

## IBM DB2 Performance Expert for Multiplatforms, Version 2.2

### Highlights

- **Makes DBAs more proactive in managing DB2 performance so they can identify and resolve bottlenecks before they impact your business**
- **Provides statistics and graphical views so DBAs get the information they need to evaluate the on-going health of their DB2 databases**
- **Makes tuning recommendations to help DBAs improve overall system performance**

#### Generating greater value from your database

Optimizing database performance in a multiplatform environment can be one of your database administrators' (DBAs') most critical and challenging tasks. To make their jobs easier, turn to IBM DB2® Performance Expert for Multiplatforms, Version 2.2. DB2 Performance Expert helps DBAs optimize the performance and availability of DB2 and resolve performance bottlenecks before they affect your business.

DB2 Performance Expert helps you optimize buffer pools, tune your database for maximum throughput and improve database capacity and reliability. With the latest version you now get a detailed analysis of system performance based not only on data from DB2 but also from the operating system as well. You can create detailed reports about the operating system as well as SQL, database and buffer pool activity to get valuable input into performance tuning. To reactively and proactively improve system and application performance you can now also identify resource shortages and exceptional conditions in DB2 as well as the underlying OS including:

- *Locking conflicts and deadlocks.*
- *Applications and SQL statements causing high workloads.*
- *Buffer pool, cache and heap sizes.*
- *Table space full.*
- *CPU, memory, file system shortages.*

With DB2 Performance Expert you can also:

- *Analyze the efficiency of DB2 and DB2 applications online, sending immediate alerts of problems and monitoring individual or multiple DB2 partitions in parallel from one control point.*

- *View and examine the status of active DB2 instances and applications, and investigate past events and performance problems, resulting in an accurate representation of database behavior.*

#### Thorough monitoring to prevent problems

DB2 Performance Expert provides relevant statistics and graphical views to continually update you about the health of your DB2 databases.

The tool's redesigned online monitor now includes evolution graphs showing important performance counters and precalculated metrics that help simplify monitoring and provide better task efficiency. These enriched features help make it easier for you to monitor DB2 system performance and availability in real time and to observe critical DB2 performance counters from a single view.

With the ability to present analytical results in specialized reports, you can tailor DB2 Performance Expert to suit your organization's unique needs. For instance, in a particular database application, you can find out the elapsed time to perform a query, the read and write activity involved, and the SQL statements executed.

## Leveraging the data warehouse to improve performance

DB2 Performance Expert includes a Performance Warehouse that stores database performance data and operating system data in DB2 tables. The Performance Warehouse lets you leverage the tool's autonomic capabilities to define, schedule and run automated processes, such as:

- *Collecting performance trace data and generating reports using the data saved.*
- *Using the saved DB2 performance data for further investigation and trend analysis.*
- *Performing automatic upgrades of the performance database tables if the product supports new fields.*

The Performance Warehouse lets you quickly and easily identify performance bottlenecks and other potential issues by analyzing the data in the performance database using queries or Rules of Thumb that are either predefined or defined by you. To foster greater consistency in performance data availability, you can save database and bufferpool activities records directly into the performance database based on snapshot data.

## Extending capabilities to enterprise systems

DB2 Performance Expert for Multiplatforms supports DB2 Universal Database™, Version 8.1, on Linux®, UNIX® and Microsoft® Windows®. Because the tool requires only one “data collector” server per DB2 network, it is easier to install and administer for multiple DB2 monitored instances.

The latest version of the tool fully supports DB2 Universal Database Enterprise Server Edition (with the Database Partitioning Feature), as well as DB2 Workgroup Editions. A plug-in that's included for IBM DB2 Control Center provides a single entry point for DB2 system administration and performance monitoring.

DB2 Performance Expert is backed by IBM services and support, which can help you maximize the return on your investment. For more information about services from our tools specialists and IBM Business Partners, visit: **ibm.com/software/data/tools/mptools.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 marketing representative or IBM Business Partner or call 1 800 IBM-CALL within the U.S.

When ordering, please refer to the following program numbers:

DB2 Performance Expert for Multiplatforms, Version 2.2: D512GLL

DB2 Performance Expert for Workgroups, Version 2.2: D52A5LL



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