

SELECTED STRENGTHS OF SQL DIAGNOSTIC MANAGER

INTRODUCTION

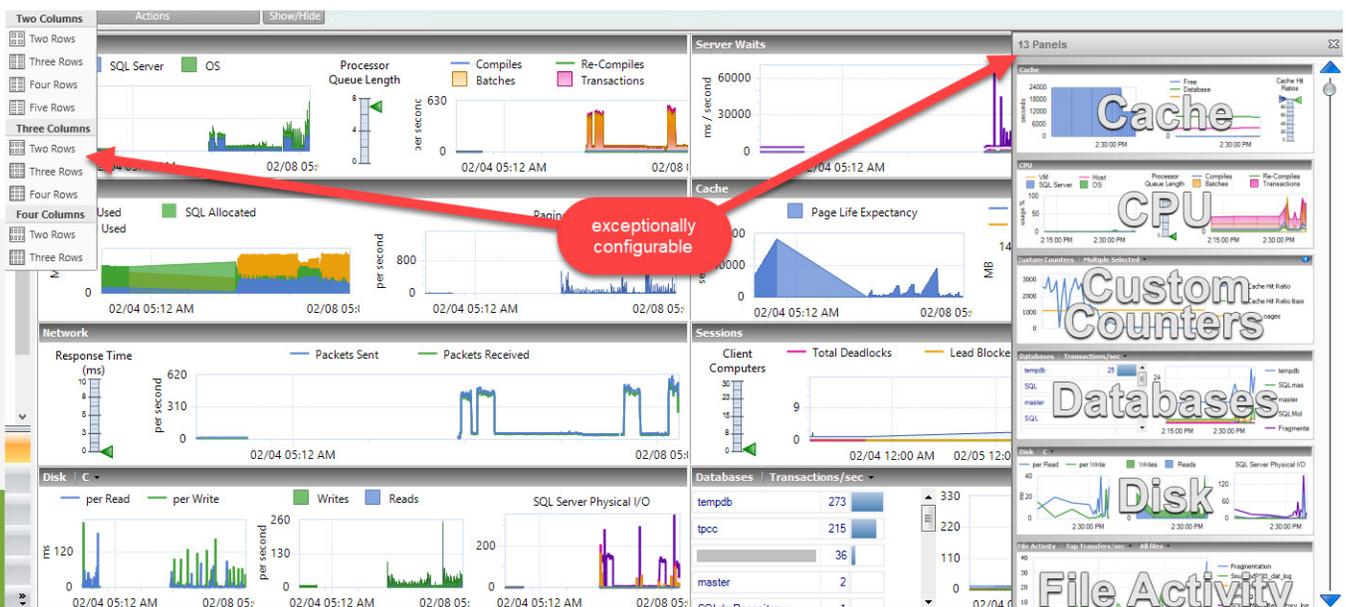
In many organizations today, Microsoft SQL Server supports applications that are critical to organizations where downtime and poor performance has an immediate impact on organizational productivity. As a result, ensuring SQL Server performance and availability is arguably the most critical function for database administrators today. At the same time, SQL Server database administrators need to support with limited resources SQL Server deployments that are always growing. To effectively manage these growing environments, database administrators need reliable, real-time information on the status and health of the entire 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. It is a robust performance monitoring, alerting and diagnostics solution. It proactively notifies of health, performance, and availability problems for SQL Server environments. It minimizes costly server downtime with agent-less, real-time monitoring and customizable alerting for quick diagnosis and remediation. It provides the most comprehensive diagnostics on the market.

This solution brief outlines the current competitive differentiators of SQL Diagnostic Manager.

DASHBOARD CONFIGURATION

The initial dashboard overview that SQL Diagnostic Manager displays is entirely customizable with different categories of counters. Even within those areas, the dashboard shows different metrics. This customization is a differentiator. The dashboard can show anything that a database administrator may find useful. Moreover, the dashboard highlights such information in a standard way as opposed to being very static. Further, the ability to add or remove columns and rows to existing dashboards allowing for displays on monitors of different size is a great feature. The ability to set up multiple dashboards for different people and diverse potential uses is another excellent if not underutilized feature.



