

Oracle Database 11g: Implement Database Vault NEW

Duration: 2 Days

What you will learn

Oracle Database Vault helps an organization meet their security goals. There are more and more requirements being put on systems regarding separation of duties and privacy and protection of data, including insider threats. DBAs and security administrators need to understand these requirements, and also the tools available for meeting them. This course introduces the student to the Database Vault product, including installation, configuration, and how it affects activities in the database. New security concepts are introduced, illustrated, and clearly demonstrated by relevant practices.

Learn To:

Implement security policies

Comply with security regulations

Protect data privacy and integrity

Audience

Database Administrators

Functional Implementer

Security Administrators

Security Compliance Auditors

Security Compliance Professionals

Technical Administrator

Technical Consultant

Prerequisites

Required Prerequisites

Oracle Database 11g : Administration Workshop I

Oracle Database 11g: Security

Suggested Prerequisites

Oracle Database 11g: Administration Workshop I

Oracle Database 11g: Security NEW

Course Objectives

Install and configure Database Vault

Audit Database Vault activities

Configure Factors, Identities, and Realms to implement security

Use attributes such as time of day and IP address to determine users' privileges

Effectively use the Database Vault administration interface

Course Topics

Introduction

- Need for Security Compliance
- Compare and contrast Relevant Existing Security Features
- Overview of Database Vault Elements and Functionality
- Database Vault Administrator
- Reporting and Monitoring
- The Database Vault API

Installing Database Vault

- Installation Tasks
- Logging in the Database Vault Administrator
- Tools and Components
- Database Vault database accounts

Configuring Realms

- Realms Concepts
- Realm Territories
- Realm Authorizations
- Managing realms

Defining Factors

- Factor types
- Factor identification
- Retrieval method
- Validation method
- Managing factors
- OLS Merging algorithms

Defining Identities

- Identities concepts
- Purpose of Identities
- Trust levels
- Managing Identities
- Mapping Identities
- Labeling Identities

Defining Rule Sets

- Rule Sets: Concepts
- Purpose and benefits
- Evaluation options
- Audit options
- Error handling options
- Managing rule sets

Configuring Command Rules

- Command rules : Concepts
- Example scenarios
- Creating and editing command rules
- Command rules : Examples implemented

Configuring Secure Application Roles

Secure Application Roles: Concepts

Creating and Editing Secure Application Roles

Deleting Secure Application Roles

Examples

Viewing Database Vault reports

Account Management reports

Application Security reports

Auditing reports

Configuration reports

Accounts and Roles reports

System Privileges reports

Implementing Best Practices

Identifying your security requirements

Suggested naming conventions

Separation of duty best practices

Identifying your security requirements

Audit all violations

Connection pooling considerations

Performance considerations