

Oracle Database Security: Preventive Controls for Developers

This Oracle Database Security: Preventive Controls for Developers Ed 1 training teaches you how to use Oracle Database preventive control features. See how these features meet the security compliance requirements of the applications you're developing.

Learn To

This Oracle Database Security: Preventive Controls for Developers training teaches you how to use Oracle Database application features to meet the security, privacy and compliance requirements of your organization, as the current regulatory environment requires better application security at the database level. You'll learn how to secure access to your database applications, while using database features that enhance data access and confidentiality.

Learn To:

- Enumerate Oracle security solutions to meet application security requirements.
- Define application contexts (locally and accessed globally).
- Control the data access using Virtual Private Database and Oracle Label Security.
- Build secure applications using Real Application Security.

Benefits to You

Taking this course gives you a chance to engage in hands-on practices and demonstrations that will teach you how to use preventive control features of Oracle Database 12c. As a result, you can secure your applications using Oracle Enterprise Manager Cloud Control or other simple tools like SQL*Plus. Furthermore, you'll develop expertise using the following security features of the database: Application Context, Fine Grained Access Control, Virtual Private Database, Oracle Label Security, and Real Application Security. You'll also become familiar with implementing suggested Oracle solutions for common problems.

Prerequisites

Suggested Prerequisite

- Create and manage database users, roles, and privileges

Required Prerequisite

- Introduction to Oracle Database Security Ed 1
- Good understanding of SQL
- Create PL/SQL procedures
- Good knowledge of Oracle Database Applications

Audience

- Administrator
- Developer
- System Integrator
- Systems Administrator

Course Objectives

- Define application contexts (locally and accessed globally)
- Control the data access using Virtual Private Database and Oracle Label Security
- Build secure applications using Real Application Security
- Enumerate Oracle security solutions to meet application security requirements

Course Topics

Introduction

- Course Objectives and Schedule
- Course Practices and Additional Information

Using Application Contexts

- Description of Application Context
- Application Context Implementation

Implementing Virtual Private Database

- Fine-Grained Access Control and VPD

Implementing Real Application Security

- Real Application Security Overview
- RAS Implementation and Use

Implementing Oracle Label Security

- Access Control Overview
- Oracle Label Security Registration
- Oracle Label Security Policies Management