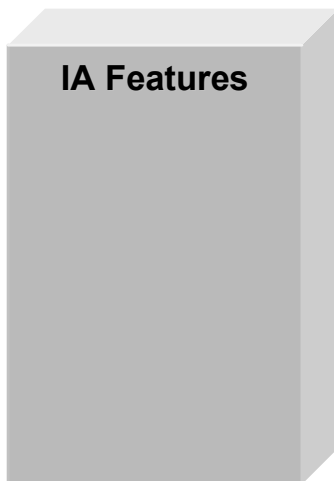


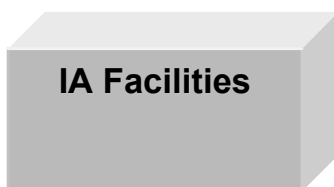


DB/IQ IA+ Index Administrator

one of the most important factors in DB2 application performance is the index design. Poor index usage can ruin the application's performance. Deciding which columns need indexing, and the order of concatenated keys is a difficult task for the DBA - solve many of these problems with IA.



- ✓ Extracts and scans SQL to build a unique Repository DB, collecting column-level SQL references by analyzing SQL. The DB2 Catalog does not identify which columns are accessed and how they are referenced.
- ✓ Analyzes existent applications one at a time or grouped on target tables and dependencies.
- ✓ Analyzes existent indexes with more than 25 optional reports
- ✓ Analyzes application access via the Repository DB
- ✓ Identifies potential candidates automatically
- ✓ Compares the impact of new or virtual indexes on a table. Differences are immediately recognizable and will show which applications profit most and if any deteriorate from the new index.
- ✓ Can influence Impact Analysis with QA's run time execution frequencies
- ✓ Available for DB2 v7, v8 and v9. Supports – MQTs, Common Table Expressions, UNICODE, long names etc.



- ✓ Query the Repository database in a Query-By-Example manner provides a quick reference between applications and specific resources and vice-versa.. Object usage can be made transparent, even tracking down the programs updating or selecting certain columns is now an easy task.
- ✓ Full support of "Virtual Indexes"



- ✓ Examine all SQL related to a single table, whether part of a workload analysis with captured SQL and real execution frequencies or non-executed SQL originating from an application that runs once a week for several hours. This could involve thousands of SQL statements. Administration and development teams lack the specific information to make such critical decisions. IA will assist you !
- ✓ Clean up the DB2 Catalog by discarding non-required indexes, "same" indexes or similar indexes with overlapping index key columns.