

ODAT-40 - ORACLE DATABASE SECURITY: PREVENTIVE CONTROLS ED 1

Categoria: **Database**

INFORMAZIONI SUL CORSO



Durata:
5 Giorni



Categoria:
Database



Qualifica Istruttore:
Oracle Certified
Professional



Dedicato a:
Professionista IT



Produttore:
Oracle

OBIETTIVI

- Configurare e utilizzare la Transparent Data Encryption
- Comprendere e utilizzare Oracle Key Vault
- Comprendere Oracle Data Redaction
- Comprendere e utilizzare Oracle Data Masking e Subsetting
- Capire i rischi per la sicurezza e individuare le soluzioni Oracle appropriate
- Configurare l'autenticazione generale e l'autorizzazione
- Capire e implementare gli utenti globali
- Configurare e mantenere un semplice portafoglio
- Installare e utilizzare Oracle Database Vault
- Configurare e utilizzare Transparent Sensitive Data Protection

PREREQUISITI

Prerequisiti richiesti:

- Creare procedure PL / SQL
- Creare e gestire tabelle e spazi di tabelle
- Creare e gestire utenti, ruoli e privilegi
- Oracle Database 12c: Amministrazione Workshop Ed 2
- Introduzione a Oracle Database Security Ed 1
- Oracle Database 12c: Amministrazione Workshop

Prerequisiti consigliati:

- Familiarità con Oracle Enterprise Manager Cloud Control
- Familiarità con SQL * Plus, SQL * Developer
- Saper utilizzare Flashback Data Archive e creare procedure PL / SQL
- Saper utilizzare Oracle Data Pump per esportare e importare dati e saper eseguire un restore RMAN

CONTENUTI

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

INFO

Manuale: Materiale didattico ufficiale Oracle in formato digitale. Il materiale didattico è compreso nel prezzo sia per i corsi a Calendario sia per quelli Dedicati.

Prezzo manuale: 0 € incluso nel prezzo del corso a Calendario

Natura del corso: Operativo (previsti lab su PC)