

Bind ImpactExpert® for DB2 z/os

TAKE CONTROL.

Eliminates the risk associated with REBINDs and BINDs

Analyze access path changes prior DB2 version migration

Suppress REBINDs that would degrade performance

Pinpoint poor performing SQL statements

Improve application performance

Optimizes QA processes

Bind ImpactExpert (BIX) is a complete solution to address the BIND and REBIND issues of everyday processing. It consists of components that assure good performing access paths resulting from binds and rebinds, as well as other components that save CPU resources by avoiding binds and rebinds that are unnecessary. Additionally, with BIX you can easily evaluate the access paths of both dynamic and static SQL.

UNCONTROLLED DB2 REBINDS CAN ADVERSELY AFFECT APPLICATION PERFORMANCE

Rebind without determining the performance impact and run the risk of degrading access paths; never rebind and miss the chance of improvement you paid for.

BINDING IS NOT A CHOICE IN DB2, BUT A FACT. Binding and rebinding can bring application performance advantages if done intelligently—and it can degrade application performance if not managed correctly. Bind ImpactExpert is the only product that can intelligently and automatically manage the bind and rebind processes.

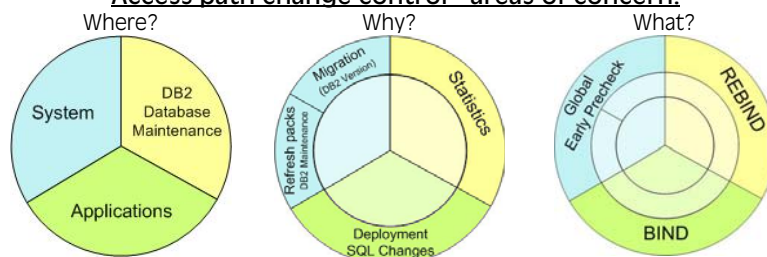
Without BIX, binding and rebinding management is risky manual and time consuming. During a bind or rebind operation, DB2 makes access path choices for all SQL statements—and many times the new access path selected actually degrades the performance of an application. With BIX, you are assured that only access paths that maintain or improve the performance of applications are implemented.

AUTOMATE BIND AND REBIND ANALYSIS

BIX automates the analysis of all DB2 bind and rebind processes, securing performance and saving resources.

Whether changing applications in development, migrating, refreshing packs, or managing daily production statistics, BIX cares for all areas of your DB2 environment.

Access path change control - areas of concern:



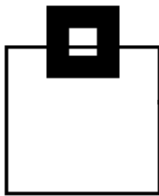
BIX manages access path changes automatically by suppressing REBINDs that will degrade performance and highlighting BINDs for a changed application that might impact the performance. With BIX, your DBA staffs is empowered to work smarter—saving time, increasing productivity and maximizing the use of the shrinking batch window.

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FEATURES

Processes all types of REBIND or BIND package statements

Reduces locks on the DB2 catalog by eliminating unnecessary rebinds, which account for a large percentage of all REBINDS

Logs and displays all activities in an easy-to-use ISPF online interface

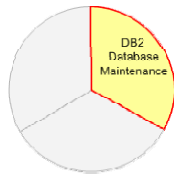
Uses customizable weight system to compare access path types

Runs standalone to process packages and entire collections

Integrates into existing infrastructure and maintenance procedures

Assists with DB2 version migrations

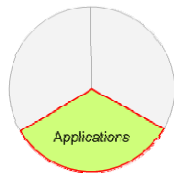
Secures the exploitation of DB2 V8 and 9



Automatically identifies and intercepts rebind statements that will degrade performance— Conditions in the DB2 environment and DB2 access paths change. **DB2** seamlessly integrates into your existing maintenance process to evaluate potential access paths improvements after refreshed statistics.

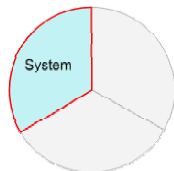
If **DB2** discovers that an access path will change to one that is inferior to the original access path, it automatically suppresses the rebind statement, ensuring consistent or improved application performance.

Eliminates unnecessary rebinds — Experience indicates that 75%-90% of all rebind activity results in no changes to access paths. Further, mass rebinds waste resources and lock the DB2 catalog during the rebind process. Bind ImpactExpert provides automatic rebind control, allowing only those rebinds that are guaranteed to improve access paths. Locks on the catalog are eliminated along with the unnecessary rebinds.



Automates quality assurance during the handover of changed applications — Binding is generally not a choice, but a fact. Unfortunately, the DBA usually has little or no idea what SQL changes were made within the applications that must be bound.

Implemented into your quality assurance procedures for the handover of changed applications, **DB2** automatically pinpoints any SQL changes. Integration into change management solutions like Serena ChangeMan allows streamlining QA work and reducing time-to-market. Full batch reporting provides all data for audit purpose.



Quickly identifies why an access path might degrade performance — Easily investigate and correct problem SQL statements and prevent implementation of any degraded access paths without searching through stacks of SQL coding.

DB2 automatically pinpoints the potentially problematic SQL statements within packages and plans. Using its highly intuitive ISPF interface, the DBA can easily drill down into individual access paths. Using the interface to SQL PerformanceExpert, you can check customizable rule violations and get recommendations for improving the SQL coding. Multiple rule sets aid develops as well as DBAs or QA staff.

Secure the exploitation of new DB2 versions — With the vast number of optimizer changes in new DB2 versions, IBM recommends global rebinds, which can affect thousands of packages and plans. **DB2** makes checking these packages and plans easy and automatic, generating the rebind statements needed for migration and assuring that application performance is not adversely affected.

Exploit enhancements you already paid for – securely with **DB2**

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