

Szkolenie: Oracle  
**Oracle Database 11g: Administration Workshop II**


FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Cyfrowe	7450 PLN NETTO*	5 dni
Stacjonarne	Tablet CTAB	8050 PLN NETTO*	5 dni
Metoda dlearning	Cyfrowe	7450 PLN NETTO*	5 dni
Metoda dlearning	Tablet CTAB	7450 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 Database 11g: Administration Workshop II** Release 2 training takes the database administrator beyond the basic tasks covered in the first workshop. You'll begin by gaining a deep understanding of the most important responsibilities a DBA has: performing backup and recovery.

### Learn To:

- Diagnose and repair data failures with Flashback technology.
- Manage space to optimize database storage so you can respond to growing space requirements.
- Monitor and manage major database components, including memory, performance and resources.
- Secure the availability of your database through appropriate backup and recovery strategies.
- Automate DBA tasks with the Scheduler.

## Plan szkolenia:

- Core Concepts and Tools of the Oracle Database
  - The Oracle Database Architecture: Overview
  - ASM Storage Concepts
  - Connecting to the Database and the ASM Instance
  - DBA Tools Overview

- Configuring for Recoverability
  - Purpose of Backup and Recovery (B&R), Typical Tasks and Terminology
  - Using the Recovery Manager (RMAN)
  - Configuring your Database for B&R Operations
  - Configuring Archivelog Mode
  - Configuring Backup Retention
  - Configuring and Using a Flash Recovery Area (FRA)
- Using the RMAN Recovery Catalog
  - Tracking and Storing Backup Informatio
  - Setting up a Recovery Catalog
  - Recording Backups
  - Using RMAN Stored Scripts
  - Managing the Recovery Catalog (Backup, Export, Import, Upgrade, Drop and Virtual Private Catalog)
- Configuring Backup Settings
  - Configuring and Managing Persistent Settings for RMAN
  - Configuring Autobackup of Control File
  - Backup optimization
  - Advanced Configuration Settings: Compressing Backups
  - Configuring Backup and Restore for Very Large Files (Multisection)
- Creating Backups with RMAN
  - RMAN backup types
  - Creating and Using the following:
    - Backup Sets and Image Copies
    - Whole Database Backup
    - Fast Incremental Backup
    - Configure Backup Destinations
    - Duplexed Backup Sets
    - Archival Backups
- Restore and Recovery Task
  - Restoring and Recovering
  - Causes of File Loss
  - Automatic Tempfile Recovery
  - Recovering from the Loss of a Redo Log Group
  - Recovering from a Lost Index Tablespace
  - Re-creating a Password Authentication File
  - Complete and Incomplete Recovery

- Other Recovery Operations
- Using RMAN to Perform Recovery
  - Complete Recovery after Loss of a Critical or Noncritical Data File
  - Recovering Image Copies and Switching Files
  - Restore and Recovery of a Database in NOARCHIVELOG Mode
  - Incomplete Recovery
  - Performing Recovery with a Backup Control File
  - Restoring from Autobackup: Server Parameter File and Control File
  - Restoring and Recovering the Database on a New Host
- Monitoring and Tuning RMAN
  - Monitoring RMAN Jobs
  - Balance Between Speed of Backup Versus Speed of Recovery
  - RMAN Multiplexing
  - Synchronous and Asynchronous I/O
  - Explaining Performance Impact of MAXPIECESIZE, FILESPERSET, MAXOPENFILES and BACKUP DURATION
- Diagnosing the Database
  - Data Recovery Advisor (DRA)
  - Block Corruption
  - Automatic Diagnostic Repository (ADR)
  - Health Monitor
  - The ADR Command-Line Tool, ADRCI
- Using Flashback Technology I
  - Flashback Technology: Overview and Setup
  - Using Flashback Technology to Query Data
  - Flashback Table
  - Flashback Transaction Query
  - Performing Flashback Transaction Backout
- Using Flashback Technology II
  - Oracle Total Recall
  - Flashback Drop and the Recycle Bin
- Performing Flashback Database
  - Configuring Flashback Database
  - Performing Flashback Database Operations
  - Monitoring Flashback Database
- Managing Memory

- Oracle Memory Structures
- Oracle Database Memory Parameters
- Using Automatic Memory Management
- Automatic Shared Memory Management
- Using Memory Advisors
- Using Data Dictionary Views
- Managing Database Performance
  - Tuning Activities
  - Using Statistic Preferences
  - Optimizer Statistics Collection
  - Monitor the Performance of Sessions and Services
  - Automatic Workload Repository (AWR)
  - Describing the Benefits of Database Replay
- Managing Performance by SQL Tuning
  - SQL Tuning and SQL Advisors
  - Using SQL Tuning Advisor
  - SQL Access Advisor
  - SQL Performance Analyzer Overview
- Managing Resources
  - Database Resource Manager: Overview and Concepts
  - Accessing and Creating Resource Plans
  - Creating Consumer Group
  - Specifying Resource Plan Directives, including:
    - Limiting CPU Utilization at the Database Level
    - Instance Caging
  - Activating a Resource Plan
  - Monitoring the Resource Manager
- Automating Tasks with the Scheduler
  - Simplifying Management Tasks
  - Creating a Job, Program, and Schedule
  - Using Time-Based, Event-Based, and Complex Schedules
  - Describing the Use of Windows, Window Groups, Job Classes, and Consumer Groups
  - Multi-Destination Jobs
- Managing Space in Blocks
  - Free Space Management
  - Monitoring Space

- Compressing Data
- Managing Space in Segments
  - Segment Creation on Demand
  - Additional Automatic Space-Saving Functionalit
  - Shrinking Segments
  - Segment Advisor
  - Managing Resumable Space Allocation
- Managing Space for the Database
  - Using 4 KB-Sector Disks
  - Transporting Tablespaces
  - Transporting Databases
- Duplicating a Database
  - Purpose and Methods of Cloning a Database
  - Using RMAN to Create a Duplicate Database
  - Cloning a Database from a Backup
  - Duplicate a Database Based on a Running Instance
  - Targetless Duplicating a Database

## Wymagania:

### Recommended Related Training Courses:

- Oracle Database 11g: Security Release 2
- Oracle Database 11g: Performance Tuning DBA Release 2
- Oracle Database 11g: Backup and Recovery Workshop
- Oracle 11g: RAC and Grid Infrastructure Administration Accelerated Release 2

## Poziom trudności



## Certyfikaty:

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

## Prowadzący:

Autoryzowany wykładowca Oracle.