



## Oracle 19c Database Multitenant Architecture

Explore Creating, Managing and Securing Various Types of Pluggable Databases (PDBs) in Multitenant Container Databases (CDBs)

[www.triveratech.com](http://www.triveratech.com)

### Course Snapshot

- **Course:** TTOR02219: Oracle Database 19c Multitenant Architecture
- **Duration:** 3 days
- **Skill-Level:** Introductory level
- **Tools:** This course is also available for Oracle 12c and other earlier versions Please inquire for details.
- **Hands-on Learning:** This course is approximately **50% hands-on**, combining expert lecture, real-world demonstrations and group discussions with machine-based practical labs and exercises. Student machines are required.
- **Delivery Options:** This course is available for **onsite private classroom presentation, live online virtual presentation**, or can be presented in a **flexible blended learning format** for combined onsite and remote attendees. Please also ask about our **Self-Paced / Video / QuickSkills or Mini-Camp Flex Hours / Short Course** options.
- **Public Schedule:** This course has active dates on our live-online open enrollment **Public Schedule**.
- **Customizable:** This course agenda, topics and labs can be further adjusted to target your specific training skills objectives, tools and learning goals. Please inquire for details.

### Overview

The multitenant architecture enables you to have many pluggable databases inside a single Oracle Database instance. **Oracle Database 19c Multitenant Architecture** is a three-day hands-on course that explores the multitenant architecture and the different types of pluggable databases (PDBs) in multitenant container databases (CDBs).

NOTE: This training is NOT Official Oracle University training. This is independent, adjustable content that aligns with current topics, skills and tools that participants need to excel in these areas. This course is for 19c. It is also available for earlier editions (11g, 12c, etc). Please inquire for details.

### Learning 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.

**Need different skills or topics?** If your team requires different topics or tools, additional skills or custom approach, this course may be further adjusted to accommodate. We offer additional Oracle, database, scripting, administration and other related topics that may be blended with this course for a track that best suits your needs.

### Audience & Pre-Requisites

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

**Enhanced Learning Services:** Please also ask about our **Pre-Training Class OnRamp & Prep / Primer** offerings, **Skills Gap Assessment Services, Case Studies, Knowledge Check Quizzes, Skills Immersion Programs & Camps, Collaborative Mentoring Services** and **Extended Learning Support & Post Training** services.

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## Course Topics / Agenda

Please note that this list of topics is based on our standard course offering, evolved from typical industry uses and trends. We'll work with you to tune this course and level of coverage to target the skills you need most. Topics, agenda and labs are subject to change, and may adjust during live delivery based on audience interests, skill-level and participation.

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|---|--|---|
| <b>1. Multitenant Architecture</b>  | <ul style="list-style-type: none"><li>• CDB and PDB Management</li><li>• Storage</li></ul>   | <ul style="list-style-type: none"><li>• Resources Allocation</li></ul>  |
| <ul style="list-style-type: none"><li>• CDB Basics</li><li>• CDB and Regular PDBs</li><li>• Application PDBs and Application Installation</li></ul> | <b>3. Security</b>   | <b>4. Data Movement</b>   |
| <b>2. PDB Creation</b>  | <ul style="list-style-type: none"><li>• Security</li><li>• Backup and Duplicate</li><li>• Recovery and Flashback</li><li>• Performance</li></ul> | <ul style="list-style-type: none"><li>• Data Movement</li><li>• Upgrade Methods</li><li>• Miscellaneous</li></ul> |
| <ul style="list-style-type: none"><li>• PDB Creation</li></ul>  |  |   |
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**Student Materials:** Each participant will receive a **Student Guide** with course notes, code samples, software tutorials, step-by-step written lab instructions, diagrams and related reference materials and resource links. Students will also receive the project files (or code, if applicable) and solutions required for the hands-on work.

**Setup Made Simple.** All course labs and solutions, data sets, Oracle software (limited version, for course use only), detailed courseware, lab guides and resources (as applicable) are provided for attendees in our easy access, no installation required, remote lab environment for the duration of the course. Our tech team will help set up, test and verify lab access for each attendee prior to the course start date, ensuring a smooth start to class and successful hands-on course experience for all participants.

## For More Information

All courses can be presented **onsite** or **online**, or in a **combined / flex / blended learning format**, tailored to target your specific audience, needs and learning goals. We also offer focused, flexible **short courses, self-paced learning** options, **recorded sessions** and more. We train beginner to advanced skills in all areas we cover, and offer **New Hire / Cohort Training, Boot Camps, Skills Immersion Programs, Reskilling Programs, Skills Migration & Transition Programs**, and more. We collaborate with you to ensure all courses are truly targeted to meet your specific needs and learning skills, maximizing your valuable training time, as well as your important budget.

Please also visit our extensive **Public Training Schedule** for training for smaller groups or individuals. Please contact us for course details, **Corporate Rates** and **Special Discount Offers**.

**For more information** about our dedicated training services, collaborative coaching services, courseware licensing and development services, public course schedule, training management services, partner programs, or to see our complete list of course offerings and special offers please visit us at [www.triveratech.com](http://www.triveratech.com), email [Info@triveratech.com](mailto:Info@triveratech.com) or call us toll free at **844-475-4559**. Our pricing and services are always satisfaction guaranteed.

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