

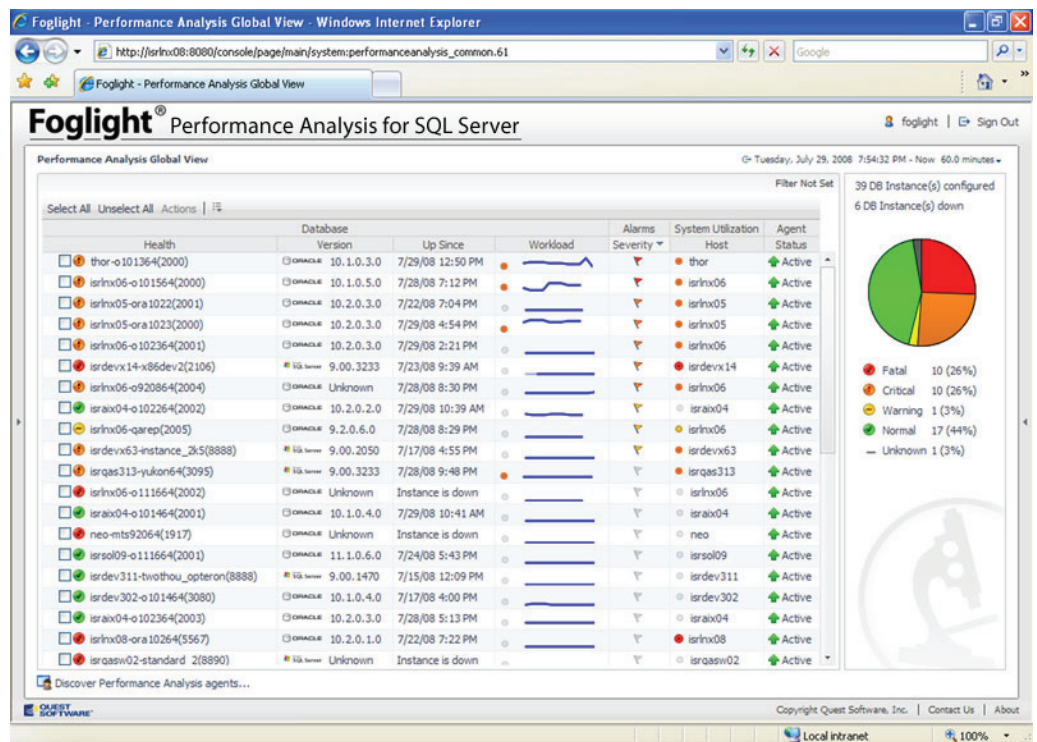


Foglight® Performance Analysis for SQL Server

Intelligent Analysis of SQL Server Performance

Enterprise databases constantly change. And because business success is tied to their productivity, IT staffers must be able to proactively diagnose and resolve bottlenecks and scalability issues that threaten performance. To do this, DBAs must first establish benchmarks to understand the load and throughput the database systems can handle. Plus, they need to collect metrics and monitor activity around the clock. Lastly, DBAs must be able to do both real-time and historical analyses to detect issues and determine proper action plans. With these capabilities, they can maintain operational integrity and end-user satisfaction, while avoiding costly production slowdowns.

Foglight Performance Analysis for SQL Server is a powerful workload analysis tool that offers all of these capabilities. Through advanced features and customizable interfaces, it makes SQL Server performance management faster, easier and more efficient. With Performance Analysis, DBAs can establish critical system benchmarks such as load capacity and throughput levels. If performance baselines are exceeded or inefficient code is detected, Performance Analysis presents DBAs with action plans offering an analysis of the problems and recommendations for improvement. It can also identify changes to the operating system, to the SQL Server instance or to any database or schema, including adjustments in the execution plans of the top performing SQL statements. And with unlimited historical data retention, DBAs can fully understand the dynamics of their application workload performance over time.



Core Differentiator

- Analyze SQL Server performance quickly and easily through management dashboards
- Expose bottlenecks, anomalies and trends rapidly through sophisticated historical analysis
- Consolidate performance data with built-in reports geared toward a variety of audiences
- Intelligently alert and provide recommendations to speed problem diagnosis and resolution

Unique Features

- StealthCollect® technology provides elaborate in-memory data collection
- IntelliProfile® technology establishes true, time-sensitive performance baselines
- Advisories automate context-sensitive, integrated health checks for issue detection
- Historical lock analysis delivers blocking lock scenarios for root cause analysis
- Web console enables enterprise visibility, administration, alerting and custom reporting



System Requirements:

Supported Database Servers:

SQL Server versions:

- SQL Server 2000
- SQL Server 2005
- SQL Server 2008

Operating Systems:

- Windows 2000
- Windows 2003 32-bit
 - 64 bit (Itanium)
 - 64 bit (x64)
- Windows XP (up through SP2)
- Windows 2008

Client:

Hardware:

- Pentium III
(Pentium IV recommended)
- Dedicated Client: 512 MB of RAM
- Shared Client: 1024 MB of RAM

Operating System:

- Win2000 (SP3 or later)
- Windows XP (SP1 and SP2)
- Win2003 (R1 and R2)
- Vista Business

Additional Software:

- Microsoft® Internet Explorer 6.0 or later
- Microsoft Data Access Components (MDAC) v2.6 or later

Main Features in Foglight Performance Analysis for SQL Server:

StealthCollect® – This technology employs an in-memory collection method. Deep SQL-level and environmental metric collections and analyses are possible up to 50 times per second at a fraction of the overhead imposed by tracing or T-SQL-based collection methods.

Context-Sensitive Advisories – These automatic advisories provide performance tuning suggestions and code reviews, empowering DBAs to make informed, confident, decisions. This built-in intelligence is like having an in-house SQL expert review workload data and produce custom reports to guide DBAs toward maximizing performance.

True Time-Sensitive Baselines – The IntelliProfile® algorithm employed by Performance Analysis presents DBAs with the most current baseline information on all instance-level data in intuitive dashboards and custom reports. This allows every DBA to easily determine if an activity is outside the bounds of expectations and to act as an application expert.

Historical Lock Analysis – This utility allows DBAs to review historical data on blocking lock scenarios, including details on the database, object, lock type, blocked SQL statements and the blocking SQL. With the utility completely integrated into all Performance Analysis dashboards, DBAs can fully understand the dynamics of blocking in their environments and how to resolve concurrent issues.

Statement-Level Wait Event Analysis – Wait event data is available down to the statement level, greatly decreasing the time required to resolve resource-related performance problems. Typically, wait event analysis is only possible at the instance level, so DBAs are forced to address resource bottlenecks for all activity that occurs during a particular time period

About Quest Software, Inc.

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