

€ TRAINING

Oracle Certified Professional OCP





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Introduction:

This program is designed to prepare participants for the certification exam only.

This training program is specifically designed for IT professionals looking to advance their skills in Oracle database management. It delves into advanced Oracle database concepts, SQL optimization, and database administration, preparing participants for the OCP certification exam.

Program Objectives:

By the end of this program, participants will be able to:

- Master advanced Oracle database management and configuration techniques.
- Optimize SQL statements and queries to improve database performance.
- Implement and manage complex Oracle database security measures.
- Prepare thoroughly for the Oracle Certified Professional exam.
- Apply best practices in real-world database administration scenarios.

Targeted Audience:

- Database administrators and developers looking to upgrade their certification to Oracle Certified Professional.
- IT professionals seeking advanced knowledge in Oracle database systems.
- Professionals who have completed the Oracle Certified Associate level and wish to advance.
- Technical consultants who specialize in Oracle technologies.
- IT managers overseeing database management teams.

Program Outline:

Unit 1:

Advanced Database Administration:

- Deep dive into Oracle database architecture and internal mechanisms.

- Techniques for effective database storage management and optimization.
- Advanced backup and recovery strategies specific to Oracle databases.
- Implementing Oracle Flashback Technology for data recovery and analysis.
- Managing database performance tuning and resource allocation.

Unit 2:

SQL and PL/SQL Advanced Techniques:

- Writing complex SQL queries for business analytics.
- Enhancements in PL/SQL for performance improvement.
- Implementing advanced indexing and partitioning strategies.
- Developing and debugging stored procedures and functions in PL/SQL.
- Utilizing Oracle's advanced SQL tuning features and tools.

Unit 3:

Oracle Networking and Security:

- Configuring Oracle Net Services for enhanced database connectivity.
- Methods Implementing robust security practices including encryption and auditing.
- Managing user privileges and roles to ensure database security.
- Techniques for safeguarding data against unauthorized access.
- Best practices for network security in Oracle environments.

Unit 4:

Managing Oracle Multitenant Architectures:

- Understanding the multitenant architecture introduced in Oracle 12c.
- Creating, managing, and monitoring pluggable databases.
- Implementing resource management in a multitenant container database.
- Strategies for data and application consolidation on Oracle database servers.
- Backup, restore, and recovery techniques specific to multitenant databases.

Unit 5:

OCP Exam Preparation and Review:

- Overview of the certification exam structure and question formats.
- Identify key topics and areas of focus for effective exam preparation.
- Review sample questions and their potential answers.
- Provide resources and materials for further study and exam readiness.

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