

Bind ImpactExpert® for Db2 z/os

Secures BINDs and REBINDs

Eliminate the risk associated with REBINDs and BINDs

Analyze access path changes prior to Db2 version and FL (Function Level) migration

Suppress REBINDs that would degrade performance

Pinpoint poor performing SQL statements

Improve application performance

Optimize QA processes

Protect the dynamic statement cache from invalidation

Predict the RUNSTATS that improve dynamic SQL statement performance

Empower the DBA with Access Path Restore for the dynamic & static statement cache (RUNSTATS RESCUE)

Compares access path between PACKAGE COPY "current", "original", and "previous"

BIX Environment Simulation supports access path comparisons on the basis of different CPUs, RIDs, sort pools, max data cache, and buffer pools.

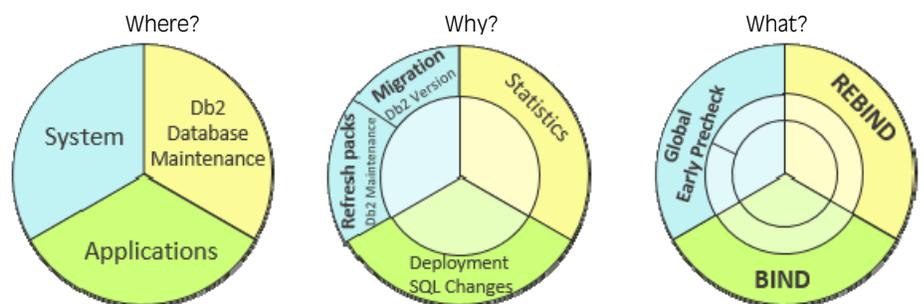
Bind ImpactExpert (BIX) is a complete solution to address the BIND and REBIND issues of everyday processing. It consists of components that assure good performing access paths resulting from BINDs and REBINDs, as well as other components that save CPU resources by avoiding those that are unnecessary. With BIX, you can easily evaluate the access paths of dynamic SQL and protect the dynamic statement cache. BIX can also simulate an environment and determine the access paths that would result from switching CPUs or adapting ZPARM/buffer pool definitions.

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. BIX is the only product that intelligently and automatically manages both 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.

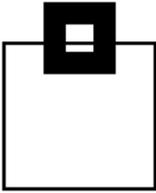
AUTOMATE BIND AND REBIND ANALYSIS — BIX automates the analysis of all Db2 BIND and REBIND processes, securing performance and saving resources. BIX manages access path changes automatically by suppressing REBINDs that will degrade performance and highlighting BINDs for a changed application that might impact the performance. With BIX, the DBA staff is empowered to work smarter— saving time, increasing productivity, and maximizing the use of the shrinking batch window.

ACCESS PATH CHANGE CONTROL - AREAS OF CONCERN:



Whether changing applications in development, migrating, RSUs, or managing daily production statistics,

Bind ImpactExpert cares for all areas of your Db2 environment.



DYNAMIC AND STATIC SQL ACCESS PATHS CONTROL

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 type

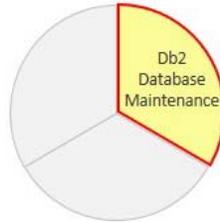
Runs standalone to process packages and entire collections

Integrates into existing infrastructure and maintenance procedures

Pre-screens Db2 version migrations and RSUs for dynamic and static SQL

Secures the exploitation of Db2 11 and 12 plus FL changes

Supports DSN_VIRTUAL_INDEXES, allowing you to drop or create indexes to see the affect on the access paths



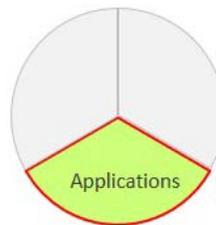
AUTOMATICALLY IDENTIFIES AND INTERCEPTS REBIND STATEMENTS THAT WILL DEGRADE PERFORMANCE —

Conditions in the Db2 environment and Db2 access paths change. BIX seamlessly integrates into your existing maintenance process to evaluate potential access paths improvements after refreshed statistics.

suppresses the REBIND statement, ensuring consistent or improved application performance.

If BIX discovers that an access path will change to one that is inferior to the original access path, it automatically

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. BIX provides automatic REBIND control, allowing only those REBINDs that are guaranteed to improve access paths. Locks on the catalog are greatly reduced and the unnecessary REBINDs are eliminated.



AUTOMATES QUALITY ASSURANCE DURING THE HAND-OVER 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, BIX 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 purposes.

QUICKLY IDENTIFIES WHY AN ACCESS PATH MIGHT DEGRADE PERFORMANCE —

Easily investigate and correct problem SQL statements and prevent implementation of any degraded access paths BIX automatically pinpoints the potentially problematic SQL statements within packages and plans, and also predicts RUNSTATS that will improve dynamic SQL performance.

Using its highly intuitive ISPF interface, you 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 AND CPU UPGRADES —

With the vast number of optimizer changes in new Db2 versions, IBM recommends global REBINDs, which can affect thousands of packages and plans. BIX 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. Just as easily, you can simulate CPU environments and determine access paths resulting from different CPUs and environmental data.

Exploit the Db2 enhancements you've already paid for - securely - with BIX.

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