

DIPLOMADO ADMÓN. BASES DE DATOS ORACLE®

Certificación:

*Diploma de Asistencia en Bases de Datos Oracle por EUD.

*Aspirante para presentar exámenes de ORACLE 12c:

-SQL Fundamentals I
-Install and Admon
-Advanced Administration
- Performance Management and Tuning

Duración:

160 Horas

Tipo de Curso:

Online / Presencial

Idioma:

Español, Material en Inglés (Dependiendo de disponibilidad se entrega en español)

CONTACTO

Fundación de Egresados de la Universidad Distrital

Bogotá D.C. / Colombia

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Más Información

www.egresadosudistrital.edu.co

CONTENIDO TEMÁTICO

Modulo 1 - Oracle Database 12c: Introduction to SQL – Cloud Edition (40 Hours)

- Introduction to Oracle Database
- Retrieving Data using the SQL SELECT Statement
- Restricting and Sorting Data
- Using Single-Row Functions to Customize Output
- Using Conversion Functions and Conditional Expressions
- Reporting Aggregated Data Using the Group Functions
- Displaying Data from Multiple Tables Using Joins
- Using Subqueries to Solve Queries
- Using the SET Operators
- Managing Tables using DML statements
- Introduction to Data Definition Language
- Introduction to Data Dictionary Views
- Creating Sequences, Synonyms, Indexes
- Creating Views
- Managing Schema Objects
- Retrieving Data by Using Subqueries
- Manipulating Data by Using Subqueries
- Controlling User Access
- Manipulating Data
- Managing Data in Different Time Zones
- Oracle Cloud Overview

Modulo 2 - Oracle Database 12c: Admin, Install and Upgrade - Workshop I (40 Hours)

- Introduction
- Exploring the Oracle Database Architecture
- Oracle Software Installation Basics
- Installing Oracle Database Software
- Creating an Oracle Database by Using DBCA
- Oracle Database Management Tools
- Managing the Database Instance
- Configuring the Oracle Network Environment
- Administering User Security
- Managing Database Storage Structures
- Managing Space
- Managing Undo Data
- Managing Data Concurrency
- Implementing Oracle Database Auditing
- Backup and Recovery Concepts
- Backup and Recovery Configuration
- Performing Database Backups
- Performing Database Recovery
- Moving Data
- Performing Database Maintenance
- Managing Performance
- Managing Performance: SQL Tuning

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CONTENIDO TEMÁTICO

Modulo 3 - Oracle Database 12c: Admin, Install and Upgrade - Workshop II (40 Hours)

- Introduction
- Getting Started
- Configuring for Recoverability
- Using the RMAN Recovery Catalog
- Backup Strategies and Terminology
- Performing Backups
- Improving Your Backups
- Using RMAN-Encrypted Backups
- Diagnosing Database Failures
- Restore and Recovery Concepts
- Performing Recovery, Part 1
- Performing Recovery, Part 2
- RMAN and Oracle Secure Backup
- Performing Tape Backups and Restores
- Using Flashback Technologies
- Using Flashback Database
- Managing Backup Space or Transporting Data
- Duplicating a Database
- RMAN Performance and Tuning
- Backup and Recovery Workshop

Modulo 4 - Oracle Database 12c: Performance Management and Tuning (40 Hours)

- Introduction
- Basic Tuning Diagnostics
- Using Automatic Workload Repository
- Defining the Scope of Performance Issues
- Using Metrics and Alerts
- Using Baselines
- Using AWR-Based Tools
- Real-Time Database Operation Monitoring
- Monitoring Applications
- Identifying Problem SQL Statements
- Influencing the Optimizer
- Reducing the Cost of SQL Operations
- Using SQL Performance Analyzer
- SQL Performance Management
- Using Database Replay
- Tuning the Shared Pool
- Tuning the Buffer Cache
- Tuning PGA and Temporary Space
- Automatic Memory
- Performance Tuning Summary with Waits