity
- Parallel and Sequential Looping with the Foreach Activity
- Suspending a Process with the Wait Activity
- Waiting for a Message with the Pick Activity
- Looping with the While Activity
- Indexing XML Arrays Dynamically
- Examining Structured and Extension BPEL 2.0 Activities
- Handling Faults in Composite Applications
  - Introducing Faults and Fault Handling Options
  - Managing Faults in Synchronous and Asynchronous Mediators
  - Returning Faults from Synchronous and Asynchronous BPEL Processes
  - Throwing Faults in BPEL Processes
  - Introducing Compensation and Compensation Handlers
  - Introducing the Fault Management Framework
  - Configuring Fault Policies
  - Recovering Faults with Enterprise Manager Fusion Middleware Control
- Introducing Human Tasks
  - Introducing Human Tasks
  - Creating and Configuring a Human Task in a Composite Application
  - Adding a Human Task to a BPEL Process
  - Generating and Deploying Task Display Forms
  - Using the Worklist Application to View and Act on Task Information
  - Introducing the Oracle User Messaging Service
  - Configuring UMS Notification Properties
  - Sending Notifications to User's Preferred Channel
- Sharing Functionality
  - Using the Design-time Meta Data Services (MDS) Repository to share files
  - Introducing Templates
    - Creating and Using Project, Service Component, and Scope Activity Templates
  - Introducing BPEL Subprocesses
    - Creating and Using Standalone Subprocesses
    - Creating and Using Inline Subprocesses
  - Describing the Differences Between Templates and Subprocesses
- Using the REST Adapter
  - Introducing REST Services
  - Comparing REST and SOAP Web Services

- Creating and Configuring a REST Adapter
- Introducing Business Rules
  - Introducing the Business Rule Component
  - Describing the Oracle Business Rules Architecture
  - Creating Rules and Decision Tables with the JDeveloper Rule Editor
  - Examining Business Rule Component Files
  - Describing the Role of the Rules SDK
  - Editing Business Rules at Runtime
- Designing and Managing Business Events
  - Describing the Event Delivery Network
  - Creating a Business Event
  - Publishing an Event
  - Subscribing to an Event
  - Managing Events in Oracle Enterprise Manager
- Testing SOA Composite Applications
  - Introducing the Composite Test Framework
  - Defining Emulations and Assertions
  - Discussing Test Suites and Test Cases
  - Testing Initiation of Inbound Messages
  - Emulating Outbound, Fault, and Callback Messages
  - Running Test Cases
  - Examining Results of a Test Run
  - Using the SOA Debugger to Debug Composite Applications
- Securing Services and Composite Applications
  - Explaining Security for Services
  - Describing the Fusion Middleware Security Architecture
  - Attaching Security Policies at Design Time in JDeveloper
  - Attaching Security Policies Post-Deployment in Enterprise Manager

## Wymagania:

### Wymagane prerekwizyty:

- Knowledge of XML, XML Schema, XSL Transformations and XPath
- Knowledge of web service standards, including SOAP and WSDL.

## Poziom trudności



## Certyfikaty:

Uczestnicy szkoleń otrzymają zaświadczenia o ukończeniu kursu sygnowane przez firmę Oracle.

## Prowadzący:

Autoryzowany wykładowca Oracle.