
Oracle Database 11g: SQL Tuning Workshop Release 2

Duration: 3 Days Course Code: O11GSQLTR2

Overview:

This course assists database developers, DBAs, and SQL developers to identify and tune inefficient SQL statement. It covers investigative methods to reveal varying levels of detail about how the Oracle database executes the SQL statement. This allows the student to determine the root causes of the inefficient SQL statements. Students learn to interpret execution plans, and the different ways in which data can be accessed. They will learn how the optimizer chooses the path and how to influence the optimizer to ensure that the best method is used. This course covers Automatic SQL Tuning tools, and resources available in the Automatic Workload Repository, in addition to taking advantage of bind variables, trace files, and different types of indexes. This course is based on Oracle Database 11g Release 2.

Learn To:

- Use Oracle tools to identify inefficient SQL statements
 - Use Automatic SQL Tuning
 - Use Real Time SQL monitoring
 - Write more efficient SQL statements
 - Monitor and trace high load SQL statements
 - Manage optimizer statistics on database objects
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Target Audience:

Application Developers Data Warehouse Administrator Data Warehouse Developer Database Administrators Developer PL/SQL Developer Support Engineer

Objectives:

- Identify poorly performing SQL
 - Trace an application through its different levels of the application architecture
 - Understand how the Query Optimizer makes decisions about how to access data
 - Define how optimizer statistics affect the performance of SQL
 - List the possible methods of accessing data, including different join methods
 - Modify a SQL statement to perform at its best
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Prerequisites:

- Suggested Prerequisites
 - Oracle Database: SQL Fundamentals I
 - Oracle Database: Introduction to SQL
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Content:

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| <ul style="list-style-type: none">Exploring the Oracle Database ArchitectureIntroduction to SQL TuningIntroduction to the OptimizerInterpreting Execution PlansApplication Tracing | <ul style="list-style-type: none">Optimizer: Table and Index OperationsOptimizer Join MethodsOptimizer: Other OperatorsCase Study: Star TransformationOptimizer Statistics | <ul style="list-style-type: none">Using Bind VariablesUsing SQL Tuning AdvisorUsing SQL Access AdvisorUsing Automatic SQL TuningSQL Performance Management |
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Further Information:

For More information, or to book your course, please call us on +254 713 027 191

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