

Szkolenie: Oracle  
Oracle Database 12c: Backup and Recovery Workshop

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

## DOSTĘPNE TERMINY

2019-09-30 | 5 dni | Warszawa

2019-11-04 | 5 dni | Kraków

## Cel szkolenia:

This **Oracle Database 12c: Backup and Recovery Workshop** will teach you how to evaluate your own recovery requirements. You'll develop appropriate strategies for backup, restore and recovery procedures from provided scenarios.

### Learn To:

- Develop appropriate backup and recovery procedures to address your business needs.
- Implement backup and recovery settings and perform backup operations to disk and tape.
- Employ Oracle Database recovery procedures to recover from media and other failures.
- Diagnose and repair data failures.
- Use Flashback Technologies and data duplication to complement backup and recovery procedures.
- Secure the availability of your database by appropriate backup and recovery strategies.

## Plan szkolenia:

- Introduction

- Curriculum Context
- Assess your Recovery Requirements
- Categories of failures
- Oracle Backup and Recovery Solutions
- Oracle Maximum Availability Architecture
- Oracle Secure Backup
- Benefits of using Oracle Data Guard
- Basic Workshop Architecture
- Getting Started
  - Core Concepts of the Oracle Database, Critical for Backup and Recovery
  - Oracle DBA Tools for Backup and Recovery
  - Connecting to Oracle Recovery Manager (RMAN)
  - Quick Start: A Problem-Solution Approach
- Configuring for Recoverability
  - RMAN commands
  - Configuring and managing persistent settings
  - Using the Fast Recovery Area (FRA)
  - Control File
  - Redo Log File
  - Archiving Logs
- Using the RMAN Recovery Catalog
  - Creating and Configuring the Recovery Catalog
  - Managing Target Database Records in the Recovery Catalog
  - Using RMAN Stored Scripts
  - Maintaining and Protecting the Recovery Catalog
  - Virtual Private Catalogs
- Backup Strategies and Terminology
  - Backup Solutions Overview and Terminology
  - Balancing Backup and Restore Requirements
  - Backing Up Read-Only Tablespaces
  - Best Practices for Data Warehouse Backups
  - Additional Backup Terminology
- Performing Backups
  - RMAN Backup Types
  - Incrementally Updated Backups
  - Fast Incremental Backup

- Block Change Tracking
- Oracle-Suggested Backup
- Reporting on Backups
- Managing Backups
- Improving Your Backups
  - Compressing Backups Using a Media Manager
  - Creating RMAN Multisection Backups, Proxy Copies, Duplexed Backup Sets and Backups of Backup Sets
  - Creating and Managing Archival Backups
  - Backing Up Recovery Files
  - Backing Up the Control File to a Trace File
  - Cataloging Additional Backup Files
  - Backing Up ASM Disk Group Metadata
- Using RMAN-Encrypted Backups
  - Creating RMAN-Encrypted Backups
  - Using Transparent-Mode Encryption
  - Using Password-Mode Encryption
  - Using Dual-Mode Encryption
- Diagnosing Database Failures
  - Reducing Problem Diagnosis Time
  - Automatic Diagnostic Repository
  - Interpreting RMAN Message Output and Error Stacks
  - Data Recovery Advisor
  - Diagnosing Data File Loss (file system and ASM)
  - Handling Block Corruption
- Restore and Recovery Concepts
  - Restoring and Recovering
  - Instance Failure and Instance/Crash Recovery
  - Media Failure
  - Complete Recovery (Overview)
  - Point-in-Time Recovery (Overview)
  - Recovery Through RESETLOGS
- Performing Recovery, Part 1
  - RMAN Recovery in NOARCHIVELOG Mode
  - Performing Complete Recovery (of critical and noncritical data files)
  - Restoring ASM Disk Groups

- Recovery with Image Files
- Performing Point-in-Time (PITR) or Incomplete Recovery
- Table Recovery from Backups
- Performing Recovery, Part 2
  - Recovery of Server Parameter File, Control File
  - Redo Log File Loss and Recovery
  - Password Authentication File Re-creation
  - Index, Read-Only Tablespace, and Tempfile Recovery
  - Restoring the Database to a New Host
  - Disaster Recovery
  - Restoring RMAN Encrypted Backups
- RMAN and Oracle Secure Backup
  - Oracle Secure Backup Overview
  - Oracle Database Disk and Tape Backup Solution
  - Backing Up the Fast Recovery Area to Tape
  - Defining Retention for RMAN Backups
  - RMAN and Oracle Secure Backup Basic Process Flow
  - Integration with Cloud Control
  - RMAN Database Backup to Tape
- Performing Tape Backups and Restores
  - Scheduling Backups with EM
  - Oracle-Suggested Backup
  - RMAN and OSB Process Flow
  - RMAN and Oracle Secure Backup Jobs
  - Managing Database Tape Backups
  - Performing Database Recovery
  - RMAN Automatic Failover to Previous Backup
- Using Flashback Technologies
  - Flashback Technology: Overview and Setup
  - Using Flashback Technology to Query Data
  - Flashback Table
  - Flashback Transaction (Query and Backout)
  - Flashback Drop and the Recycle Bin
  - Flashback Data Archive
- Using Flashback Database
  - Flashback Database Architecture Configuring Flashback Database Performing Flashback

## Database Best Practices for Flashback Database

- Managing Backup Space or Transporting Data
  - Transporting Tablespaces
  - Transporting Databases
- Duplicating a Database
  - Using a Duplicate Database
  - Choosing Database Duplication Techniques
  - Creating a Backup-up Based Duplicate Database
  - Understanding the RMAN Duplication Operation
  - Using Cloud Control to Clone a Database
- RMAN Performance and Tuning
  - Tuning Principles
  - RMAN Multiplexing
  - Diagnosing Performance Bottlenecks
  - Restore and Recovery Performance Best Practices
- Backup and Recovery Workshop
  - Workshop Structure
  - Workshop Approach to Solving Failure Scenarios
  - Business Requirements for Database Availability and Procedures

## Wymagania:

### Recommended Related Training Courses:

- Oracle Database 12c: Global Data Services
- [Oracle WebLogic Server 12c: Administration I](#)
- [Oracle Database 12c: Data Guard Administration](#)
- [Oracle Database 12c: Performance Management and Tuning](#) **NEW**
- [Oracle Database 12c: Clusterware Administration](#)
- [Oracle WebLogic Server 12c: Administration II](#)

## Poziom trudności



## Certyfikaty:

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

Prowadzący:

Autoryzowany wykładowca Oracle.