
Oracle Database 19c Multitenant Architecture (TTOR02219)

Overview

The multitenant architecture enables you to have many pluggable databases inside a single Oracle Database instance. This course explores the multitenant architecture and the different types of pluggable databases (PDBs) in multitenant container databases (CDBs).

Prerequisite Comments

Incoming students should possess a basic understanding of database principles, basic computer skills, and basic programming and basic analytics skills

Target Audience

Incoming students should possess a basic understanding of database principles, basic computer skills, and basic programming and basic analytics skills

Course Objectives

This course is approximately 50% hands-on, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Working in a hands-on learning environment led by our Oracle Certified expert facilitator, students will learn how to:

Core concepts of regular PDBs

Creating a CDB, and then using different methods to create PDBs.

How to start and shut down a CDB and how to open and close a PDB.

Security aspects in CDBs and PDBs in various areas like privileges and roles, lockdown profiles, auditing, Database Vault, and encryption.

Availability through backup, duplicate, recovery, and flashback topics and then performance, monitoring, and resources allocation management in CDBs and PDBs.

How you can move data from a non-CDB environment to a PDB.

How to move data between PDBs by using utilities such as the export and import features of Oracle Data Pump, SQL*Loader, external tables, and Oracle Recovery Manager.

Course Outline

1 - Multitenant Architecture

CDB Basics

CDB and Regular PDBs

Application PDBs and Application Installation

2 - PDB Creation

PDB Creation
CDB and PDB Management
Storage

3 - Security

Security
Backup and Duplicate
Recovery and Flashback
Performance
Resources Allocation

4 - Data Movement

Data Movement
Upgrade Methods
Miscellaneous