QUERY-LEVEL WAIT STATISTICS

For a database administrator who focuses on performance, query-level wait statistics is a premium feature. Being able to glance at an execution of a query and see the actual ways in which that instance of the query waited is exceptionally powerful. Occasionally, a query unexpectedly takes considerably longer to execute than expected. Being able to compare the two executions quickly is currently one of the biggest technical differentiators of SQL Diagnostic Manager.



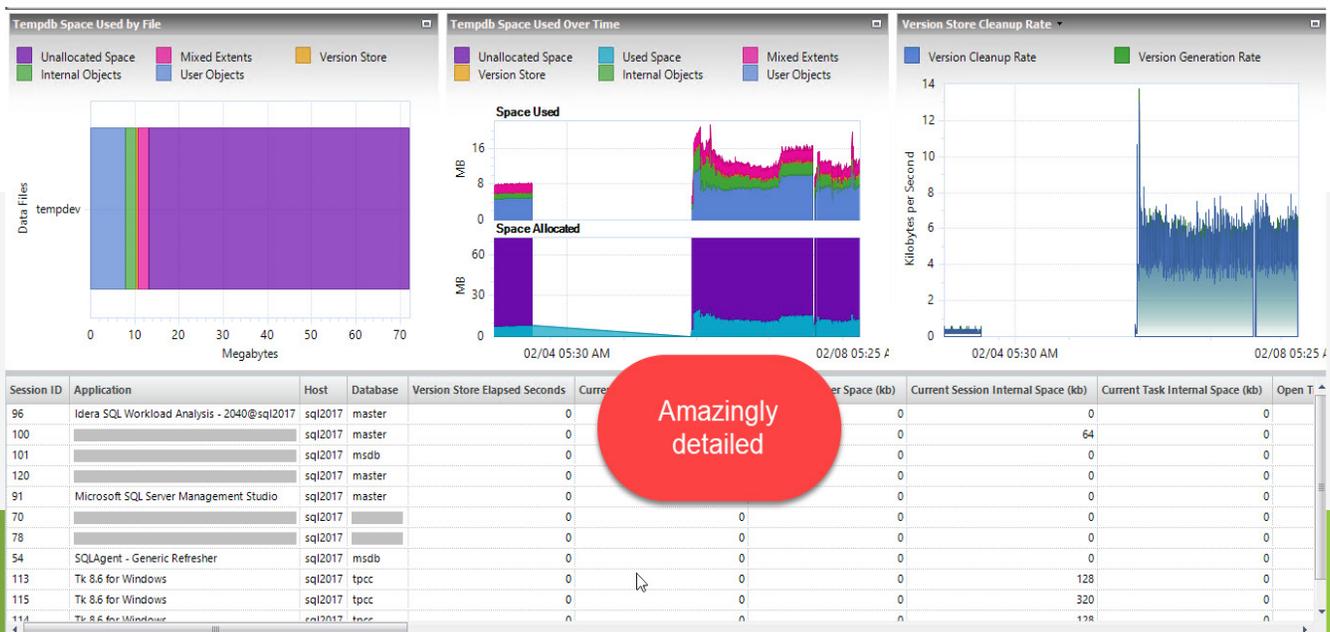
BACKUP MONITORING

The question “Is my data backed up?” is one of the most critical pieces of information for most organizations. By default, SQL Diagnostic Manager automatically alerts when the system misses a backup. Such an alert is merely a fundamental monitoring task. Every organization that monitors their data wants to know are that their data is secure and that their backups are happening. Alerting on whether a backup job completed successfully merely is not enough. The number of ways in which a backup job can execute successfully but fail to back up a particular database is substantial so monitoring the agent job for failure is just not good enough not to mention those customers whose backups are managed by processes outside of SQL Server Agent.

❌	Remained Critical	2/8/2018 3:12:45 AM	sql2017	Database IDERADashboardRepository is not backed up for 9999999 days.
❌	Remained Critical	2/8/2018 3:12:45 AM	sql2017	Database BackupDemo is not backed up for 9999999 days.
❌	Remained Critical	2/8/2018 3:12:45 AM	sql2017	Database model is not backed up for 9999999 days.
❌	Remained Critical	2/8/2018 3:12:45 AM	sql2017	Database tpcc is not backed up for 9999999 days.

