# **Automatic SQL Tuning Configuration**

Task Settings			
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Maintenance Windo	ow Group Assignment		14440444444
Wedow	Optimizer Statistics Gathering Select All   Select None   5	Segment Advisories Advisories Ad   Select A	
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SATURDAY_WINDOW	<b>2</b>	2	2
SUNDAY_WENDOW	₩	2	₽
WEDNESDAY_ THURSDAY_W	tomatic SQL Tuning Sett		120
	Automatic Implementation of	SQL Profiles (s)	Yes ONo
Ma	vinum SQL Profiles Implemented Pr	er Execution	2
	Maximum SOL Profiles Implement		1000



# **Automatic Sql Tuning In Oracle Database 11g**

**Michael Seilmaier** 

# **Automatic Sql Tuning In Oracle Database 11g:**

Oracle Database 11g R2 ,2005\* Oracle Database 11g R2 Sideris Courseware Corp,2011 This Oracle 11g learning guide will equip database administrators and application developers to build efficient SQL statements and to tune database applications When this effort is complemented by database server and PL SQL application tuning then a highly efficient application execution environment is created One will learn about the internals of SQL statement execution how to monitor the performance of such execution and how one can influence the behavior of the database to achieve performance gains This textbook is a mandatory reference for any database administrator or SQL database application developer The following specific topics are among those considered Consider the unique and differing tuning issues found in online database applications enterprise resource and data warehouse environments and the important metrics of SQL statement performance Learn about the internal mechanisms use for SQL statement execution within a database instance and how these can affect performance for good or bad including the Optimizer facilities known as the Transformation Engine Estimator and Plan Generator Use a variety of techniques to examine the details of SQL statement execution spotting trouble areas and bottlenecks which require tuning Learn about the Auto Task framework and how to manage the automatic collection of Optimizer statistics and automatic SQL tuning using both the programmatic and Enterprise Manager interfaces Learn how statistic deficiencies can dramatically degrade performance and how these problems are resolved through customized Optimizer statistics collection procedures using the DBMS\_STATS package system statistics histograms expression statistics and MultiColumn statistics Influence the behavior of the Optimizer by setting database parameters and other SQL tuning techniques Utilize the database advisory framework and the SQL Tuning and SQL Access advisors Use plan management to achieve plan stability which is adaptive and even dynamic Understand the self tuning infrastructure and the automatic SQL tuning capabilities found within the database Employ SQL hints embedded into the statement text to resolve unique tuning challenges Learn to identify poorly performing SQL statements using real time SQL monitoring and application tracing techniques such as DBMS MONITOR trossess and tkprof **Expert Oracle Database 11g Administration** Sam Alapati, 2009-01-10 Sam Alapati s Expert Oracle Database 11q Administration is a comprehensive handbook for Oracle database administrators DBAs using the 11g release of the Oracle Database All key aspects of database administration are covered including backup and recovery day to day administration and monitoring performance tuning and more This is the one book to have on your desk as a continual reference Refer to it frequently It ll help you get the job done Comprehensive handbook for Oracle Database administrators Covers all major aspects of database administration Tests and explains in detail key DBA commands Offers primers on Linux Unix data modeling SQL and PL SQL **Oracle Database 11g** Sam Alapati, Charles Kim, 2008-03-09 Oracle Database 11q New Features for DBAs and Developers is a comprehensive example laden review of the most significant new features and improvements offered by the latest release of Oracle Corporation s

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