

## Introduction to Oracle Database Security Ed 1

**Duration:** 1 Day

### What you will learn

This Introduction to Oracle Database Security Ed 1 training teaches you how to use Oracle Database features to help meet the security, privacy and compliance requirements of your organization. Develop a deep understanding of the security risks and Oracle solutions provided to help address those risks.

**Learn To:**

- Describe and determine database security requirements.
- Choose Oracle security solutions to meet security requirements.
- Implement basic database security.
- Configure network security.
- Discover basic security configuration issues.

### Benefits to You

By participating in hands-on practices and available demonstrations, you'll know how to use features of Oracle Database 12c to secure the databases in your own organization. You'll begin by implementing basic database and network security and build on this knowledge throughout the course.

### Audience

Auditor  
Database Administrators  
Network Administrator  
Security Administrators  
Support Engineer  
System Analysts

### Related Training

#### *Required Prerequisites*

Good knowledge of Oracle Database

#### *Suggested Prerequisites*

Create and manage users, roles, and privileges

### Course Objectives

Describe and determine database security requirements

Understand Oracle security solutions to help meet security requirements

Implement basic database security

Configure network security

Discover basic security configuration issues

## **Course Topics**

### **Introduction**

Course Objectives

Course Schedule

Detective Security Controls

Preventive Security Controls

Your Learning Aids

Basic Workshop Architecture

### **Understanding Security Requirements**

Fundamental Data Security Requirements

Security Risks

Techniques to Enforce Security

### **Choosing Security Solutions**

Database Access Control: Authentication

Protecting Against Database Bypass with Encryption

Protecting Sensitive Data

Protecting against Application Bypass

Detecting Threats

Compliance

### **Implementing Basic Database Security**

Database Security Checklist

Reducing Administrative Effort

Principle of Least Privilege

Objects Protection

### **Configuring Network Security**

Network Access Control

Listener Security

Listener Usage Control

Manage fine-grained access to external network services

### **Discovering Basic Configuration Issues**

Accessing Enterprise Manager Security Reports

Using Various Security Reports