

## D90836GC10 - Oracle Database Security: Preventive Controls Ed 1

<b>Czas trwania:</b>	Czas trwania: 5 dni / 40 godz.
<b>Cena rynkowa:</b>	9 335,00 zł
<b>Cena promocyjna:</b>	Zadzwo - 801 30 30 30
<b>Szkolenie autoryzowane:</b>	Tak



### Informacje o szkoleniu

In the Oracle Database Security: Preventive Controls course, students learn how they can use Oracle Database Security products and technologies to meet the security, privacy and compliance requirements of their organization.

The current regulatory environment of the Sarbanes-Oxley Act, HIPAA, the UK Data Protection Act, and others, requires better security at the database level. Students learn how to secure the access to their databases and how to use the Oracle Database Security products and technologies that enhance data access and confidentiality. The course provides suggested Oracle solutions for common problems.

#### Benefits To You

This course discusses the following security features of the database: authentication, data access control including user authorizations by using privileges and roles, data confidentiality including Data Redaction, Oracle Data Masking and Subsetting, Transparent Sensitive Data Protection, encryption at the column, tablespace and file levels by using Transparent Data Encryption. This course discusses the use of the Oracle Key Vault to centrally manage keys across the enterprise. Oracle Database Vault is used to enforce Separation of Duties at the DBA level.

Hands-on practices and available demonstrations help students learn how to use most of the features of Oracle Database 12c to secure their data center, by using Oracle Enterprise Manager Cloud Control or other simple tools such as SQL\*Plus.

### Wymagania wstępne

#### Required Prerequisites

Create PL/SQL procedures

Create and manage tables and tablespaces

Create and manage users, roles, and privileges

Oracle Database 12c: Administration Workshop Ed 2

Introduction to Oracle Database Security Ed 1 Suggested Prerequisites

Familiarity with Oracle Enterprise Manager Cloud Control

Familiarity with SQL\*Plus, SQL\*Developer

Use Flashback Data Archive and Create PL/SQL procedures

Use Oracle Data Pump export and import and Perform RMAN back

## Zagadnienia poruszane podczas szkolenia

- ❑ Course Objectives
- ❑ Configure and use Transparent Data Encryption
- ❑ Understand and use Oracle Key Vault
- ❑ Understand Oracle Data Redaction
- ❑ Understand and use Oracle Data Masking and Subsetting
- ❑ Understand security risks and identify appropriate Oracle solutions
- ❑ Configure general authentication and authorization
- ❑ Understand and implement Global Users
- ❑ Set up and maintain a simple wallet
- ❑ Install and use Oracle Database Vault
- ❑ Configure and use Transparent Sensitive Data Protection
- ❑ Course Topics
- ❑ Introduction
- ❑ Course Objectives
- ❑ Related courses and where this fits
- ❑ Course Schedule and Appendices Using Basic and Strong User Authentication
- ❑ Basic Authentication
- ❑ Strong Authentication
- ❑ Database Link Passwords Protection
- ❑ Security of Roles Configuring Global User Authentication
- ❑ About Enterprise User Management (EUS)
- ❑ EUS and LDAP Integration Using Proxy Authentication
- ❑ Security Challenges of Three-Tier Computing
- ❑ Proxy Authentication Solutions Encryption Concepts and Solutions
- ❑ Concepts
- ❑ Solutions
- ❑ Oracle Solutions Using Built-In Encryption in Applications
- ❑ Usage Using Transparent Data Encryption (TDE)
- ❑ Overview
- ❑ The Master Keys and the Keystore
- ❑ Hardware Keystore
- ❑ Encryption Database Storage Security
- ❑ RMAN and OSB Backups
- ❑ RMAN Encryption Modes
- ❑ Data Pump Export and Import of Encrypted Data Introduction to Oracle Key Vault
- ❑ What is Oracle Key Vault?
- ❑ Using Oracle Key Vault Installing Oracle Key Vault
- ❑ Installation
- ❑

## Endpoints Using Oracle Key Vault

- ▣ Reviewing or refreshing prerequisite knowledge
- ▣ Contrasting Oracle Wallets and OKV Virtual Wallets Administering Oracle Key Vault
- ▣ Roles in detail
- ▣ Best practice tips for Oracle Key Vault Automated Sensitive Data Discovery
- ▣ Overview
- ▣ Application Data Modeling
- ▣ Managing Application Data Models Oracle Data Masking and Subsetting overview
- ▣ Overview Masking Sensitive Data in Non-Production Environments
- ▣ Exploring Data Masking Format Library
- ▣ Data Masking Transformations Subsetting Data
- ▣ Exploring Data Subsetting definitions Managing Data Masking and Subsetting
- ▣ Administering Data Masking and Subsetting
- ▣ Heterogeneous masking and subsetting
- ▣ Best Practices Oracle Advanced Security - Data Redaction
- ▣ Need to redact or dynamically mask data
- ▣ Implementing Data Redaction
- ▣ Data Redaction usage guidelines Oracle Transparent Sensitive Data Protection (TSDP)
- ▣ TSDP Implementation Oracle Database Vault Overview
- ▣ Understand Database Vault Controls
- ▣ What is a Realm? A Rule Set? A Command Rule? A Secure Application Role?
- ▣ What are Factors and Identities? Component Relationships and Evaluation?
- ▣ Database Vault Effects and Example
- ▣ Software Overview: API, Views, and Integration with Other Oracle Products Configuring Database Vault
- ▣ Configuring Database Vault
- ▣ Database Vault Roles and Schema
- ▣ What to Expect After You Enable Database Vault
- ▣ Securing Data in Multitenant Environments
- ▣ Configuring Database Vault Users in Cloud Control 12c Analyzing Privileges
- ▣ Privilege Analysis Overview and Features
- ▣ How Does it Work?
- ▣ What are The Types of Analysis, Tools, and Prerequisites?
- ▣ Managing Privilege Analysis Policies
- ▣ Use Cases

## Informacje dodatkowe

Kurs ma formę wykładów połączonych z ćwiczeniami praktycznymi i jest prowadzony przez instruktora. Uczestnik szkolenia otrzymuje autoryzowany podręcznik w wersji elektronicznej.

## Typy szkolenia

Tradycyjne

Oracle | Training On Demand

Oracle | Live Virtual Classes

**Wicej informacji:**

Zadzwo 801 30 30 30 lub napisz [szkolenia@assecods.pl](mailto:szkolenia@assecods.pl)