SQL *diagnostic manager*™

Find and fix SQL Server performance problems in 30 seconds or less

SQL diagnostic manager is a powerful performance monitoring and diagnostics solution that proactively alerts administrators to health, performance, or availability problems within their SQL Server environment via a central console or mobile device. SQL diagnostic manager minimizes costly server downtime by providing agent-less, real-time monitoring and customizable alerting for fast diagnosis and remediation of SQL Server performance and availability problems. SQL diagnostic manager also provides a 'community' environment where, using Idera's IntelliFeed™ technology, DBAs form a community to collaborate to quickly resolve problems, perform maintenance, and capture best practices.

SQL diagnostic manager provides real-time or historical performance metrics, including resources, locks, blocks, and session information. The History Browser also enables the server state to be shown as it looked at a historical point in time.

SQL diagnostic manager provides insight into historical query performance. The Query Monitor tracks the worst performing or most frequently run queries, including their resource usage per execution.

WHY SQL DIAGNOSTIC MANAGER?

In many organizations today, SQL Server supports business critical applications where server downtime or poor performance has an immediate impact on business productivity. As a result, ensuring SQL Server performance and availability is arguably the most critical function for DBAs today. At the same time, SQL Server DBAs are tasked with supporting constantly growing SQL Server deployments with limited resources. In order to effectively manage these growing environments, DBAs need reliable, real-time information on the status and health of their complete SQL Server environment, along with diagnostic tools to quickly pinpoint and resolve performance issues. SQL diagnostic manager meets these needs by monitoring the performance of all SQL Servers and providing the most comprehensive SQL Server diagnostics on the market.

PRODUCT HIGHLIGHTS

- Performance monitoring and alerting for hundreds of physical and VMWare databases
- Complete visibility via one enterprise console that can be customized to your needs
- Agentless and low-impact design provides setup and use in less than 30 minutes
- Rewind time to troubleshoot issues that happened last night or last week
- Get a handle on SQL Server sprawl with database growth forecasting and planning
- Identify inefficient code and top offending queries that cause blocks and deadlocks
- Enjoy life outside the office with monitoring on the go from any mobile device
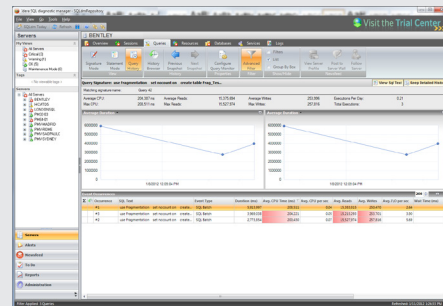
> " *SQL diagnostic manager gives us the information we need to quickly identify and resolve SQL Server problems before they happen. Now we are spending more time on proactive and strategic planning—instead of putting out fires.* "
>
> - Chief Systems Architect
> Managed Healthcare Company

SOLUTIONS FOR PERFORMANCE MONITORING

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TECHNICAL FEATURES

Powerful Performance Monitoring and Diagnostics

– **Continuous Monitoring and Analysis—**Provides continuous monitoring and real-time analysis of SQL Server and OS health and performance metrics across all SQL Servers enterprise-wide, including clustered configurations.

– **Physical and Virtual Performance Monitoring—**Easily monitor and view the performance of both physical and VMware server environments to get a complete view of the performance of your SQL Server databases. View performance metrics and alerts for VMs and their related ESX hosts, including CPU, memory, disk usage, network throughput and more.

– **Customizable Dashboards—**Customize the Server Dashboard to see the performance metrics most relevant for any given database. Dashboards can be saved as templates and shared across servers or console users.

– **Performance Baselines—**View server baseline performance and compare a server's baseline over time ranges, as well as across different servers. Plus generate reports that show the baseline in the given performance metric's graph, allowing for better capacity planning.

– **Adaptive and Automated Alerting—**Automatically identifies alert threshold recommendations based on historical performance data and automatically takes corrective action.

– **History Browser—**Quickly and easily diagnose historical SQL Server performance problems by selecting a past point-in-time to view historical SQL Server and OS performance metrics.

– **Custom Monitoring—**Ability to add any SQL, Windows or DMV counter for total flexibility in monitoring and alerting.

– **Pinpoints Session Locks, Blocks and Deadlocks—**Identify locks, deadlocks and blocked sessions and see the complete blocking chain for easy identification and resolution.

– **Query and Wait Stat Monitoring—**dentifies performance bottlenecks such as the worst performing queries along with what resource is causing the longest wait time, long-running queries, and most frequently run queries.

– **Monitor tempdb, Replication and Mirrored Environments—**Monitor and alert on performance issues affecting tempdb, mirrored database or replication environments.

– **Fragmentation Statistics—**Displays fragmentation statistics to help you identify indexes that may need attention.

– **Mobile Management—**Use any mobile device to view real-time and historical SQL Server performance data, view or kill sessions, start/stop jobs and run queries to resolve or diagnose issues.

– **Knowledge Base—**Provides the ability to add custom environment-specific details to reduce problem resolution time, increase availability, and increase internal awareness.

Enterprise Management Features

– **Enterprise-class Scalability—**Hundreds of servers can be monitored from a single console, providing an unprecedented level of visibility and control of the SQL Server environment.

– **Application Security—**Flexible customization of server access and security permissions allow DBAs to have full access to one or more servers while other users such as Help Desk Operators are provided read-only access.

– **PowerShell Snapin—**Quickly and easily script many of the SQL diagnostic manager management tasks using the PowerShell Snapin.

– **Central Data Repository—**Stores all historical performance data in a central repository, enabling analysis of long-term trends, capacity planning and other strategic analysis.

– **Powerful Reporting—**Includes predefined reports highlighting key performance trends, along with an easy to use reporting interface for users to conduct customized historical performance trending, analysis, and forecast reporting.

– **Agent-less, Low-impact Monitoring—**Provides simple, secure data collection from a background service. No agents or components of any kind are installed on the monitored SQL Servers.

KEY BENEFITS

Increases SQL Server availability
SQL diagnostic manager continuously monitors the entire SQL Server environment and provides immediate, customized notifications when performance or availability issues are discovered. Once notified, DBAs and other administrators can quickly investigate, diagnose and correct performance and availability problems.

Comprehensive view of current performance
SQL diagnostic manager summarizes current server status across the enterprise and makes this information available on the desktop or mobile device. The server dashboard collects and displays extensive real-time activity, status and performance information for sessions, queries, system resources, databases, services, and logs.

Remote mobile SQL Server access
SQL diagnostic manager mobile provides anytime, anywhere access to monitor, diagnose or resolve issues. Real-time and historical performance data, session details, job data and the ability to take corrective action to resolve issues means you don't have to be tied to your desk.

Improves the productivity of both skilled and novice DBAs
SQL diagnostic manager's IntelliFeed™ technology uses a social networking paradigm to build a 'community' of DBAs and SQL Servers. IntelliFeed™ allows users to follow, monitor and collaborate with particular SQL Servers, alerts, or co-workers ensuring effective communication and providing the ability to easily share and capture best practices.

Offers easy installation and use
SQL diagnostic manager can be installed quickly with no agents or other database objects required on the monitored servers. A typical installation and configuration will take less than 30 minutes.

idera®

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