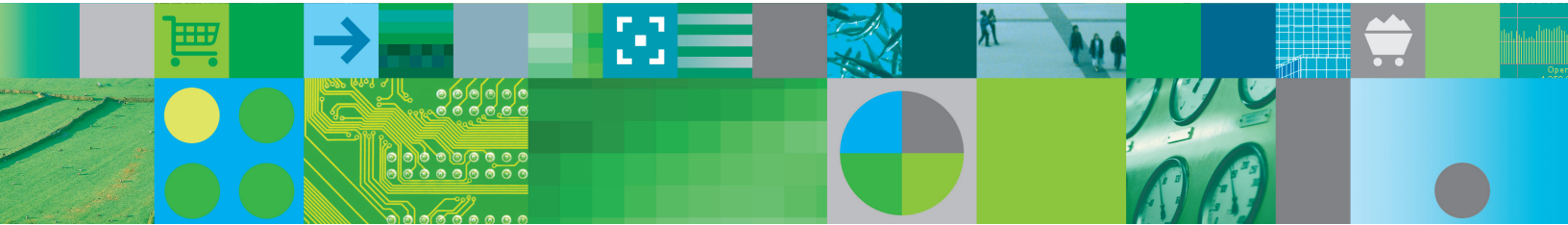


IBM DB2 Performance Expert for Multiplatforms, Version 3.1



Highlights

- ***Enable your DBAs to be more proactive in managing DB2 performance***
- ***Identify and resolve bottlenecks before they impact your business***
- ***Get the information you need to maintain the health of your DB2 databases by using statistics, trends, and easy-to-read graphical displays and alerts***
- ***Obtain tuning recommendations to help DBAs improve overall system performance***
- ***Easily monitor workload management entities, statistics, and activities over time***

Generating greater value from your database

Optimizing database performance in a Linux®, UNIX®, and Microsoft® Windows® 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 3.1. 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.

DB2 Performance Expert provides a System Overview interface that displays predefined performance indicators on all instances, on single instances, and at the database level. It also displays recent exceptions. By defining graphical views that display recent and current activity, you can extend the System Overview panels to your specific workload.

DB2 Performance Expert provides important detailed monitoring and analysis information. By using DB2 Performance Expert, DBAs can get a detailed analysis of system performance based not only on data from DB2 but 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 identify resource shortages and exceptional conditions in DB2 and the underlying operating system, 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.*
- *Full information about each data partition.*

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.

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.

An integrated workload management tooling solution

DB2 Performance Expert complements the DB2 workload management (WLM) features by providing effective monitoring of WLM entities, statistics, and activities over time to validate WLM definitions. By using DB2 Performance Expert with the DB2 9.5 WLM feature, you can:

- *Monitor service classes, workloads, and work classes.*
- *Obtain sophisticated usage statistics and definitions.*

- *View real-time data and historical data.*
- *Understand workload at a point in time.*
- *Understand workload patterns and long-term development issues.*
- *Derive effective service classes and thresholds.*
- *Perform workload analysis for workload profiling and accounting.*

Simplified configuration and improved maintainability

DB2 Performance Expert V3.1 has been enhanced so that each DB2 Performance Expert Server now contains only a single performance database that contains data for all of your monitored instances and databases. This single database model simplifies configuration, improves maintainability, and increases scalability.

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. You can:

- *Collect snapshot and event monitor data and generate reports by using the performance data that is saved.*
- *Use the saved DB2 performance data to conduct further investigation and trend analysis.*
- *Flexibly analyze and forecast long-term performance information and trends in graphical format right in the context of a certain performance area. You can display it by day, week, month, three-month, or year intervals.*

The Performance Warehouse lets you quickly and easily identify performance bottlenecks and other potential issues. You can use queries or Rules of Thumb that are predefined, or you can define your own.

Extending capabilities to enterprise systems

As usual, DB2 Performance Expert for Multiplatforms provides day-one support for the latest versions of DB2, including DB2 9.5 databases. New DB2 9.5 snapshot counters and configuration parameters are collected by the DB2 Performance Expert Server and are available in all of the DB2 Performance Expert components, such as the online and history monitoring, the Performance Warehouse, and Exception Processing. DB2 Performance Expert supports DB2 V8 and DB2 9 on Linux, UNIX and Windows. Because the tool requires only one "data collector" server per DB2 network, it is easy 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 3.1: D512GLL

DB2 Performance Expert for Workgroups, Version 3.1: D52A5LL

DB2 Performance Expert is available as part of the DB2 Performance Optimization Feature: D5907LL



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