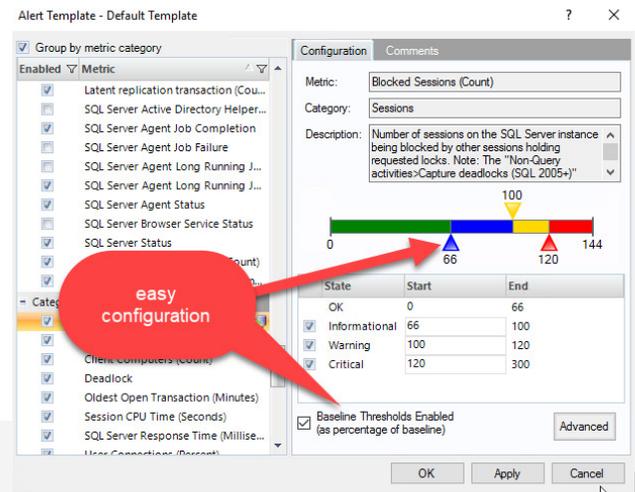
TEMPDB MONITORING

SQL Diagnostic Manager currently leads the marketplace in the monitoring of the tempdb system database. The views available are everything that may be needed by a database administrator who is troubleshooting a tempdb issue. Often database administrators are faced with a scenario where tempdb filled in the middle of the night, but no one knows what was running. The snapshot browser and timelines of changes make this a straightforward question to answer.



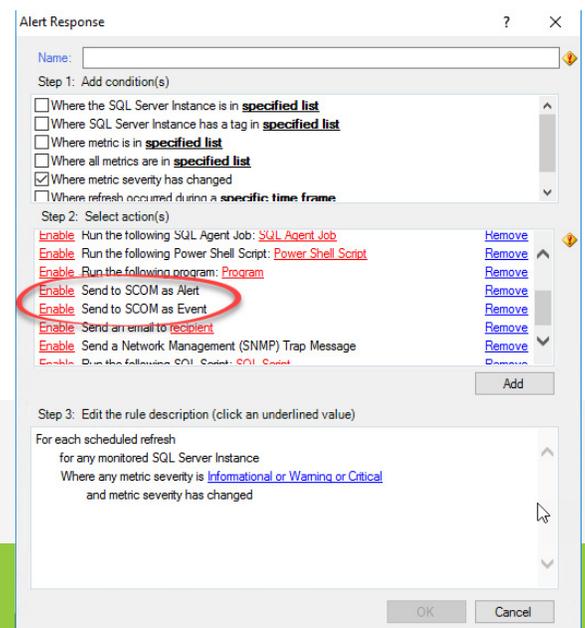
ALERTING

Alerting in SQL Diagnostic Manager has advantages. Alerts based on baseline threshold percentages is a distinct advantage. This feature is an easy button for alerting. It is not necessary to know anything about the particular counter. It is only required to see that it has exceeded a percentage of the defined baseline. This simplicity is particularly useful for the accidental database administrator who is feeling overwhelmed.



