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# Oracle Database: Performance Management and Tuning (D108103)

ID D108103 Price on request Duration 5 days

## Who should attend

- Administrator
- Database Administrator

## Prerequisites

### Suggested Prerequisite

- Oracle Database 12c R2: Install and Upgrade Workshop Ed 2
- Familiarity with Oracle Database installation
- Familiarity with Oracle Database configuration concepts

### Required Prerequisite

- Oracle Database 18c: Administration Workshop Ed 1
- Basic knowledge of Linux operating system
- A working knowledge of SQL and PL/SQL packages
- Basic understanding of Oracle Database architecture
- Familiarity with basic database monitoring procedures

- Defining the Scope of Performance Issues
- Using Metrics and Alerts
- Using Baselines
- Using AWR-Based Tools
- Real-Time Database Operation Monitoring
- Monitoring Applications
- Identifying Problem SQL Statements
- Influencing the Optimizer
- Reducing the Cost of SQL Operations
- Using SQL Performance Analyzer
- SQL Performance Management
- Using Database Replay
- Tuning the Shared Pool
- Tuning the Buffer Cache
- Tuning PGA and Temporary Space
- Automatic Memory
- Performance Tuning Summary with Waits

## Course Objectives

- Use the Oracle Database tuning methodology appropriate to the available tools
- Utilize database advisors to proactively tune an Oracle Database Instance
- Use the tools based on the Automatic Workload Repository to tune the database
- Diagnose and tune common SQL related performance problems
- Diagnose and tune common Instance related performance problems
- Use Enterprise Manager performance-related pages to monitor an Oracle Database

## Course Content

- Introduction
- Basic Tuning Diagnostics
- Using Automatic Workload Repository

## Training Centres worldwide



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