

Oracle Database 19c: Data Encryption

Course Duration: 8 Hours (1 Day)

Overview

The Oracle Database 19c: Data encryption course is designed to educate learners on securing data within an Oracle Database environment using Encryption techniques. This comprehensive course covers key concepts and practical applications for protecting sensitive data both at rest and in transit. In Module 1: Introduction, participants are introduced to the foundational principles of Data encryption, setting the stage for more advanced topics. Module 2: Managing Endpoints and Oracle Wallets dives into endpoint management and the intricacies of Oracle Wallets, which are essential for secure key storage and management. Module 3: Encryption covers the core Encryption techniques, how to secure Data in motion, detailed use of Encryption wallets, and the SYSKM administrative privilege, which is critical for managing encryption keys. Module 4: Key Vault and Transparent Data encryption explores the integration of Oracle Key Vault for centralized key management and the implementation of Transparent Data encryption (TDE) for seamless data protection. Lastly, Module 5: Performing Oracle Key Vault Administrative Tasks provides learners with hands-on experience in administering Oracle Key Vault, ensuring they are equipped to manage the encryption key lifecycle effectively. Overall, this course will empower learners with the skills needed to implement and manage encryption solutions, enhancing data security, and meeting compliance requirements within the Oracle Database 19c environment.

Audience Profile

The *Oracle Database 19c: Data Encryption* course provides in-depth training on securing Oracle databases using encryption techniques and tools.

- Database Administrators
- Security Administrators
- IT Security Consultants
- Database Architects
- Data Protection Officers
- Compliance Officers
- Network Administrators involved in security
- System Administrators focused on database security
- IT Professionals specializing in database encryption
- Oracle Database Engineers looking to enhance their skills

Course Syllabus

Lesson 01: Introduction

Lesson 02: Managing Endpoints and Oracle Wallets

- Overview of Managing Endpoints and Oracle Wallets
- Fundamentals of Oracle Wallets

Lesson 03: Encryption

- Introduction to Encryption
- Encrypting Data in Motion
- Encryption Wallets
- SYSKM Administrative Privilege

Lesson 04: Oracle Key Vault and Transparent Data Encryption

Lesson 05: Performing Oracle Key Vault Administrative Tasks