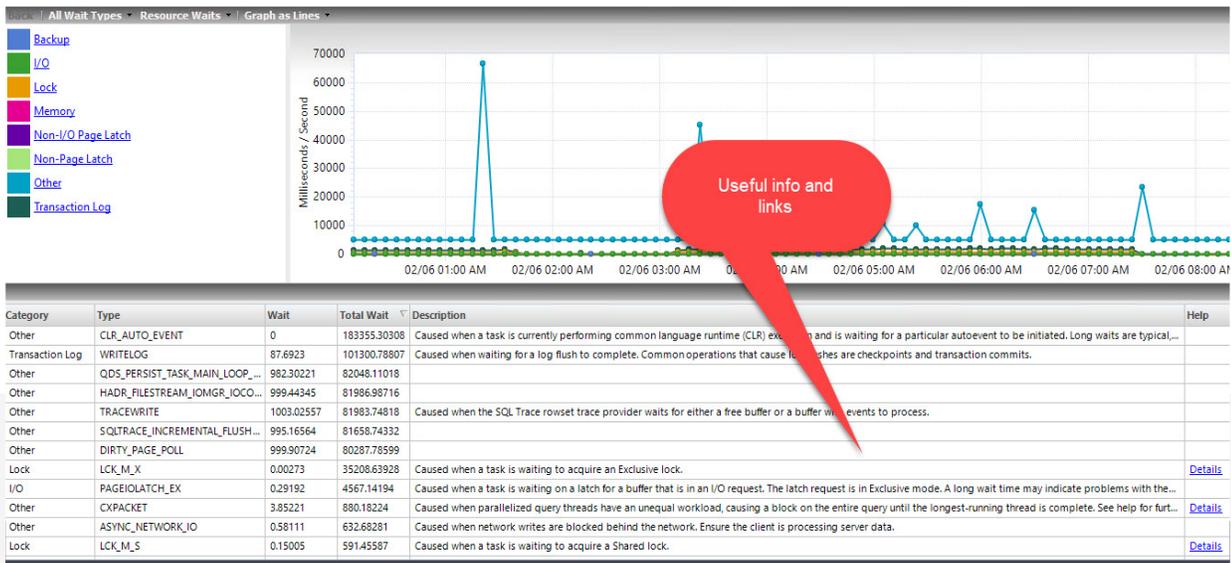
SCOM INTEGRATION

SQL Diagnostic Manager has integration with Microsoft System Center Operations Manager (SCOM) built-in. In larger organizations with a dedicated monitoring team or existing monitoring standards, this integration is a huge selling point. Many larger organizations do not consider monitoring solutions that do not fall neatly into their preexisting monitoring umbrellas. Often that preexisting monitoring umbrella is SCOM. SQL Diagnostic Manager also supports SCOM integration via sending Simple Network Management Protocol (SNMP) traps, but this solution is less advanced.



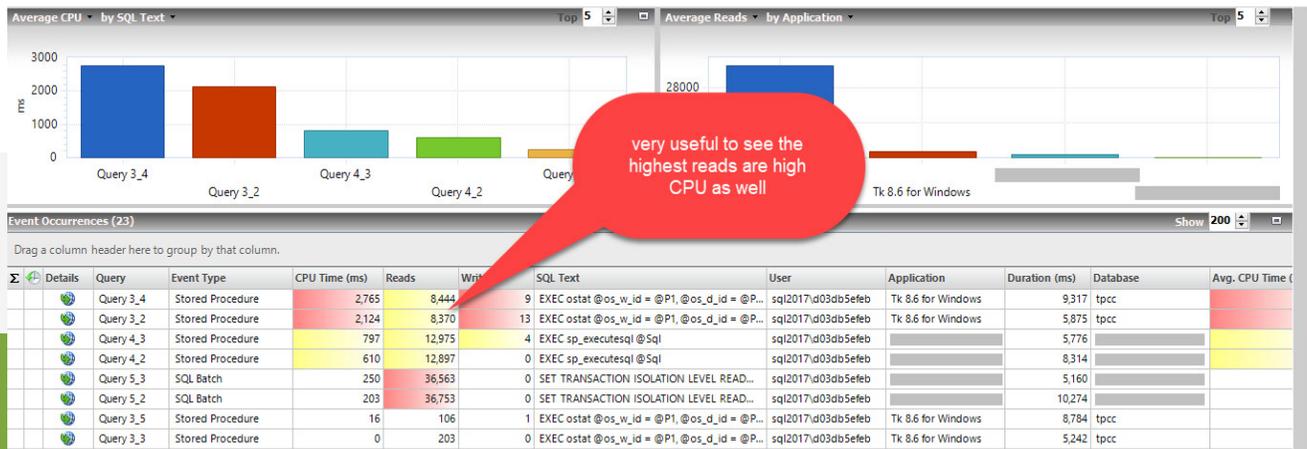
SERVER-LEVEL WAITS

The display of waits along with their descriptions and links to external help is a differentiating feature. The differentiator here is these descriptions and links to external sites.



QUERIES

In the QUERIES tab, the shading of the different values in the various columns based on top 20% and 5% regardless of sorting is a differentiator. This view is a differentiator since it efficiently displays critical information in two different manners while keeping the same sorting.



With **SQL Diagnostic Manager**, unscheduled downtime on SQL Server has been cut by a third.

Neil Leslie
IT Architect for General Electric Company

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