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
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  - Policy Set

- What-If Command Evaluation
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  - Performing What-If Command Evaluation on Application Resources with CRSCTL
  - Performing What-If Command Evaluation on Oracle Clusterware Resources with CRSCTL
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- Other Clusterware New Features
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  - Configuring shared GNS
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  - Cluster Health Monitor Enhancements Overview
  - Cluster Health Monitor Services
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- Flex ASM
  - Flex ASM Architecture
  - ASM Deployment Alternatives
  - Configuring Flex ASM
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- Other ASM New Features
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  - 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