

CA Bind Analyzer™ for DB2 for z/OS



At a Glance

CA Bind Analyzer™ for DB2 for z/OS (CA Bind Analyzer) helps you reduce resource contention during the bind process and coordinates successful application preparation by determining if a program being recompiled has any SQL changes.

Key Benefits/Results

- **Bind elimination.** Package binds are only necessary when significant SQL changes are encountered.
- **Access Path stability.** Applications can retain critical, well-tuned access paths.
- **Reduced catalog contention and clutter.** Resource contention is avoided and the catalog is not littered with excess package versions.

Key Features

- **Build:** Enhances applications' build JCL by detecting when a significant DBRM change has occurred, generating bind cards and performing the bind. The previous DBRM is restored when a build error has occurred.
 - Uses the IBM DB2 precompiler. The comparison result can be tested directly using the JCL condition code.
 - The DB2 Coprocessor is supported.
- **Facilities:** Provides capabilities to report DBRM differences and rebuild DBRMs.
 - **DBRM Compare Reports** identify differences between a DBRM library and the catalog as well as between two DBRM libraries.
 - **DBRM rebuild** recreates a lost DBRM from the catalog.
 - **Bind Cards** can be created for new DBRMs automatically using an existing package as a template.
- **Reports:** Help you understand your DBRMs and the impact changes have on your DB2 environment.

Business Challenges

Frequent building of DB2 applications can increase DB2 Catalog contention, can clutter the DB2 Catalog with excess package versions and can destabilize DB2 access paths. All this can occur even when applying simple changes to the application source program that do not even involve SQL changes. By eliminating unnecessary DB2 BINDs these problems can be avoided.

Solution Overview

CA Bind Analyzer extends the IBM DB2 Precompiler and Coprocessor functionality by comparing the current to the prior DBRM during the build process to detect when significant SQL changes have occurred. The product can be integrated into your application build JCL or process, and can identify the SQL changes that have been encountered during the current build.

CA Bind Analyzer DBRM comparison results can be tested using the JCL condition code in order to optimize the build process. The product restores the DBRM to its value prior to the current build when an application build error has occurred. Once the application build errors have been corrected and the build is repeated, DBRM changes can once again be detected. This avoids redundant and missed binds when one or more application build errors have been encountered prior to the application being successfully built.

CA Bind Analyzer can generate BIND cards and perform the BIND at the end of a successful build.

Critical Differentiators

CA Bind Analyzer interfaces seamlessly with CA Plan Analyzer to improve your productivity and provide additional information. Using the interface to CA Plan Analyzer, you can compare and report on the differences between versions of DBRMs down to the access path level, generate CA Plan Analyzer Enhanced Explain statements, and perform Enhanced Explain processing during the build process. A CA Plan Analyzer license is required for these additional capabilities.

Related Products/Solutions

- **CA Database Management for DB2 for z/OS** provides power and flexibility to provide for optimal performance, efficient database administration and reliable backup and recovery.

For more information, please visit [ca.com/db2](https://www.ca.com/db2)

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