

Szkolenie: Oracle
Oracle Database 11g: Administration Workshop I


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 I** Release 2 course explores the fundamentals of basic database administration. Expert Oracle University instructors will reinforce topics with structured hands-on practices that will prepare you for the corresponding Oracle Certified Associate exam.

Learn To:

- Install Oracle Grid Infrastructure.
- Create and manage users.
- Install and configure an Oracle Database.
- Create and manage storage structures.
- Administer the Oracle Database.
- Understand the Oracle database architecture and how its components work and interact with one another.
- Perform backup and recovery.

Plan szkolenia:

- Exploring the Oracle Database Architecture
 - Oracle Database Architecture Overview
 - Oracle ASM Architecture Overview

- Process Architecture
- Memory structures
- Logical and physical storage structures
- ASM storage components
- Installing your Oracle Software
 - Tasks of an Oracle Database Administrator
 - Tools Used to Administer an Oracle Database
 - Installation: System Requirements
 - Oracle Universal Installer (OUI)
 - Installing Oracle Grid Infrastructure
 - Installing Oracle Database Software
 - Silent Install
- Creating an Oracle Database
 - Planning the Database
 - Using the DBCA to Create a Database
 - Password Management
 - Creating a Database Design Template
 - Using the DBCA to Delete a Database
- Managing the Oracle Database Instance
 - Start and stop the Oracle database and components
 - Use Oracle Enterprise Manager
 - Access a database with SQLPlus
 - Modify database installation parameters
 - Describe the stages of database startup
 - Describe database shutdown options
 - View the alert log
 - Access dynamic performance views
- Manage the ASM Instance
 - Set up initialization parameter files for ASM instance
 - Start up and shut down ASM instances
 - Administer ASM disk groups
- Configuring the Oracle Network Environment
 - Use Enterprise Manager to create and configure the Listener
 - Enable Oracle Restart to monitor the listener
 - Use tnsping to test Oracle Net connectivity
 - Identify when to use shared servers and when to use dedicated servers

- Managing Database Storage Structures
 - Storage Structures
 - How Table Data Is Stored
 - Anatomy of a Database Block
 - Space Management in Tablespaces
 - Tablespaces in the Preconfigured Database
 - Actions with Tablespaces
 - Oracle Managed Files (OMF)
- Administering User Security
 - Database User Accounts
 - Predefined Administrative Accounts
 - Benefits of Roles
 - Predefined Roles
 - Implementing Profiles
- Managing Data Concurrency
 - Data Concurrency
 - Enqueue Mechanism
 - Resolving Lock Conflicts
 - Deadlocks
- Managing Undo Data
 - Data Manipulation
 - Transactions and Undo Data
 - Undo Data Versus Redo Data
 - Configuring Undo Retention
- Implementing Oracle Database Auditing
 - Describe DBA responsibilities for security
 - Enable standard database auditing
 - Specify audit options
 - Review audit information
 - Maintain the audit trail
- Database Maintenance
 - Manage optimizer statistics
 - Manage the Automatic Workload Repository (AWR)
 - Use the Automatic Database Diagnostic Monitor (ADDM)
 - Describe and use the advisory framework
 - Set alert thresholds

- Use server-generated alerts
- Use automated tasks
- Performance Management
 - Performance Monitoring
 - Managing Memory Components
 - Enabling Automatic Memory Management (AMM)
 - Automatic Shared Memory Advisor
 - Using Memory Advisors
 - Dynamic Performance Statistics
 - Troubleshooting and Tuning Views
 - Invalid and Unusable Objects
- Backup and Recovery Concepts
 - Part of Your Job
 - Statement Failure
 - User Error
 - Understanding Instance Recovery
 - Phases of Instance Recovery
 - Using the MTTR Advisor
 - Media Failure
 - Archive Log Files
- Performing Database Backups
 - Backup Solutions: Overview
 - Oracle Secure Backup
 - User-Managed Backup
 - Terminology
 - Recovery Manager (RMAN)
 - Configuring Backup Settings
 - Backing Up the Control File to a Trace File
 - Monitoring the Flash Recovery Area
- Performing Database Recovery
 - Opening a Database
 - Data Recovery Advisor
 - Loss of a Control File
 - Loss of a Redo Log File
 - Data Recovery Advisor
 - Data Failures

- Listing Data Failures
- Data Recovery Advisor Views
- Moving Data
 - Describe ways to move data
 - Create and use directory objects
 - Use SQL*Loader to move data
 - Use external tables to move data
 - General architecture of Oracle Data Pump
 - Use Data Pump export and import to move data
- Working with Support
 - Use the Enterprise Manager Support Workbench
 - Work with Oracle Support
 - Log service requests (SR)
 - Manage patches

Wymagania:

Recommended Related Training Courses:

- Oracle Database 11g: Administration Workshop II Release 2
- Oracle Database 11g: SQL Tuning Workshop Release 2
- Oracle Database 11g: Performance Tuning DBA Release 2
- Oracle Database 11g: Backup and Recovery Workshop

Poziom trudności



Certyfikaty:

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

Prowadzący:

Autoryzowany wykładowca Oracle.