IBM

DB2® Information Management Software

IBM DB2 Query Monitor for z/OS, Version 2.3

Highlights

■ ***Spots trouble before it can cause significant waste of DB2 resources***

■ ***Identifies users and locations issuing problem structured query language (SQL)***

■ ***Triggers actions by defining warnings when query activity crosses thresholds***

■ ***Stays ahead of your workload and keeps availability high***

■ ***Supports extended functionality of IBM DB2 Universal Database, Version 8***

Integrates with DB2 Audit Management Expert, V2.1

Meeting your unique IT needs

To get the performance users demand, you must constantly monitor SQL activity. In order to make this process as efficient as possible, you need to be able to customize your views of query activity.

IBM DB2® Query Monitor for z/OS®, Version 2.3, provides you with the ability to efficiently customize and tune your SQL workload and DB2 objects to ensure the effectiveness of your DB2 subsystems. Enhanced with new features, DB2 Query Monitor offers you extensive choice in determining what monitoring information you will gather, and when to collect it.

For instance, user-defined settings trigger warnings when you cross a threshold, helping you avoid unnecessary repair costs. If SQL queries are taking a long time, you can find what is causing the delays in near real time, which keeps down the cost of troubleshooting. The tool also enables you to cancel threads visible in its current activity display. And if the SQL triggers an alert, the tool's consolidation and analysis engine can also issue an automated cancel thread request. Unlike other SQL monitoring tools, DB2 Query Monitor enables you to view all the SQL statements that are open in DB2, helping to debug solutions.

Fine-tuning your database

The latest version of the low-overhead DB2 Query Monitor helps you manage your data assets more cost effectively with GUI-based reporting, viewing and configuration capabilities that enable you to:

- *View and configure monitoring across your enterprise from a single console.*
- *Access consolidated data and events for DB2 subsystems – within a single z/OS image or across multiple z/OS images – independent of the existence of a coupling facility.*
- *Consolidate your view of data-sharing group activity from the perspective of the data-sharing group as a whole.*
- *Conveniently access DB2 Query Monitor alerts from a Web-based client to view performance data.*

Other new features include:

- *Collect SQL activity information at an increased level of granularity, enabling you to capture SQL activity down to the level of a unique piece of SQL text (for both dynamic and static SQL), and an individual DB2 authorization, correlation, workstation ID, or workstation name.*

- R *DB2 Query Monitor V2.3 can share an SQL Collector with DB2 Audit Management Expert for z/OS, V2.1, as long as both products are running on the same DB2 subsystem.*

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- *Proactive event notification, which alerts you to exceptional events on a monitored DB2 subsystem in real time. Also, new knowledge-based analysis functionality examines exceptional events to determine and reveal the underlying problems, such as lock delays or a poor buffer pool hit ratio.*
- *New autonomic functionality, which enables DB2 Query Monitor to execute user-configurable responses to a wide variety of events. Among the available responses are e-mail, write-to-operator (WTO) and curative actions such as console commands and batch job submissions.*
- *Interval-based storage, which consists of VSAM data sets with information gathered by the collection points in DB2 Query Monitor.*
- *Enhancements that enable you to load summary data from VSAM data sets into DB2 tables for analysis by other applications, adding flexibility to your use of the data. You can write reports in your own format using SQL or any SQL-based reporting tools, such as IBM QMF™ and QMF for Microsoft® Windows®.*

Integration provides additional value

Integration with Visual Explain for DB2 for z/OS and Tivoli® OMEGAMON® XE for DB2 Performance Expert on z/OS provides greater ease of use and saves time. Once DB2 Query Monitor identifies a poorly performing query, you can easily launch Visual Explain to view graphical depictions of the query access paths to select the most efficient path. DB2 Query Monitor can also launch Tivoli OMEGAMON XE for DB2 Performance Expert in context and display threads in the active subsystem to save you navigation time.

DB2 Query Monitor also enables you to invoke IBM DB2 SQL Performance Analyzer when you've discovered a problem SQL statement. In addition, with autonomic capabilities such as proactive event notification and knowledge-based analysis, DB2 Query Monitor helps you follow the IBM roadmap to the autonomic data center while maintaining your DB2 environment more efficiently.

Protecting your investment

DB2 Query Monitor supports DB2 Universal Database™, Version 7 and later. As with other performance management tools in IBM's portfolio, DB2 Query Monitor is backed by IBM services and support to help you achieve maximum return on your investment. For more information about services from IBM tools specialists and IBM Business Partners, visit **ibm.com**/software/data/db2imstools/services.html. To access product information, hints and tips, frequently asked questions and IBM Redbooks, go to **ibm.com**/software/data/db2imstools/support.html.

For more information

Please contact your IBM representative or IBM Business Partner or visit our Web site at **ibm.com**/software/data/db2imstools.

When ordering DB2 Query Monitor for z/OS, Version 2.3, please refer to program number: 5697-I03.