

# COURSE OVERVIEW

**Course Name:**  
(D81246GC22)  
Oracle Database  
19c Administration  
Workshop

**COURSE DURATION: 5 Days**

**Gauteng:**

3rd Floor, 34 Whitely Road  
Melrose Arch  
Johannesburg  
2196

**Gauteng:**

192 on Bram  
192 Bram Fischer Drive  
Ferndale, Randburg  
Johannesburg  
2160

**Cape Town:**


3rd Floor, Thomas Pattullo Building  
19 Jan Smuts St  
Cape Town  
8000

**Durban:**

9 Mountview Close  
Broadlands  
Mount Edgecombe  
Durban  
4302

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## INTRODUCTION

The Oracle Database 19c: Administration Workshop will teach you about the Oracle Database architecture. You will discover how to effectively manage an Oracle Database instance, configure the Oracle Network Environment, and perform database maintenance

## DELIVERY METHOD

Our courses have flexible delivery options:

- In-person classroom training at the Impactful training facilities
  - Johannesburg, Durban, Cape Town
- Virtual instructor-led training
- Nationally: on-site at the client

## TARGET AUDIENCE

- Database Administrator
- Systems Administrator

## PREREQUISITES

- Unix and Linux Essentials
- Oracle Database: Introduction to SQL

## COURSE OVERVIEW

- Back up, restore, and patch DBCS database deployments
- Describe the DBaaS and on-premises Oracle Database architectures
- Manage database instances
- Manage UNDO data
- Move data between databases
- Implement basic backup and recovery procedures
- Monitor and tune database performance
- Tune SQL to improve performance
- Manage resources with Oracle Database Resource Manager
- Create pluggable databases (PDBs)
- Configure the Oracle network environment
- Administer user security and implement auditing
- Create and manage tablespaces
- Manage storage space
- Create and manage Database as a Cloud Service (DBCS) database deployments
- Register databases and manage performance with Enterprise Manager Cloud Control

## COURSE CONTENT

### Course Topics

#### Lesson 1

- Getting Started

#### Lesson 2

- Exploring Oracle Database Architecture

#### Lesson 3

- Managing Database Instances

#### Lesson 4

- Creating PDBs

#### Lesson 5

- Configuring the Oracle Network Environment

#### Lesson 6

- Administering User Security

#### Lesson 7

- Creating and Managing Tablespaces

#### Lesson 8

- Managing Storage Space

#### Lesson 9

- Managing UNDO Data

### **Lesson 10**

- Moving Data

### **Lesson 11**

- Backup and Recovery Concepts

### **Lesson 12**

- Monitoring and Tuning Database Performance

### **Lesson 13**

- SQL Tuning

### **Lesson 14**

- Oracle Database Resource Manager

### **Lesson 15**

- Enterprise Manager Cloud Control

### **Lesson 16**

- Introduction to Oracle Database Cloud Service

### **Lesson 17**

- Creating DBCS Database Deployments

### **Lesson 18**

- Managing DBCS Database Deployments

### **Lesson 19**

- Backing Up and Restoring DBCS Database Deployments

### **Lesson 20**

- Patching DBCS Database Deployments

### **Lesson 21**

- Creating Master Encryption Keys for PDBs

### **Lesson 22**

- Tablespace Encryption by Default

## **ASSOCIATED EXAMS & CERTIFICATION**

- 1Z0-072