

Teleran iSight Analytics

Application Performance Analyses

Tracking and analyzing user, application, SQL and data usage activity highlights opportunities and issues in the BI/DW environment not visible via database utilities.

iSight OVERVIEW

Teleran's *iSight™ Tracking and Analysis* solution is designed to help information management, application support and DBAs to quickly assess and remediate user and application issues that interfere with effective use of the BI/DW (Business Intelligence / Data Warehouse) environment. The objective of usage tracking and analysis is to increase the value that organizations are receiving from their BI/DW investment.

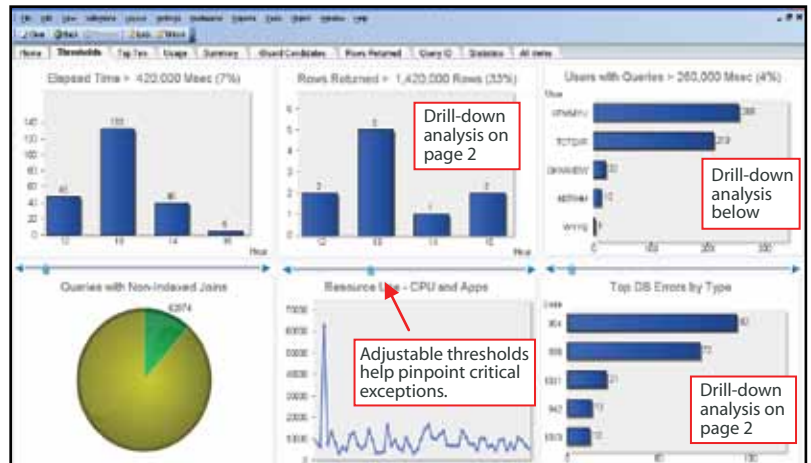
iSight Analytics is the reporting and analysis component of iSight. It provides usage dashboards and drill-down analyses that enable organizations to manage the health, efficiency and productivity of the entire application environment across four key dimensions: users, applications, queries, and data usage over time. Because the iSight solution includes usage tracking and analysis of user and application activity, it highlights opportunities and problems in the overall application environment not visible via database-only monitoring tools.

iSight BENEFITS

- Delivers performance improvements by analyzing user and application behavior
- Identifies operating efficiencies by highlighting inefficient applications and user queries
- Improves business value of BI/DW infrastructure
- Reduces operating costs

The Large Query drill-down analysis provides the guidance to quickly identify queries that returned a large number of rows that can inhibit performance.

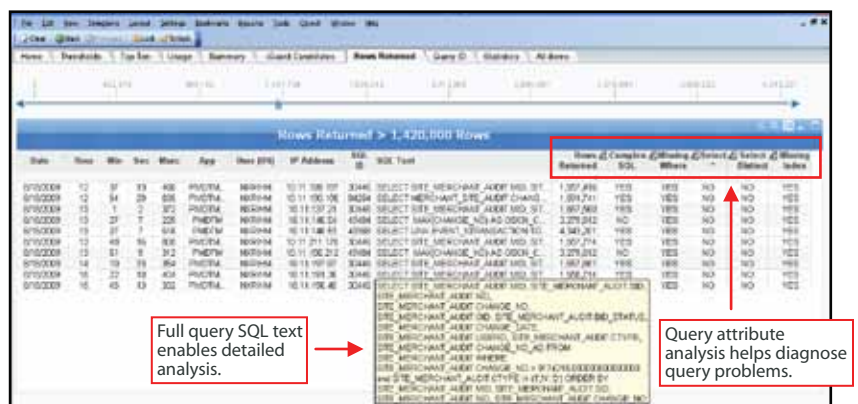
performance THRESHOLD DASHBOARD



The Performance Threshold Dashboard provides critical summarized performance information. It identifies at a glance performance exceptions associated with users, queries and database usage that require further analysis. It displays:

