

Szkolenie: Oracle  
Oracle SOA Suite 11g: Build Composite Applications

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Cyfrowe	8890 PLN NETTO*	5 dni
Stacjonarne	Tablet CTAB	9490 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 course teaches you to design and develop SOA composite applications for application integration with services. You'll use a Service-Oriented Architecture (SOA) implementation approach.

### Learn To:

- Create a SOA Composite application using JDeveloper
- Initiate SOA composite applications using the Events Delivery Network
- Test, debug, and troubleshoot a SOA composite application
- Apply security policies to service endpoints

## 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 11g architecture and components
  - Explaining Business Events and the Event Delivery Network
- 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 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
  - Using Dictionaries
  - 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
  - Discussing Synchronous and Asynchronous Interaction Patterns
- Handling Faults in Composite Applications
  - Introducing Faults and Fault Handling options
  - Managing Faults in Synchronous and Asynchronous Mediators
  - Introducing Faults and Fault Handlers in BPEL Processes
  - Returning Faults from Synchronous and Asynchronous Processes
  - Throwing Faults
  - Introducing Compensation and Compensation Handlers
  - Introducing the Fault Management Framework
  - 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 Users Preferred Channel
- 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
- 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
  - Debugging 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
- 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
- Monitoring Composite Applications with Sensors and Oracle BAM
  - Creating and configuring BPEL sensors
  - Creating and configuring composite sensors
  - Introducing Business Activity Monitoring
  - Creating a Data Object with BAM Architect
  - Preparing an Oracle BAM Dashboard
  - Integrating Oracle BAM with the BAM Adapter
  - Creating and configuring a BAM Sensor Action in a BPEL Process
  - Introducing Oracle Complex Event Processing
- Oracle BPM, Governance, and the SOA Suite
  - Exploring another definition of Business Process
  - Introducing the Oracle Business Process Management Suite
  - Explaining the elements of a BPMN Business Process Model
  - Discussing SOA challenges and governance objectives

- Introducing the Oracle Governance solution
- Describing the governance lifecycle

## Wymagania:

### Recommended Related Training Courses:

- Oracle SOA Suite 11g: Essential Concepts
- XML Fundamentals Ed 1.1 NEW
- Oracle BAM 11g: Build Real-Time Dashboards
- Oracle SOA Suite 11g: Administration
- SOA Adoption and Architecture Fundamentals

## Poziom trudności



## Certyfikaty:

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

## Prowadzący:

Autoryzowany wykładowca Oracle.