

Oracle DBA, Oracle Developer, Java, Android, SQL Server, Linux, C, C++, MySQL PHP, HTML, CSS, Java Script, MySQL DBA, Postgresql DBA, ASP.Net

Oracle 12c – Managing Multitenant Architecture

(16 Hours)

- **Audience**

- Data Warehouse Administrator
- Database Administrators
- Database Designers
- Support Engineer
- Technical Administrator

- **Related Training**

- Required Prerequisites
- Knowledge of non-CDB configuration and management
- Working knowledge of SQL and use of PL/SQL packages
- Working knowledge of tools like SQL*Plus or Enterprise Manager Cloud Control
- Oracle Database 12c: Administration Workshop
- Oracle Database 12c: Backup and Recovery Workshop
- Suggested Prerequisites
- Basic knowledge of Linux operating system
- Oracle Database 12c: Install and Upgrade Workshop

- **Course Objectives**

- Manage the multitenant container database and pluggable databases performance
- Configure resource manager to share resources within a multitenant container database between containers and within a pluggable database
- Implement unified auditing in a multitenant container database and its pluggable databases
- Use Oracle Data Pump, SQL*Loader in pluggable databases
- Monitor the multitenant container database and pluggable databases

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Describe the multitenant architecture
Create a multitenant container database
Create a pluggable database using different methods
Plug a non-CDB into a multitenant container database
Manage multitenant container databases and pluggable databases
Administer multitenant container database and pluggable database storage structures
Create and administer common and local user accounts
Manage common and local privileges and roles
Configure multitenant container databases and pluggable databases backup and recovery operations

- **Course Topics**
- **Introduction**
 - Course Objectives
 - Course Schedule
 - Tools
- **Container and Pluggable Database Architecture**
 - Challenges and Benefits
 - Multitenant Architecture
 - Provisioning PDBs
 - Terminology
- **CDB and PDB Creation**
 - Using Tools
 - Configuring and Creating a CDB
 - Creating PDBs
 - Dropping PDBs
 - Migrating PDBs

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- **Managing a CDB and PDBs**
 - Connection
 - Managing a CDB and PDBs
 - Managing PDBs Open Mode and Settings
 - Configuring CDB and PDBs Initialization Parameters
 - **Managing Storage in a CDB and PDBs**
 - Managing Permanent Tablespaces in CDB and PDBs
 - Managing Temporary Tablespaces in CDB and PDBs
 - **Managing Security in a CDB and PDBs**
 - Managing Common and Local Users
 - Managing Common and Local Privileges
 - Managing Common and Local Roles
 - Understanding Shared and Non-Shared Objects
 - Managing Common and Local Profiles
 - **Managing Availability**
 - Managing Backups
 - Managing Recovery Operations
 - Managing Flashback Database
 - Duplicating PDBs
 - Special Situations and Views
 - **Managing Performance**
 - Managing Performance
 - Managing Resource Allocation
 - Maximizing Consolidated Database Replay
 - **Miscellaneous**
 - Exporting and Importing Data
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Loading Data
Auditing Operations
Scheduling Jobs
Using Other Products