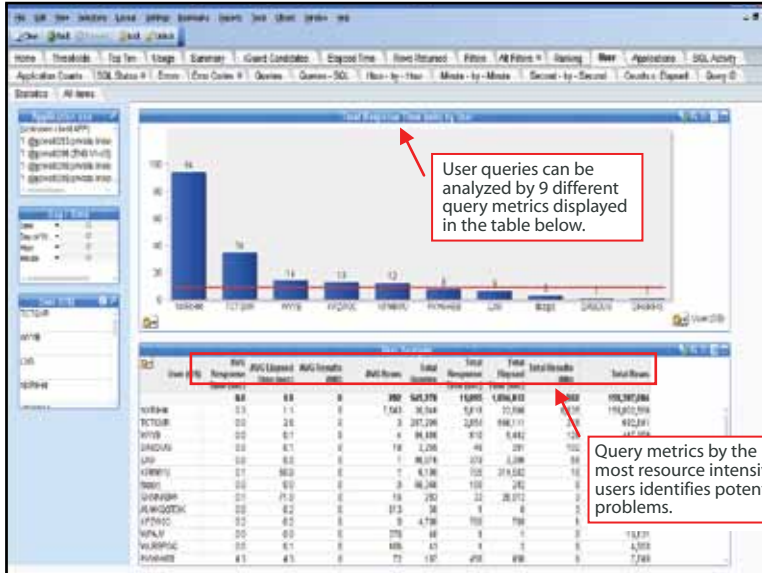
- Longest running queries
- Largest data consuming queries
- Users generating long running queries
- Proportion of queries that might benefit from indices
- Correlation of CPU and query statistics

large query drill-down ANALYSIS from PERFORMANCE DASHBOARD



This analysis displays full SQL text for detailed analysis of queries by query attributes. Query attribute analysis enables diagnosis of queries by issues such as query complexity, missing a "Select *", missing a "where clause", the presence of a SQL "Select Distinct", and possible missing indices.

user/query drill-down ANALYSIS from PERFORMANCE DASHBOARD



The User/Query drill-down analysis provides deep insight into the behavior of the user community and is used to quickly identify unusual or inappropriate user behavior. The most active users are ranked by key query metrics in both graphical and tabular formats. Key metrics displayed in the graph are selectable from the metrics described in the table heading including average response time, average elapsed time, and total number of queries among others.

This analysis allows you to analyze user activity by four kinds of user IDs: OS user, Application user, DB user, and IP address.

database error drill-down ANALYSIS from PERFORMANCE DASHBOARD



The Database Error drill down analysis is one of the most critical tools providing visibility into what kinds of database errors occur and how often.

This analysis is used to prioritize database error remediation activities. Graphically, it portrays the number of errors by error code, while providing the detailed error messages for each of the codes for thorough analysis.

concurrency ANALYSIS



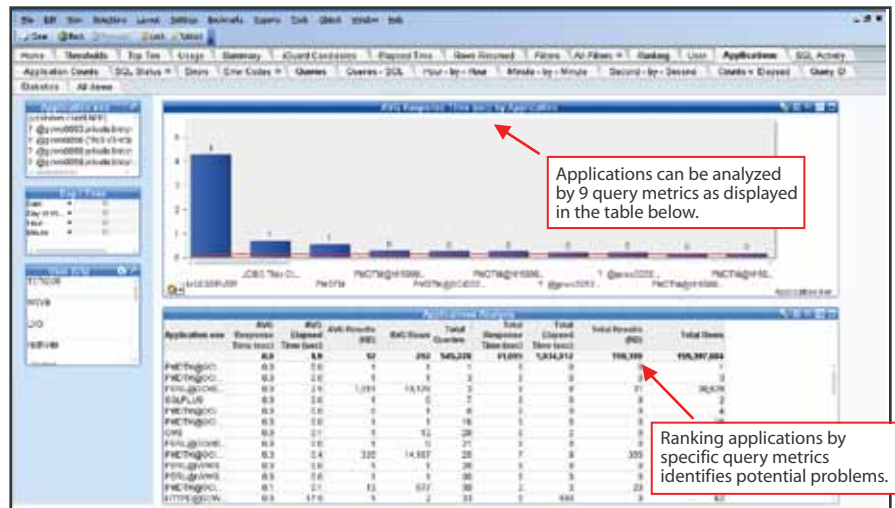
The Concurrency Query Analysis depicts a Minute-by-Minute Analysis of activity over time highlighting spikes in activity that may affect performance. It is a critical tool for pinpointing the timeframe of a series of events for deeper concurrency analysis.

