Datasheet

BMC AMI SQL Performance for Db2®

Monitor workload impact, identify expensive queries, and ensure that SQL runs efficiently

PRODUCT DESCRIPTION

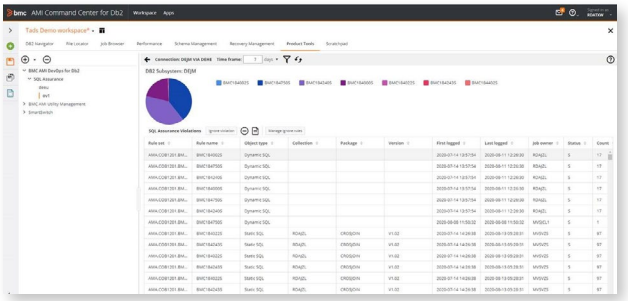
BMC AMI SQL Performance for Db2® for delivers modern solutions designed for a new generation of mainframe professionals to quickly eliminate wasteful SQL statements, manage performance throughout the application lifecycle, and audit privileged access to reduce risk. Rapidly diagnose performance problems, track them to their source, tune SQL and anticipate and resolve slowdowns to avoid bad SQL, bad access paths, and costly CPU upgrades.

BUSINESS CHALLENGE

New and changed applications drive large, increased transaction loads that are difficult to manage and impact performance. When applications perform poorly, they degrade business service delivery and typically consume excessive resources. Highly experienced DBAs are retiring and new mainframe professionals need innovative tools to help them quickly identify which SQL statements are causing problems and tune these applications to improve performance. **Without modern solutions, organizations struggle to keep SQL optimized and digital business running smoothly**.

BMC SOLUTION

BMC AMI SQL Performance for Db2® improves the efficiency of SQL across your Db2® environment. Quickly identify and tune your most resource intensive SQL statements to reduce CPU consumption while improving performance and availability. Optimize workload access paths, improve your index strategy, and audit privileged SQL access users by SYSADM to reduce risk with a secure interface that streamlines workflows and provides insights into problems.



Visualize your SQL statements with an easy to use graphical user interface.

KEY FEATURES

BMC AMI SQL Performance for Db2® helps supercharge backup and recovery.

- **Mobile access** – Increases productivity for DBAs and developers with an intuitive tool and secure, mobile access to the mainframe
- **Graphical user interface** – Simplifies tuning analysis and expedites recovery progress and reporting
- **Secure and self-service** – Streamlines workflows with web-based insights into Db2®
- **Migration capability** – Migrates Db2® statistics across subsystems and compares SQL statements and index analysis

KEY BENEFITS

- **Diagnoses, tracks, and effectively tunes performance problems**
- **Improves response times** for your end users without expensive hardware or software upgrades
- **Compares workloads for ease of migrating** from one release to another and maintains your service level agreements with healthy, efficient SQL statements

PRODUCT DETAILS

BMC AMI SQL Performance for Db2® integrates the functionality of the following technologies into a single offering to optimize performance and availability with the following products: BMC AMI Apptune for Db2®, BMC AMI SQL Explorer for Db2®, BMC AMI Command Center for Db2®, and Performance Advisors for Db2®.

Troubleshooting: Increase availability by pinpointing resource consuming SQL statements without running expensive SQL traces. Collect performance data in real-time for every SQL statement, summarize the collected data, and store it for analysis. Identify the most heavily accessed Db2 tables and indexes, and conduct analysis by subsystem, buffer pool, database, and data set (tablespace and index space).

Intuitive, graphical interface: Gain insights into Db2 information through an intuitive, graphical user interface. Test changes and compare results before committing changes to SQL or physical structures. Skills transfer is easy with point-and-click capabilities that reduce demands on scarce DBA staff and support a new generation of DBAs.

Streamline processing and tuning expensive SQL statements: Quickly identify the largest resource consuming, performance constrained, or error-prone SQL statements in all phases of the application life cycle. Obtain information about tuning opportunities, the impact of SQL statements on the workload, and the dynamics of the target Db2 subsystem. Tune applications before moving them.

Audit privileged access by users with SYSADM: Report on all the SQL that is run with a list of user IDs, essentially DBAs who have SYSADM access. This requirement is driven by internal auditors and reduces risk.

Efficient reorganization: Evaluate both space usage and performance metrics to determine when or if reorganization is necessary. Identify and remove unused indexes to avoid unnecessary reorganizations.

Access path analysis: Compare several versions of your workload access paths to avoid problems when making a change or moving to a new environment. Validate your SQL during development to ensure valid access paths and uphold SQL best practices. View SQL statements accessing an object and prioritize SQL statements for tuning.

Index usage analysis: Identify used and unused indexes and model index changes to improve your indexing strategy. Identify access path changes and changes in SQL statements to correct performance problems before an application reaches production. Analyze SQL statements extracted from any source where SQL is exposed. Parse SQL statements, check statement syntax, and run the statements while developing an application.

Historical performance: Gather and manage historical performance data for trending and analysis. Create and store the history that contains all environmental information used by DB2 to select access paths. Simulate adding indexes and changing statistics before going to production. Store and review a history of past analysis so that changes can be quantified, and the differences are automatically extracted. Set application performance using expert rules to detect SQL statements, establish installation specific rules, set or change thresholds, and issue warnings.

Advisory capabilities: Get recommendations for opportunities for tuning and optimization. Assess the structure of indexes and make recommendations for improvement. Compare multiple versions of workload access paths to model changes.

FOR MORE INFORMATION

To learn more about BMC AMI SQL Performance for Db2®, please visit **bmc.com/it-solutions/bmc-ami-sql-performance-db2.html**

About BMC

From core to cloud to edge, BMC delivers the software and services that enable over 10,000 global customers, including 84% of the Forbes Global 100, to thrive in their ongoing evolution to an Autonomous Digital Enterprise.

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