Szkolenie: Oracle
Oracle Database 12c: High Availability New Features

<table>
<thead>
<tr>
<th>FORMA SZKOLENIA</th>
<th>MATERIAŁY SZKOLENIOWE</th>
<th>CENA</th>
<th>CZAS TRWANIA</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stacjonarne</td>
<td>Cyfrowe</td>
<td>5334 PLN NETTO*</td>
<td>3 dni</td>
</tr>
<tr>
<td>Stacjonarne</td>
<td>Tablet CTAB</td>
<td>5934 PLN NETTO*</td>
<td>3 dni</td>
</tr>
<tr>
<td>Metoda dlearning</td>
<td>Cyfrowe</td>
<td>5334 PLN NETTO*</td>
<td>3 dni</td>
</tr>
<tr>
<td>Metoda dlearning</td>
<td>Tablet CTAB</td>
<td>5334 PLN NETTO*</td>
<td>3 dni</td>
</tr>
</tbody>
</table>

* (+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: High Availability New Features** introduces the Oracle Database 12c high availability new features contained in Oracle Grid Infrastructure. This includes Clusterware, Automatic Storage Management [ASM] and Cloud FS), Oracle Real Application Clusters (RAC), Oracle Data Guard and Oracle Global Data Services.

**Learn To:**

- Configure and administer the Oracle Database 12c high availability new features contained in Oracle Clusterware Infrastructure (including Automatic Storage Management [ASM] and Cloud FS).
- Describe the new features contained in Oracle Data Guard.
- Describe Oracle Global Data Services (GDS).

Plan szkolenia:

- Introduction
  - Course Overview
  - Course Objectives
- Flex Clusters
  - Flex Cluster Architecture
  - Configuring Flex Clusters
○ Installing Flex Clusters with OUI
○ Flex Clusters and Node Failure

○ Policy-Based Cluster Management
  ○ Policy-Based Cluster Management Overview
  ○ Server Categorization
  ○ Policy Set

○ What-If Command Evaluation
  ○ Overview
  ○ Supported Events
  ○ Performing What-If Command Evaluation on Application Resources with CRSCTL
  ○ Performing What-If Command Evaluation on Oracle Clusterware Resources with CRSCTL
  ○ Formatting the Output for What-If Command Evaluation on Oracle Clusterware Resources
  ○ Performing What-If Command Evaluation with SRVCTL
  ○ Evaluating Failure Consequences with SRVCTL

○ Other Clusterware New Features
  ○ Shared GNS Background and Architecture
  ○ Configuring shared GNS
  ○ Migrating to shared GNS
  ○ Moving GNS to Another Cluster
  ○ Cluster Health Monitor Enhancements Overview
  ○ Cluster Health Monitor Services
  ○ Grid Infrastructure Management Repository Overview
  ○ Managing Cluster Health Monitor

○ Flex ASM
  ○ Flex ASM Architecture
  ○ ASM Deployment Alternatives
  ○ Configuring Flex ASM
  ○ Managing Flex ASM
  ○ Monitoring Flex ASM Connections
  ○ Relocating an ASM Client

○ Other ASM New Features
  ○ Fast Mirror Resync Enhancements
  ○ Rebalance Enhancements
  ○ Proactively Validating Data Integrity
  ○ ASM-Based Password Files
  ○ Bulk File Ownership Changes
- Changing ASM Privileges on Open Files
- ASM File Access Control Available on Windows

- **Cloud FS New Features**
  - Introducing Oracle Cloud File System
  - High Availability NFS: Overview
  - Cloud FS Snapshot Enhancements
  - Cloud FS Support for All Oracle Database Files
  - Cloud FS Auditing: Overview
  - Cloud FS Plug-in Infrastructure: Overview
  - Using Cloud FS Replication in Conjunction with Cloud FS Security and Encryption
  - Generic API for Cloud FS Tagging

- **Application Continuity**
  - What is AC?
  - What problem does it solve?
  - Benefits of AC
  - How AC works
  - AC Architecture
  - Side Effects
  - Restrictions
  - Application requirements

- **RAC New Features**
  - RAC and Flex ASM
  - RAC and Pluggable Database
  - RAC and Policy-Based Cluster Management
  - RAC and What-If Command Evaluation
  - RAC and Application Continuity
  - Valid node checking for listener registration on RAC deployments
  - Oracle home user support for RAC on Windows

- **Data Guard New Features**
  - Far Sync Standby and Data Guard Transport Enhancements
  - Active Data Guard Enhancements
  - Database Rolling Upgrades
  - Other Data Guard Enhancements
  - Data Guard Broker Enhancements

- **Global Data Services**
  - Introduction
- Logical components
- Physical components
- Global Service Overview
- Global Service Attributes
- Global Services and RAC
- Global Services and Data Guard Broker
- Global Connection Load Balancing
- Oracle Database Exadata Cloud Service Overview
  - Introducing Exadata Cloud Service
  - Service Architecture, Availability, Scalability, Access and Security
  - Management Responsibilities
  - Storage Configuration & Management Details
  - Simple Web-Based Provisioning & Management
  - REST APIs
  - Patching Exadata Cloud Service
  - Migrating to Exadata Cloud Service

Poziom trudności