Oracle Database: Managing Multitenant Architecture Training

BILGINC
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Duration: **4 Day**

Overview

This Oracle Database: Managing Multitenant Architecture course covers all aspects of the multitenant architecture, providing detailed information on the components of an Oracle multitenant container database and its regular and application pluggable databases. You learn why and how to create and manage a multitenant container database and its regular and application pluggable databases, with storage structures appropriate for the business applications. You practice cold and hot cloning, plugging unplugged pluggable databases in multitenant container databases using various methods.

In addition, you learn how to create common and local users and administer database security to meet your business requirements by using encryption, Database Vault and auditing and you will learn how to create a database deployment in the Cloud.

Versions Supported: 19c, 18c, 12c

Learn To:

- Understand the multitenant architecture.
- Create and manage a multitenant container database and pluggable databases.
- Understand regular and application pluggable databases.
- Manage storage within a multitenant container database and pluggable databases.
- Manage security within a multitenant container database and regular and application pluggable databases.
- Monitor performance and manage resources within a multitenant container database and pluggable databases.
- Perform backup, recover and flashback operations on a multitenant container database and regular and application pluggable databases.

Perform particular operations like Oracle Data Pump transportation, loading, encrypting, auditing.
Manage the CDB and PDBs in specific configurations like Data Guard, Database Vault.

Benefits To You

To provide an acceptable response time to users and manage resources effectively, you learn how to monitor performance and manage resources within the multitenant container database and its pluggable databases, and within each pluggable database.

Another important aspect is the data movement between non-CDBs and pluggable databases, and between pluggable databases.

It is also important to understand the procedures of upgrading an Oracle Database multitenant container database or an Oracle Database pluggable database.

Finally, students discover the way multitenant container database and pluggable databases are created and monitored in the Cloud.

Prerequisites

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Oracle Database 23ai: Administration Workshop

Audience

- Administrator
- Architect
- Database Administrator

What You Will Learn

- Manage PDB snapshots
- Encrypt data in PDBs and isolate PDB keystore
- Monitor performance in CDBs and PDBs
- Audit users in CDB and PDBs
- Protect data with Database Vault policies in CDB and PDBs
- Manage a CDB fleet
- Manage resource allocation between PDBs and within a PDB
- Use Data Pump operations from a non-CDB or CDB into a PDB
- Upgrade 12c CDBs or PDBs to 18c
- Configure and create a CDB
- Create, clone, unplug, plug, relocate, proxy, switch over and drop PDBs
- Startup and shutdown CDBs and PDBs
- Manage tablespaces in CDB and PDBs
- Manage common and local users, roles, privileges, profiles, objects in CDBs and PDBs
- Manage PDB lockdown profiles
- Backup, duplicate, recover and flashback CDB and PDBs