

CA Fast Check® for DB2 for z/OS



At a Glance

CA Fast Check® for DB2 for z/OS (CA Fast Check) is a comprehensive utility that helps you monitor and control the consistency of your DB2 databases. This product helps keep your databases running smoothly and helps reduce downtime.

Key Benefits/Results

- **Superior performance.** Provides high-speed validation of DB2 data consistency.
- **Simplified data integrity.** Simplifies data integrity checking by providing predefined check levels.
- **Application RI checking.** Checks user-defined RI as well as DB2-managed RI.

Key Features

- **Integrity checking.** Performs basic validation (e.g. IBM Check utilities) and provides additional integrity checks such as DB2-managed RI checks, LOB verification and validation of internal object structures.
- **Increased performance.** Increases integrity checking performance with unique mechanisms such as parallelism, intelligent sort and I/O processing techniques.
- **Simplified usage.** Provides several usability features to simplify data integrity checking, such as ISPF interface, predefined check levels and the ability to define object groups.
- **Close integration with other CA products.** Performs automatic checks during the process of running CA Fast Load for DB2 for z/OS or CA Fast Recover for DB2 for z/OS.

Business Challenges

Database inconsistencies caused by referential integrity (RI) violations and inaccurate indexes can cripple response times and lead to errors and malfunctions. To help your applications run smoothly, you need a solution that can identify database inconsistencies quickly, efficiently and effectively.

Solution Overview

CA Fast Check is a comprehensive utility for monitoring and controlling the consistency of DB2 databases. It can perform the CHECK DATA, CHECK LOB and CHECK INDEX functions of the IBM CHECK utility and also the CHECK function of IBM DSN1COPY. CA Fast Check also provides.

Integrity checking

- **DB2-managed application RI checking.** Validates user-defined RI and DB2-managed RI
- **Corrections to integrity violations.** Writes rows that are in error to an exception table and produces control statements and data to correct them
- **Index integrity validation.** Locates and reports inconsistencies such as index entries that reference missing or corrupted data, and incorrect RID values
- **Internal integrity checking.** Validates the internal structures of DB2 objects
- **LOB verification and error correction.** Verifies and validates the relationship between a LOB auxiliary table and its primary index. Assists you in correcting LOB errors, using standard SQL.

Critical Differentiators

CA Fast Check uses unique patented mechanisms to increase integrity-checking performance and also provides several features that simplify its usage.

▪ Increased performance

- **Data space usage.** Holds intermediate data in data spaces rather than work files
- **Media manager access.** Provides high-performance I/O processing
- **Parallel partitions.** Permits user-defined levels of parallelism for partitioned objects.
- **Direct sort.** Passes keys directly to the sort package (no SORT call via a temporary work file)

▪ Usability features

- **Exception tables.** Lets you create predefined exception tables for error processing
- **Tablespace sets.** Groups tablespaces in one job step
- **Online interface.** Assists with CA Fast Check job generation
- **IBM syntax compatibility.** Accepts the same syntax as the IBM CHECK utilities
- **Choice of level of integrity checking.** Provides multiple levels of integrity checking (e.g. RI, index consistency and page validity).
- **Error Correction.** Generates SQL scripts to correct the integrity errors that are found

Related Products/Solutions

CA Fast Check® integrates with these CA technologies products.

- **CA Fast Load for DB2 for z/OS.** Calls CA Fast Check to check each row of table data
- **CA Fast Recover™ for DB2 for z/OS.** Calls CA Fast Check to check recovered tablespaces
- **CA Value Pack for DB2 for z/OS.** Lets you view and modify RI relationships
- **CA Chorus™ Software Manager (CA CSM).** Aids the installation and maintenance of CA Fast Check

For more information, please visit ca.com/db2

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