

Szkolenie: Oracle  
Oracle Database 12c: Clusterware Administration

FORMA SZKOLENIA	MATERIAŁY SZKOLENIOWE	CENA	CZAS TRWANIA
Stacjonarne	Tradycyjne	7112 PLN NETTO*	5 dni
Stacjonarne	Tablet CTAB	7712 PLN NETTO*	5 dni
Metoda dlearning	Tradycyjne	7112 PLN NETTO*	5 dni
Metoda dlearning	Tablet CTAB	7112 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 12c: Clusterware Administration training will explore general cluster concepts and Oracle Clusterware architecture. Work with expert Oracle University instructors through interactive instruction and hands-on exercises to reinforce your learning.

## Plan szkolenia:

- Introduction to Grid Infrastructure
  - What is a Cluster?
  - What is a Flex Cluster?
  - Clusterware Characteristics
  - Oracle Clusterware
  - Hardware and Software Concepts (High level)
  - Shared Storage Overview
- Oracle Clusterware Architecture
  - Cluster Storage Requirements
  - Clusterware Initialization and OHASD
  - Clusterware Process Architecture
  - Location Independent Names, Addresses and Name Resolution (GNS, SCAN, VIP..)
  - Shared GNS Background and Architecture

- Configuring shared GNS
- Migrating to shared GNS
- Moving GNS to Another Cluster
- Flex Cluster Architecture
  - Flex Cluster Architecture
  - Configuring Flex Cluster
  - Flex Clusters and Node Failure
- Grid Infrastructure Pre-Installation Tasks
  - Shared Storage for Oracle Clusterware
  - Checking System Requirements
  - Single Client Access Name for the Cluster
  - Redundant Interconnect Usage
  - Kernel Requirements
  - Groups and Users
  - Shell Settings
  - Oracle Validated Configuration
- Installing Grid Infrastructure
  - Installing Oracle Grid Infrastructure
  - Installing Flex Cluster
  - Verifying the Oracle Clusterware Installation
- Managing Cluster Nodes
  - Adding Oracle Clusterware Homes
  - Prerequisites for Running addNode.sh
  - Adding a Node with addNode.sh
  - Configuring the node role
  - Removing a Node from the Cluster
- Traditional Clusterware Management
  - Oracle Clusterware startup and shutdown
  - Administering the Voting Disk file
  - Administering the Oracle Cluster Registry Disk file
  - Network Administration
  - What-If Command Evaluation
  - Clusterware Admin Tools Review
- Policy-Based Cluster Management
  - Policy-Based Cluster Management Overview
  - Server Categorization

- Policy Set
- Patching Grid Infrastructure
  - Out-of-Place Oracle Clusterware Upgrade
  - Types of Patches
  - Obtaining Oracle Clusterware Patches
  - Rolling Patches
  - Installing a Rolling Patchset with OUI
  - OPatch Overview
  - Installing a Rolling Patch with OPatch
  - OPatch Automation
- Troubleshooting Oracle Clusterware
  - Diagnostic Framework Support for CRS
  - Cluster Health Monitor Enhancements Overview
  - Component level checks - cluvfy with -comp
  - Resource Debugging - Java Tools and Dynamic Debugging
  - Troubleshooting Node Evictions
  - Log files and Diagnostic Collection
- Making Applications Highly Available
  - Overview of Using Oracle Clusterware to Enable HA
  - Oracle Clusterware HA Components
  - Resource Management Options
  - Server Pools
  - Overall flow diagram of HA lifecycle (crs\_profile, crs\_register, crs\_start....)
  - Clusterware Resource Modeling
  - Creating an Application VIP
  - ONS and FAN overviews

## Wymagania:

### Wymagane prerekwizyty:

- Working knowledge of Oracle Database 11g: Release 2, including Clusterware, ASM and RAC

## Poziom trudności



## Certyfikaty:

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

## Prowadzący:

Autoryzowany wykładowca Oracle.