This analysis provides drill-down from hour to minute to second to millisecond enabling precise timing and analysis of SQL events. At any point in the analysis SQL details can be analyzed.

applications ANALYSIS

The Applications Analysis provides deep insight into the behavior of applications and is used to quickly identify unusual behavior.

The most active applications are ranked by key query metrics in both graphical and tabular formats. Key metrics are selectable from the metrics captured in the table.



top ten queries DASHBOARD



The Top Ten Queries Dashboard is used to identify the most significant performance outliers and identify candidates for further analysis or remediation.

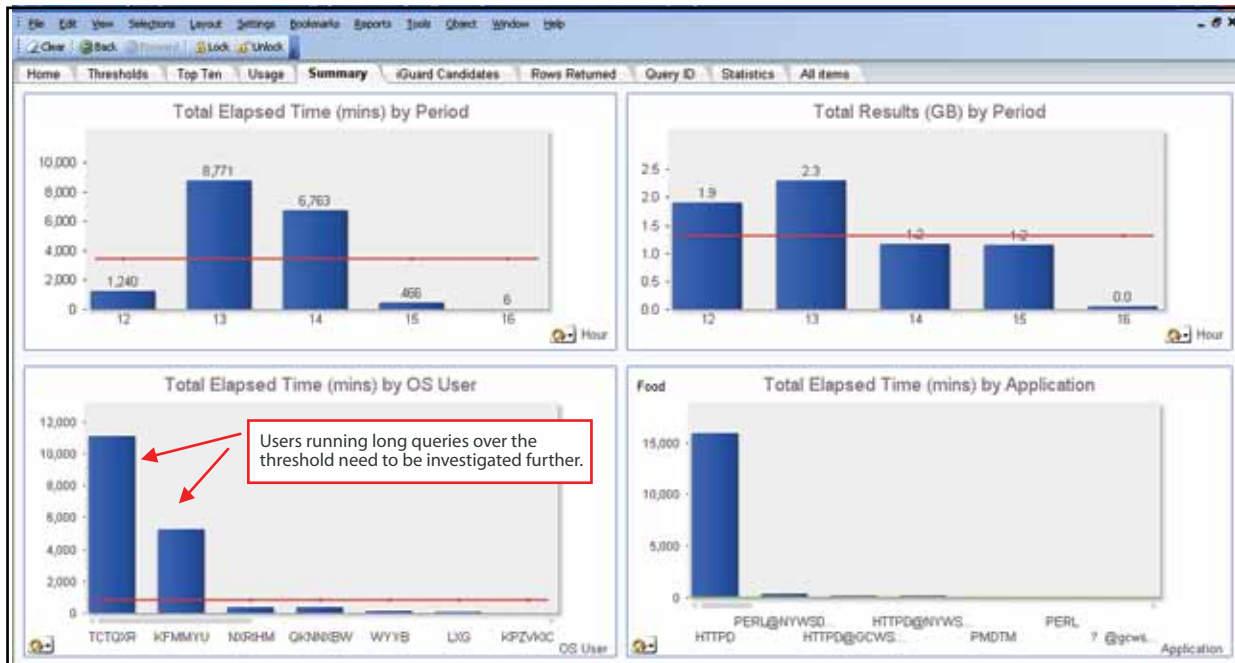
This Dashboard provides immediate visibility into the top queries across metrics including query response time, elapsed time, and result set size. Any of these charts can be drilled-into to for deeper analysis of each of the queries.

usage DASHBOARD



The Usage Dashboard delivers high-level insight into the health of the overall application environment. It graphically portrays usage by applications, users, SQL, and database response time categories.

summary DASHBOARD



The Summary Dashboard provides visibility into resource consumption patterns over time. It provides a visual tool to identify anomalies in overall resource consumption patterns.

This dashboard highlights key metrics by day, date, and hour for elapsed time and GB of data returned. Additionally, it displays ranked consumption patterns for users and applications.

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