Szkolenie: Oracle
Oracle Data Integrator 12c: Integration and Administration

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<th>FORMA SZKOLENIA</th>
<th>MATERIAŁY SZKOLENIOWE</th>
<th>CENA</th>
<th>Czas Trwania</th>
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<td>Stacjonarne Tradycyjne</td>
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<td>Stacjonarne Tablet CTAB</td>
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* (+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:

Oracle Data Integrator is a comprehensive data integration platform that covers all data integration requirements from high-volume, high-performance batch loads, to event-driven integration processes and SOA-enabled data services. Oracle Data Integrator’s Extract, Load, Transform (E-LT) architecture leverages disparate RDBMS engines to process and transform the data - the approach that optimizes performance, scalability and lowers overall solution costs.

Plan szkolenia:

- Introduction
  - Identifying the Course Units
  - What is Oracle Data Integrator?
  - Why Oracle Data Integrator?
  - Overview of ODI Architecture
  - Overview of ODI Components
  - About Graphical Modules
  - Types of ODI Agents
  - Overview of Oracle Data Integrator Repositories
- Administering ODI Repositories and Agents
  - Administering the ODI Repositories
  - Creating Repository Storage Spaces
- Creating and Connecting to the Master Repository
- Creating and Connecting to the Work Repository
- Managing ODI Agents
- Creating a Physical Agent
- Launching a Listener, Scheduler and Web Agent
- Example of Load Balancing

- ODI Topology Concepts
  - Overview of ODI Topology
  - About Data Servers and Physical Schemas
  - Defining the Physical Architecture
  - Defining the Logical Architecture
  - Mapping Logical and Physical Resources
  - Defining Agents
  - Defining a Topology
  - Planning the Topology

- Describing the Physical and Logical Architecture
  - Overview of Topology Navigator
  - Creating Physical Architecture
  - Creating a Data Server
  - Testing a Data Server Connection
  - Creating a Physical Schema
  - Creating Logical Architecture
  - Overview of Logical Architecture and Context Views
  - Linking the Logical and Physical Architecture

- Setting Up a New ODI Project
  - Overview of ODI Projects
  - Creating a New Project
  - Creating and Maintaining Folders
  - Organizing Projects and Folders
  - Understanding Knowledge Modules
  - Exchanging ODI Objects and Sharing Global Objects
  - Exporting and Importing Objects
  - Creating and Labeling with Markers

- Oracle Data Integrator Model Concepts
  - What is a Model?
  - Understanding Metadata in ODI
- Understanding Reverse Engineering
- Creating Models
- Organizing Models
- Creating Data stores
- Configuring Constraints in ODI
- Creating Keys and References

- Organizing ODI Models and Creating Data stores
  - What is a Mapping?
  - Business Rules for Mappings
  - Creating a Basic Mapping
  - What is a Join?
  - What is a Filter?
  - What is a Constraint?
  - What is a Staging Area?

- ODI Mapping Concepts
  - What is a Mapping?
  - Business Rules for Mapping
  - What is a Mapping, a Filter, a Join?
  - Overview of Integration Process
  - What is a Staging Area?
  - Execution Location
  - Mapping with Knowledge Modules (KM)
  - Creating an Intermediate Mapping

- Designing Mappings
  - Designing a Mapping
  - Multiple Source Data stores
  - Creating Joins
  - Filtering Data
  - Disabling Transformations
  - Overview of the Flow
  - Specifying the Staging Area
  - Selecting Knowledge Modules

- Mapping: Monitoring and Debugging
  - Monitoring Mappings
  - Creating Objects with Operator
  - Viewing Sessions and Tasks
- How to Monitor Execution of a Mapping
- How to Troubleshoot a Session
- Keys to Reviewing the Generated Code
- Working with Errors
- Tips for Preventing Errors

- Designing Mappings: Advanced Topics
  - Mapping with Business Rules
  - Overview of Business Rule Elements
  - Creating and Tracking Variables
  - Creating User Functions
  - Mapping Substitution Methods
  - Modifying a KM
  - Showing Variable Values in Log
  - Customizing Reverse Engineering Using RKM

- Creating and Running ODI procedures
  - What is a Procedure?
  - Examples of Procedures
  - Creating Procedures
  - Adding Commands
  - Adding Options
  - Running a Procedure
  - Viewing Results with Operator

- Creating and Running ODI Packages
  - What is a Package?
  - Creating a Package
  - Executing a Package
  - Creating Advanced Packages
  - Error Handling
  - Controlling an Execution Path
  - Creating a Loop
  - Using the Advanced tab

- Managing ODI Scenarios and Versions
  - What is a Scenario?
  - Managing Scenarios with Load Plans
  - Preparing Scenarios for Deployment
  - Automating Scenario Management
○ Scheduling the ODI Scenario
○ Overview of ODI version management
○ Handling concurrent changes

○ Enforcing Data Quality and Auditing Data with ODI
  ○ Why Data Quality?
  ○ When to Enforce Data Quality?
  ○ Data Quality in Source Applications
  ○ Data Quality Control in the Integration Process
  ○ Data Quality in the Target Applications
  ○ Enforcing Data Quality
  ○ Exploring Your Data
  ○ Auditing Data Quality

○ Working with Changed Data Capture
  ○ Overview of ODI version management
  ○ Techniques of Changed Data Capture
  ○ Changed Data Capture in ODI
  ○ CDC Strategies and Infrastructure
  ○ CDC Consistency
  ○ Creating Change Data Capture (CDC)
  ○ Viewing Data/Changed data
  ○ Journalizing

○ Administering ODI Resources: Advanced Topics
  ○ Using Open Tools
  ○ Installing Open Tools
  ○ Using Open Tools in a Package
  ○ Using Open Tools in a Procedure or in a KM
  ○ Developing Your Own Open Tools
  ○ Setting Up ODI Security
  ○ Defining Security Policies
  ○ Defining Password Policies

○ Creating Web Services and Integration of ODI with SOA
  ○ Web Services in Action
  ○ Using Data Services
  ○ Setting Up Data Services
  ○ Testing Data Services
  ○ Installing Public Web Services
○ Using Public Web Services
○ Invoking Web Services
○ Integrating ODI with SOA
○ Extending ODI with the SDK
  ○ Coding SDK Public Interfaces
  ○ Integrating through ODI SDK
  ○ Examining SDK examples

Wymagania:

Wymagane prerekwizyty:

○ Basic knowledge of ELT data processing

Sugerowane prerekwizyty:

○ Working knowledge of SQL

Poziom trudności

Certyfikaty:

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

Prowadzący:

Autoryzowany wykładowca Oracle.