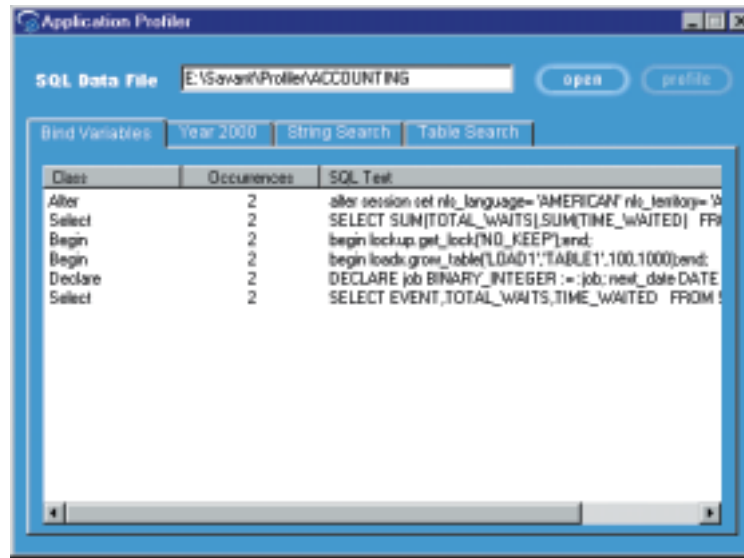


- Collects and analyzes SQL
- Solves SQL problems
- Identifies non-reusable SQL and bind variable solutions
- Finds frequently-executed statements
- Identifies access patterns and hot tables



SAVANT APPLICATION PROFILER



“Profiler helps me pinpoint the best tuning opportunities.”



Savant Profiler is a window into applications executing on a database. It evaluates database activity to develop an accurate picture of access patterns and resource usage.

Profiler collects and analyzes SQL extracted directly from the database. It helps prioritize tuning efforts by identifying the most expensive and most frequently executed SQL statements.

Savant Profiler identifies a number of common SQL problems, such as non-reusable SQL, Y2K exposures and memory-intensive SQL. Profiler includes interactive assessment tools for finding SQL by table name and finding tables correlated with the most SQL disk reads. Profiler assessment modules execute locally to avoid burdening the server.

What are applications actually doing?

Savant Profiler assessment is based on SQL and its relationship to applications. SQL provides the most effective tuning opportunities for Oracle applications. By basing application assessment on SQL extracted directly from the database-not source code-Profiler eliminates guesswork and focuses on actual loads and resources in use.

Requirements

Standalone

- Windows NT 4.0, Windows 9x, Windows 2K
- 75 MB of free disk space (varies by number of databases and volume of SQL)
- Minimum 32MB of RAM, 64MB is recommended
- Oracle Client 7.3 or higher

Enterprise

Server

- Windows NT 4.0
- 75 MB of free disk space (varies by number of databases and volume of SQL)
- Minimum 32MB of RAM, 64MB is recommended
- Oracle Client 7.3 or higher

Client

- Windows NT 4.0, Windows 9x, Windows 2K
- 25 MB of free disk space
- Minimum 32MB of RAM
- Oracle Client 7.3 or higher

Which tables are used most and how?

Savant Profiler correlates table names with statistics for SQL statements using them, helping identify HOT tables-those involved with the most expensive or frequently-executed SQL statements. Integration with Savant Diagnostic Center allows EXPLAIN plans and identification of access patterns for these tables.

Will indexing a table help or hurt performance?

New indexes can change execution plans for other SQL statements. Profiler can discover all SQL using a particular table and immediately can perform an impact analysis of the new index on these other statements.

How is SQL performing?

Savant Profiler accesses historic SQL to provide the most accurate profiling of the application load executing within the database. Profiler also provides an accurate view of the applications and load that actually run against the database and can pinpoint design issues affecting performance.

Which statements are written inefficiently?

Non-reusable SQL can cripple Oracle performance and application scalability. Savant Profiler identifies non-reusable SQL with literals that should be replaced by bind variables, using a frequency analysis to assess their impact. Profiler's Solution option generates a corrected version of the statements using bind variables. It then can email the problem statement and solution to the application developer or can pass it to the development team.

Which statements are affecting the database now?

Through integration with Savant Diagnostic Center, Profiler provides granular assessment of the load currently executing within the database. The SQL to be profiled can be grouped or limited to statements executing currently, over a specific time period or by specific user or application.

Are there any lingering Y2K problems?

Savant Profiler reports any SQL statements with non-Y2K compliant date formats, to aid in locating any Y2K problems not yet identified.

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