

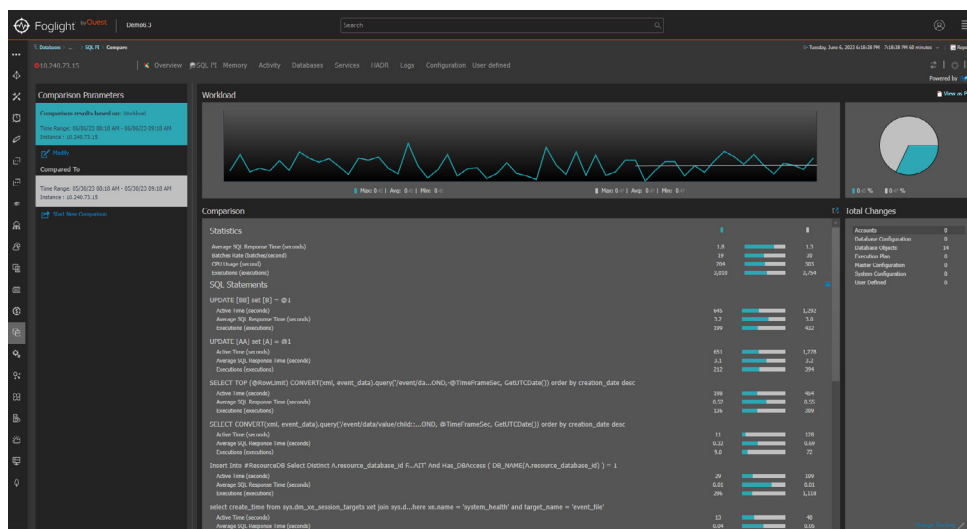
Quest® Foglight® SQL Performance Investigator

With the database landscape evolving, database professionals are faced with increasing challenges, such as:

- Firefighting database performance issues to ensure service levels
- Maintaining SQL efficiency through performance tuning
- Managing complex environments make manual analysis too time-consuming and distract from strategic business initiatives
- Dealing with a lack of upstream visibility into impacted applications and end users
- Managing a variety of many different database vendors and types
- Changing base technologies (virtualization, cloud and storage) resulting in reduced control over available resources
- Accommodating cost-cutting measures while supporting growth and big data requirements

Benefits:

- Institute a seamless workflow using integrated transaction workload investigations and database resource monitoring
- Hundreds of database instances can be monitored with a single monitoring instance
- Agentless data collection executed through remote agents ensures low CPU overhead
- Data collection at one-second intervals ensures high integrity and granularity
- Save time (mean time to resolution) by automatically identifying candidate queries for analysis and optimization
- Significantly improve your database performance and reduce your operational costs



At any point in the investigation, you can generate a comparison report to contrast your current configuration to another point in time for that selection of data or even compare across instances.

What if you could use a smarter database management tool to address these challenges with confidence and with less impact than conventional data collection methods? Quest® Foglight®SQL Performance Investigator ensures optimal database performance with comprehensive database, storage and virtualization monitoring, along with advanced workload analytics.

Features

Query Insights

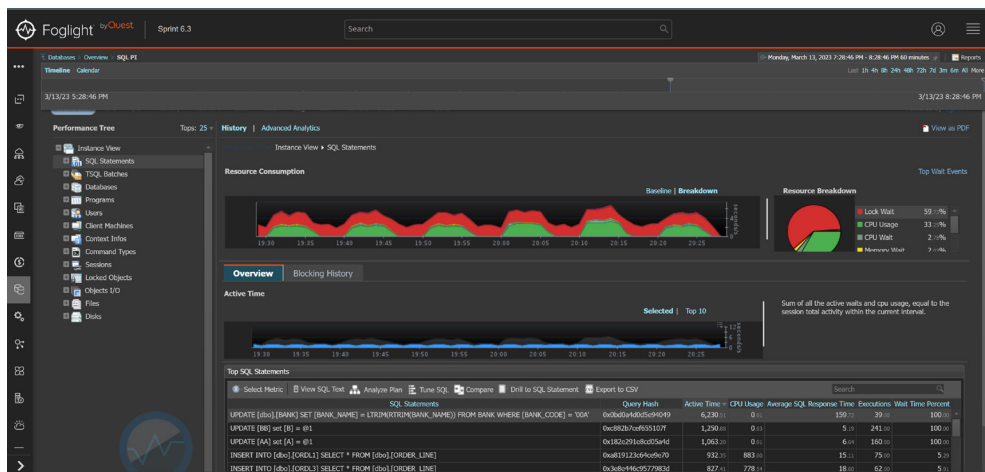
Optimizing time-consuming queries is one of the most effective ways to improve database performance. Foglight Query Insights enables users to identify queries causing significant performance issues and prioritize them accordingly by ranking and sorting queries by their impact, which is calculated based on the percentage of statement workload in comparison to the total instance workload. The filtering feature in Foglight Query Insights is also essential for analyzing

Lock And Wait Analysis

Database blocking can cause considerable application delays, especially in deadlock situations that need to be addressed manually. By proactively alerting you to deadlocks and blocks, Foglight enables you to take preventive action and avoid service interruptions or slowdowns that impact users. When lock timeouts exceed a predefined threshold, Foglight immediately notifies you with an alarm dialog box that contains helpful details and advice.

Multidimensional Workload Analysis

Foglight's multidimensional analysis allows you to “slice and dice” workload data from multiple perspectives. For example, you can drill into the list of databases to find the database with the most load, and then drill into that database to view the top users or see SQL statements for individual users. Each user session can be individually investigated, even in cases where the user name is masked by connection pooling.



Query Insights

Change Analysis

Track database and environment change events to help pinpoint when and why performance changed. This data can be visualized in the investigative drill downs or used in the comparison reports.

Foglight tracks changes in database objects, system configuration, database configuration and execution plans.

- **Execution plan analysis** – After identifying a potentially problematic SQL statement, you can automatically compare its execution plan to prior plans stored in the historical repository to see if there are any significant changes that may have impacted performance
- **Comparison reporting** – Rules ensure that only events worthy of deeper investigation are reported to the historical data repository, which then acts as a data warehouse for future trend analysis and reporting. Comparison reports can be run against the historical data to track deviations from any known good state, informing troubleshooters of appropriate corrective actions.

About Quest

Quest creates software solutions that make the benefits of new technology real in an increasingly complex IT landscape. From database and systems management, to Active Directory and Microsoft 365 migration and management, and cybersecurity resilience, Quest helps customers solve their next IT challenge now. Quest Software. Where next meets now.