EarlyPrecheck

Continuous Delivery support for Version Next – Be Prepared

Categories:

- Database Administration
- Application Development
- IT Management All analytics

Prerequisite:

Db2 on z/OS

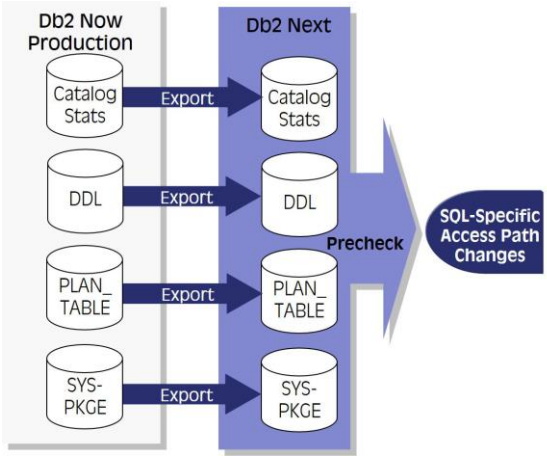
Db2 Level Checking for CD: Function Level, Catalog Level, Code level

EarlyPrecheck predicts the Continuous Delivery impact on application performance before any damage is done. It precisely determines any access path implications before any REBIND or PREPARE actually takes place. Whether running at the Functional Level, Catalog Level or Code Level you can be sure that access paths are not a cause for concern.

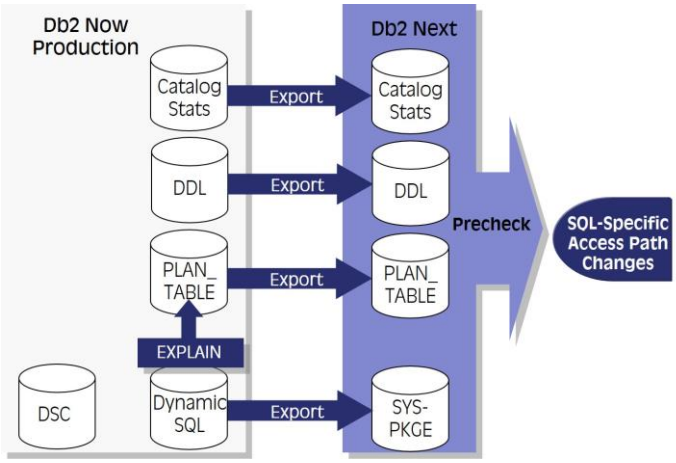
To realize SQL performance improvements with a new Optimizer or with a new Function Level, Catalog Level or Code Level, and to increase CPU savings, IBM strongly recommends a global REBIND of your most important applications. Yet, it is commonly know that global REBINDs come with risk.

The EarlyPrecheck feature evaluates your Db2 applications and pinpoints potential performance degradations in static and dynamic SQL; predicting the access path changes that will occur in a new Db2 version. To make optimization easy, each type of access path change at the statement level is rated.

Using a customizable rule set, all access path changes are categorized, e.g., improved or degraded. Db2 version-specific rules also categorize the expected access path changes resulting from the new Optimizer decisions. This drastically reduces manual effort for further investigation.



How Static SQL Precheck works



How Dynamic SQL Precheck works

Allowing to simulate your production environment on a QA system in NFM *prior* to actual migration gives you the earliest opportunity to identify tuning candidates, and all of this in a one day consulting project.

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